

(सामान्य सूचना : दरेक प्रश्नपत्रमां ५० टका आंतरिक वैकल्पिक प्रश्नो पूछवामां आवशे.)

प्रश्नपत्र ३ : (मुप्य अने गौण)

- (क) विकमोर्वशीयम् : कालिदास
(ख) शिवमहिम्न (संपूर्ण) : पुष्पदन्त
(ग) वाक्यरचना (कृ, लू, अस्)

Units : I विकमोर्वशीयम् : अनुवाद अने संदर्भ

II कवि परिचय, विकमोर्वशीयम् साहित्य स्वरूप, आधारस्थानो अने नाट्योचित परिवर्तन

III उक्त नाटकनी पात्रसृष्टि, रसदर्शन, शैली वगैरे साहित्यिक मूल्यांकन

IV शिवमहिम्नमांथी मात्र पूर्वापर संदर्भ (अनुवाद विना)

V परस्मैपदी कृ, लू, अस् धातुना ह्यस्तन भूतकालनां क्रियापदानां त्रण पदवाणां वाक्योनी रचना.

प्रश्नपत्र ४ : (मुप्य अने गौण)

(क) मम्मटनो काव्यप्रकाश (१ अने १०मांथी नीयेना अलंकारो) :

१. उपमा, (भेद सिवाय)	८. अप्रस्तुत प्रशंसा	१५. विभावना
२. उत्प्रेक्षा	९. अतिशयोक्ति	१६. विशेषोक्ति
३. रूपक	१०. दृष्टांत	१७. अर्थान्तरन्यास
४. अपह्युति	११. प्रतिवस्तुपमा	१८. व्याजस्तुति
५. श्लेष	१२. दीपक	१९. भीषित
६. समासोक्ति	१३. तुल्ययोगिता	२०. सामान्य
७. निदर्शना	१४. व्यतिरेक	२१. काव्यद्विग

(ख) तथा साहित्यदर्पण-परिच्छेद-५ (कारिका १ थी ८१ अने ११५ थी १२१).

(नोंध : प्रश्नपत्र ४ना अलंकार ओणभवाना प्रश्नमां अब्यासकममांथी काव्यप्रकाश (१०)ना ज श्लोको पूछाशे.)

Units : I काव्यशास्त्रनी विचार परंपरानो (टूंक) परिचय, ग्रन्थकर्तृत्व, विद्वत्ता, काव्यनां प्रयोजन, हेतु, लक्षण, कविनी सृष्टि, काव्यप्रकार.

II काव्यप्रकाश उल्लास १ अने १० (नियत अंश)ना संदर्भ.

III साहित्य दर्पण परि-५, १ थी ५३ कारिकाओ.

IV साहित्य दर्पण परि. ५, (५४ थी ८१ अने ११५ थी १२१)

V (१) अलंकार (नियत) लक्षण, उदाहरण, प्रकार

(२) अलंकार : साम्य अने भेद

(३) अलंकारनी ओणभ (उल्लास-१०मांथी ज)

प्रश्नपत्र ५ : वेद अने वैदिक साहित्यनो अब्यासकम (केवण 'मुप्य विषय संस्कृत' राप्पनार माटे)

(क) ऋग्वेदनां नीयेनां दस सूक्तो अब्यासकममां नियत कर्या छे :

१. अग्निसूक्त (ऋग्वेद १-१)	५. त्रिभुक्त (१०-११७)
२. छन्दसूक्त (१-३२)	७. अक्षसूक्त (१०-३४)
३. विश्वामित्र नदी संवादसूक्त (३-३३)	८. पुरुषसूक्त (१०-८०)
४. उपसूक्त (५-८०)	९. वागाभ्युषीय (१०-१२५)
५. हिरण्यगर्भ सूक्त (१०-१२१)	१०. संज्ञान सूक्त (१०-१८१)

(ख) कठोपनिषद् द्वितीयोऽध्याय

(ग) वैदिक साहित्यना षट्तिहासनो परिचय, यार वेद तथा उपनिषदो

Units : I ऋग्वेदनां नियत दस सूक्तोनु अनुवाद अने समजूती

II वैदिक व्याकरण : १. पदपाठ, २. स्वरांकन, ३. छन्द, ४. वैदिक संकेतार्थ, ५. रूप ओणभावो

III नियत सूक्तोनु रसदर्शन, देवता परिचय

IV (૧) કઠોપનિષદ્ (અનુવાદ અને સમજૂતી)

(૨) ઉપનિષદોનો પરિચય અને કંઠમાંથી પ્રાપ્ત થતી દાર્શનિક વિચારધારા

V (૧) ચારેય વેદોનો ગ્રન્થ તરીકે પરિચય અને પ્રતિપાદ્ય વિષય, સમય, ધર્મ સમાજ

(૨) ઉપનિષદોનો પરિચય અને ઉપનિષદ્દનું તત્ત્વજ્ઞાન. (ઈશ, કેન, પ્રશ્ન, મુંડક એ ચાર ઉપનિષદોની પ્રાથમિક વિગતોને લગતાં હેતુલક્ષી પ્રશ્નો પૂછવા.)

ભલામણ કરેલાં પુસ્તકો

૧. “હિસ્ટરી ઓફ ઇન્ડિયન લિટરેચર” (વોલ્યુમ ૧) : વિન્ટરનિલ્સ

૨. “વૈદિક સાહિત્ય” : બલદેવ ઉપાધ્યાય

૩. સંસ્કૃત સાહિત્યનો ઇતિહાસ (મેકડોનલ), અનુ. મો. મા. દવે, સુરત.

૪. “વૈદિક સાહિત્યનો પરિચય” : ગૌતમ પટેલ.

પ્રશ્નપત્ર ૭ : (દ્વિતીય વર્ષ બી.એ. સંસ્કૃત, બીજા ગૌણ વિષયના પ્રશ્નપત્ર ૭નો અભ્યાસક્રમ)

૧. પ્રશિષ્ટ સંસ્કૃત મહાકાવ્યમાંથી કોઈ એકના પાંચથી સાત સર્ગો.

(નોંધ : પાઠ્યપુસ્તકમાંથી અનુવાદ તથા સંદર્ભ, તેમજ શબ્દ પરની વિવરણાત્મક નોંધના પ્રશ્નો અપેક્ષિત નથી.)

પ્રશ્નપત્ર ૭ માટેનાં પાઠ્યપુસ્તકો (સંસ્કૃત અધિક ગૌણ)

૧. કાલિદાસનું રઘુવંશ (૧થી ૭ સર્ગો) જેમાં અનુવાદ, પૂર્વાપર સંદર્ભ કે શબ્દાર્થના ટિપ્પણના પ્રશ્નો પરીક્ષામાં અપેક્ષિત નથી.

૨. હિતોપદેશમાંથી મિત્રલાભ :

Units : I હિતોપદેશ (મિત્રલાભ) અનુવાદ અને સંદર્ભ

II હિતોપદેશ કથાબોધ, કથા પ્રકાર, ઉદ્ગમ, સ્વરૂપ

III રઘુવંશ—મહાકાવ્ય તરીકે, મહાકાવ્યનાં લક્ષણો, મૂલ્યાંકન આધારસ્થાન અને ફેરફાર

IV કાલિદાસ—જીવન, સમય અને કૃતિઓ

V રઘુવંશની વસ્તુસંકલના, પાત્રસૃષ્ટિ, શૈલી વગેરે.

ARABIC (2012) EXAMINATION

PAPER III :Al Hamasa (Babul Adab) (Poetry)

Unit I : (1) Kinds of Ilmul Adab.

(2) Reasons of writing Diwam-e-Hamasa

(3) Introduction about author of Hamasa

(4) Subject-Metter of book.

Unit II : (1) Development of Hamasa writing

(2) Prominent Hamasa writer

(3) Literary activities of the environment of the period.

Unit III : Reproduction and prosody & Rhetoric's.

Unit IV : Translation of the (unseen).

Unit V : Translation and explanation. (Text)

(1) From the beginning upto Al Darami Ayas bin Qaeef.

(2) Abbas bin Mirdas to Rabia bin Maqroom.

(3) Upto Arvah bin Anward

(4) Upto Rajol min Alfazaraeen

(5) Upto Yarbad bin al-Hakam

(6) Upto the end.

Paper IV : MANTURAT MIN ADABIL ARAB, BY Mohammed Rabe Naqwi.

Following Lessons :

- KALMAT NUSHA LIL MUSLEMEEN
- ADUWWAN YUSALEMAN
- ABU HANIFA AN NUAMAN
- BAGHDAD
- SA'AT MAALFUZAYL
- AKHIR-O-MAQTULIL HUJJAJ
- TADBIR-I-HARB I & II

Unit I : (1) General and critical question
(2) Brief life sketch of.
(1) Shah Waliullah Dehlvi
(2) Ibnul Muqaffa
(3) Qazi Ibnul Khalkan
(4) Al Bustani
(5) Ibn-I-Jozi.

Unit II : Textual question about prescribed lessons of the text.

Unit III : Reproduction on the topics, related to the lessons of the Text-book.

Unit IV : Translation of the (unseen Prose Passage.

Unit V : Translation Paragraph. (Textual)
(1) Lesson 1 & 2, Page No. 51 to 56
(2) Lesson 3 Page No. 74 to 80
(3) Lesson 4 & 5, Page No. 111 to 120
(4) Lesson 6 & 7, Page No. 143 to 146 and 150 to 152

Paper V

- (a) Development of : Al Ulumush Sharaiya In Umayyid & Abbasids Periods
- (b) Translation of unseen Arabic prose & poetry into language of medium
- (c) Translation into Arabic of prose passage.

Units

Units I : (1) Development of Ilumush Shriyah in Umaiya Period.
(2) Development of Islumush Shariyah in Abbasi Period
(3) Eminent "Ulma wa Fuzla" (Islamic Scholars). in Umaiya period.

Unit II : (1) Eminent Islamic scholars in abbasi Period
(2) Salient feature of Ilm-I-Fiqah
(3) Poets & Writers of Umaiya period.

Unit III : (1) Eminent Poets and Writers of the age of Abbasids Period.
(2) Establishment of the Abbasids Dynaoty
(3) Salient feature of Ilm-I-Tafseer
(4) Ilm-I-Hadeeth & Prominent Muhaddiseen.

Unit IV : Translation of (unseen) prose Passage and verses in to Arabic.

Unit V : Translation of (unseen) Arabic prose passage and verses in to the language of the medium.

SYBA (Ext) 15
PERSIAN (2012) EXAMINATION
Paper III (Poetry)
(PRINCIPAL / SUBSIDIARY)
“Qatat-e-Ibn-e-Yameen” (1 to 25)
UNITS

Unit I :

- ✦ General Questions
 - Life of Ibn-e-Yameen
 - Different kinds of Persian poetry
 - Qita-its development & Origin
 - Evaluate Ibn-e-yameen as a poet.

Unit II :

- ✦ General Questions
 - Literary & ethical importance of ibn-e-yameen’s Qatat.
 - Style & peculiarities of Ibn-e-Yaman’s literary works.
 - Patronage of Ibn-e-Yameen
 - Subject-matter of “Qatat-e-Ibn-e-Yameen”

Unit III :

- ✦ Translation o & Explanation :-
 - Qita No. 1 to 6
 - Qita No. 7 to 12
 - Qita No. 13 to 19
 - Qita No. 20 to 25

Unit IV : Grammer

- ✦ **Figure of speech**
 - Tasbih, Trado-Aks, Talmeeh, Laffo Nashr
- ✦ **Scantion**
 - Meters
 - Behr-e-Hizaj Mussamman Salim,
 - Mudar-e-Musamman Akhrab,
 - Behri-e-Rajaz Musamma Salim
- ✦ **Annotations-**
 - Related to the ‘Qatat’

Unit V :

- Objective Type Questions related to the syllabus of the prescribed paper.

BOOKS RECOMMENDED

- (1) Tarikah :- Adabiyat-e-Iran by Zabiullah Shafa
- (2) Tarikah :- Adabiyat-e-Iran by Raza Zada Shafaque
- (3) History of Persian Literature by Dr. N.H.Ansari
- (4) G E hist. of Persia by E.G. Brown
- (5) Shearul Ajam by Maulana Shibli
- (6) Sheraro Adab-e-Farsi by Mautam
- (7) Post Revolution persian verses by Minubur Rehman.

SYBA (Ext) 16
PAPER - IV (PRINCIPAL/SUBSIDIARY)

Gulistane-e-Sa'di (Prose)
Chapter - III Dar Fazilat-e-Qana't
Chapter VIII Dar Tasir-e-Tarbiyat

Unit I :

- ✦ General Questions
 - Life of Shaikh Sadi
 - Literary works of Shaikh Sa'di Shirazee
 - Kinds of Persian prose
 - Literary & Ethical importance of "Gulistan-E-Sadi"

Unit II :

- Brief history of ethical literature
- The political condition of the age of Shaikh Sadi
- Literary condition of the age of Shaikh Sadi Shirazee
- Evaluation of "Gulistan-E-Sadi"

Unit III :

- ✦ Translation & Explanation
 - Chapter III : "Der Fazilat-e-Qanat"
 - Chapter - VII : "Der Tasir-e-Tarbiyat"

Unit IV :

- ✦ Reference to context-related to the chapters
- ✦ **Annotations**
Topics related the chapters.

Unit V :

- Objective Type questions related to the syllabus of the prescribed paper.

PAPER V

- (A) Form of Literature Mathnawi,
- (B) Precis writing of the given persian passages and verses
- (C) Comprehension of Persian Passage

Unit I :

- Origin and Development of persian Mathnawi
- Kinds of persian Mathnawi
- Eminent Mathnawi writer

Unit II : Introductory

- Mathnawi-e-Manvi
- Khamsa of Nizami Ganjawi
- Haft Orang of Jami

Unit III :

- Precis writing of persian pasage & Verses

Unit IV :

- Comprehension of Persian passage

Unit V :

- Objective Question about Mathnavi & Mathnavi writer

Books for Reference

- (1) Tarikh-e-Adabiyat-e-Iran by Zabihullah Shafa
- (2) Tarikh-e-Adabiyat-Iran by Dr.Raza Zada Shafaque
- (3) Hist.of Persian Literature by Dr.N.H.Ansari
- (4) A literary list of Persian by E.G. Brown
- (5) Shearu Ajam by Moulana Shibli
- (6) Shao Adab-e-Farsi
- (7) Hayat-e-Jami by Aslam Jairajpuri.

SYBA (Ext) 17
Paper VII : (Second subsidiary)

- (1) Indian patronage to Persian language & Literature
- (2) Modern Persian Literature

Unit I :

- Development of Persian language in Mughal period
- Love and Attraction of Non Muslims Towards Persian language
- Development of Persian language & literature in India

Unit II :

- Translation activities of Akbar's Regime
- Encouragement of Muslims Emperor Towards Persian Literature
- History writing in Mughal period

Unit III :

- Origin and Development of Modern Persian
- Eminent Modern Persian poets
- Modern Persian prose

Unit IV :

- Difference between Ancient and Modern Persian poetry
- Modern Persian Drama
- Eminent Persian prose writer

Unit V :

- Role of Journalist for the political revolution in Iran.
- Modern Persian Novel
- Men of pen and their contribution in Modern Persian.

Books Recommended

- (1) Bazm-e-jaimuriyah by Saiyed Sabahuddin
- (2) Bazm-e-Mamlukiyah by Saiyed Sabahuddin
- (3) Sherul Ajam by Maulana Shibli
- (4) History of Persia by E.G. Brown
- (5) Modern Persian prose Literature by Kamshad
- (6) Post Revolution Persian verses by Munibur-Rehman
- (7) Sukhan Waran-e-Iran by M. Rehman Ishaque
- (8) Tarikh-e-Mashrufiyat-e-Iran by Saiyed Ahmed Kistravi

COMPULSORY ENGLISH

S.Y.B.A. Stream 'A', 'B' and English Medium

S.Y.B.A Stream "A"

Prose Section :

Text : Varieties of Expression :

Editors : A. H. Tak & Mohammad Aslam Foundation Books.

To be Omitted :

Poetry : From Auguries of Innocence, Ozymandias of Egypt, The Last Ride Together.

Prose : J. C. Bose, The Position of Women in Ancient India.

Drama : The Rising of the Moon, Riders to the Sea, Lithuania.

S.Y.B.A. Stream 'B'

Prose Section :

Text for Prose : Fantasy Published by Orient Longman

[Note : 'Lessons 8 & 10 are to be dropped']

Text for Poetry : The Voices of Eternity, Ed. W. A. Watson, Vikas Pub.

Poems in Course :

- (1) All the World's a Stage
- (2) Sweetest Love
- (3) Ode on Solitude
- (4) The World is too much with us
- (5) Love's Philosophy

S.Y.B.A. English Medium

Prose Section

Text : Six-One Act Plays, Ed. Maurice Stanford orient Longman

Poetry Section :

Text : The Voices of Eternity, Ed. W. A. Watson, Vikas Pub.

Poems in Course :

- (1) All the World's a Stage
- (2) Sweetest Love
- (3) Ode on Solitude
- (4) The World is too much with us
- (5) Love's Philosophy

SECOND YEAR B.A. ENGLISH SPECIAL AND SUBSIDIARY

2009-2010 and until further notice

Paper III History of English Literature (1550-1660)

Units 1-2 : Following topics are prescribed for two questions :

Characteristics of the Elizabethan Age-Drama before Shakespeare-University Wits-Shakespeare-Ben Jonson-Eilzabethan Poetry-Prose during the Eilzabethen Age Jacobean Drama-Milton-Metaphysical Poets.

Units 3-4 : Two texts, illustrative of the major trends of the period, will be prescribed :

Text-1 Hamlet : William Shakespeare

Test-2 Poems by Ben Jonson

Following poems are in the syllabus :

- | | |
|---------------------------------|---------------------------------|
| 1. Aeglamour's Soliloquy | 6. Hymn to the Belly |
| 2. A Fit of Rhyme Against Rhyme | 7. On Lucy, Countess of Bedford |
| 3. The Hour-Glass | 8. On My First Son |
| 4. How He Saw Her | 9. On Poet-Ape |
| 5. Hymn to Cynthia | |

Unit 5 : Acquaintance with the works of writers of this period

This will be an objective type of question in which the students will be asked to write the name of the author, the year of publication, the form of the work and the age (period) to which it belongs :

List of Titles for Acquaintance

1. Apologie for Poesy
2. School for Abuse
3. The Corny-Catching Tracts
4. Advancement of Learning
5. Religio Medici
6. The Shoemaker's Holiday
7. Rosalinde
8. Tamburlaine
9. The Spanish Tragedie
10. The Alchemist
11. Eupheus

12. Shepherd's Calendar
13. Arcadia
14. Astrophel and Stella
15. Heroical Epistles
16. Hero and Leander
17. Venus and Adonais
18. The Anniversary
19. Aeropegetica
20. The Mistress

Recommended Books

1. A Concise Cambridge History of English Literature - George Sampson
2. A concise History of English Literature - Arthur Compton - Rickett
3. A Compendious History of English Literature -R.D. Trivedi
4. History of English Literature - Edward Albert (Fifth Edition)

Paper IV History of English Literature (1660-1798)

Units-1-2. Following topics are prescribed for two questions :

Characteristics of Restoration Age-Restoration Poetry-Restoration Drama-Comedy of Manners-Characteristics of Neo-Classical Age-Growth of the Periodical Essay-Growth and Development of the Novel - 18th Century Drama - Sentimental/Anti - Sentimental Comedy

Units-3-4 :

Two texts, Illustrative of the major trends of the period, will be prescribed.

Text-1 :

Alexander Pope : **The Rape of the Lock :**

Text-2 :

The Way of the World : William Congreve

Unit-5 :

Acquaintance with the works of the writers of this period :

This will be an objective type of question in which the students will be asked to write the name of the author, the year of publication, the form of the work and the Age (period) to which it belongs :

List of Titles for Acquaintance

1. Decline and Fall of the Roman Empire
2. All for Love
3. Absalom and Achitophel
4. She Would if She Could
5. The Plain Dealer
6. The Way of the World
7. Essay on Dramatic Poesy
8. The Pilgrim's Progress
9. Robinson Crusoe
10. Gulliver's Travels
11. Dunciad
12. Beggar's Opera
13. Elegy Written in a Country Churchyard
14. Poems Chiefly in a Scottish Dialect
15. The Deserted Village
16. The Seasons
17. A Tale of a Tub
18. She Stoops to Conquer
19. Tom Jones.
20. Pamela.

SYBA (Ext) 20
Paper V : Literary Criticism
(Only for Special English Students)

Units-1-2 :

- (a) Nature of Criticism and its various functions
Literary critic-his qualities & his role in criticism
- (b) Plato — Theory of Imitation
Aristotle — Tragedy, Imitation
Longinus — Sublimity.
Horace (Art of Poetry)

Unit-3 Figures of Speech : (Any Five)

1. Simile
2. Metaphor
3. Personification
4. Apostrophe
5. Pun
6. Alliteration
7. Onomatopoeia
8. Antithesis
9. Paradox
10. Oxymoron
11. Irony
12. Litotes
13. Climax
14. Anticlimax
15. Hyperbole
16. Transferred Epithet
17. Metonymy
18. Synecdoche
19. Assonance
20. Euphony.

Unit-4 : Acquaintance with literary terms : (Any Three)

Classicism, Realism, Naturalism, Existentialism, Theatre of the Absurd, Medievalism, Post modernism, Feminism, Postcolonialism Multiculturalism.

Unit-5 : Appreciation of a Poem

Recommended Books

1. Making of Literature - R.A. Scott James
2. Dictionary of Literary Terms : Martin Gray, (York Hand books, Longman York Press)
3. Appreciation of Prose and Poetry : Alexander, (Orient Longman)
4. A Glossary of Literary Terms, Abrahms M.H. (Prism Books)

S.Y.B.A. ENGLISH, SECOND SUBSIDIARY, PAPER VII

Unit 1 : Reading : An abridged novel will be prescribed

Text : Charles Dickens : Oliver Twist

Unit 2 : Comprehension : A prose passage of about 400 words will be set. Inferential and interpretative question will be asked.

Unit 3 : Precis Writing : A prose passage of about 350 words will be set for precis writing

Unit 4 : Composition : Writing Letters, Formal Applications, Business Letters, Letters to the Editor etc.

Unit 5 : Translation from English of a small passage of about 200 words in Gujarati or Hindi.

ગુજરાતી

દ્વિતીય વર્ષ બી.એ. (૨૦૧૨)ની પરીક્ષા માટે

પ્રશ્નપત્ર-૩ : નવલિકા સાહિત્ય સ્વરૂપનો અભ્યાસ :

(૧) ગુજરાતી વાર્તા સૃષ્ટિ : બાબુ દાવલપુરા

(૨) તણખા મંડળ ભાગ-૧ ધૂમકેતુ

એકમ ૧ : (અ) સાહિત્યકલામાં સ્વરૂપની વિભાવના

(બ) જે તે સાહિત્ય સ્વરૂપના લક્ષણો

એકમ ૨ : (અ) મુખ્ય સર્જકો અને કૃતિઓ

(બ) ગુજરાતી સાહિત્યમાં તેનો ઉદ્ભવ-વિકાસ

(ક) સામ્રાજ્ય સ્થિતિ

એકમ ૩ : પ્રથમ કૃતિના સામાન્ય પ્રશ્નો

એકમ ૪ : બીજી કૃતિના સામાન્ય પ્રશ્નો

એકમ ૫ : બન્ને કૃતિઓમાંથી ઓબ્જેક્ટીવ પ્રશ્નો પૂછવા.

સંદર્ભ ગ્રંથો :

(૧) ગુજરાતી સાહિત્યનો ઇતિહાસભાગ-૩ થી ૬

(૨) ગુજરાતી સાહિત્ય કોશ ભાગ-૨ અને ૩

(૩) ટૂંકી વાર્તા અને ગુજરાતી ટૂંકી વાર્તા : જયંત કોઠારી

(૪) વાર્તા ગોષ્ઠિ : બાબુ દાવલપુરા.

પ્રશ્નપત્ર-૪ : ગ્રંથકાર : કનૈયાલાલ માણેકલાલ મુનશી

(૧) કાકાની શશી (નાટક)

(૨) ગુજરાતનો નાથ (નવલકથા)

એકમ ૧ : (અ) લેખકનાં જન્મસમયની સાંસ્કૃતિક પરિસ્થિતિ, લેખકનાં વ્યક્તિત્વ ઘડતરના પરિબળો

(બ) લેખકના સમગ્ર સાહિત્યનો પરિચય

(ક) લેખક તરીકે વિશેષતાઓ, લેખકના સાહિત્યિક કાર્યનો પ્રભાવ ઐતિહાસિક અને તાત્વિક દૃષ્ટિએ લેખકના સાહિત્યિક પ્રદાનનું મૂલ્યાંકન (આ પ્રશ્ન ઓબ્જેક્ટીવ સ્વરૂપમાં પૂછવા)

એકમ ૨ : પ્રથમ કૃતિના સામાન્ય પ્રશ્નો

એકમ ૩ : પ્રથમ કૃતિની ટૂંકી નોંધો

એકમ ૪ : દ્વિતીય કૃતિના સામાન્ય પ્રશ્નો

એકમ ૫ : દ્વિતીય કૃતિની ટૂંકી નોંધો.

સંદર્ભ ગ્રંથો :

(૧) ગુજરાતી સાહિત્યનો ઇતિહાસભાગ-૩ થી ૬

(૪) નાટકનું સ્વરૂપ અને વિકાસ

(૨) ગુજરાતી સાહિત્ય કોશ ભાગ-૨ અને ૩

(૫) મુનશી એક અધ્યયન

(૩) ગુજરાતી નવલકથા-૨ ધુવીર ચૌધરી

(૬) ઐતિહાસિક નવલકથા-જયંત વ્યાસ

પ્રશ્નપત્ર-૫ : મધ્યકાલીન ગુજરાતી સાહિત્યનો ઇતિહાસ અને સુધારકયુગ

એકમ : ૧

(અ) મધ્યકાલીન ગુજરાતી સાહિત્યનાં પ્રમુખ લક્ષણો અને પરિબળો

(બ) મધ્યકાલીન સાહિત્યને પ્રેરનારા રાજકીય તેમ જ સાંસ્કૃતિક પરિબળોનો ખ્યાલ

(ક) મધ્યકાલીન સાહિત્યના પ્રમુખ પ્રવાહોનો પરિચય

એકમ : ૨ પ્રાગ્નસિંહ યુગની કૃતિઓ અને સાહિત્યકારો

હેમચંદ્રાચાર્ય : સિદ્ધહેમ દુહા

શાલિભદ્રસૂરિ : ભરતેશ્વર બાહુબલિ રાસ

જિનચંદ્રસૂરિશિષ્યકૃત : જિનચંદ્રસૂરિફાગુ

રાજશેખર કૃત : નેમિનાથ ફાગુ

અજ્ઞાતકૃત : વસંત વિલાસ

જયશેખર કૃત : ત્રિભુવનદીપક પ્રબંધ

અજ્ઞાતકૃત : હંસાઉલી

શ્રીધર કૃત : રણમલ્લ છંદ

એકમ ૩ : નીચેના સર્જકોનો અભ્યાસ

નરસિંહ, મીરાં, ભાલણ, અખો, પ્રેમાનંદ, શામળ અને દયારામ

એકમ ૪ : નીચેના પ્રવાહોનું વિહંગવાલોકન

- ભક્તિબોધની કવિતા

- ભક્તિચરિત્રની કવિતા

- ભાવભક્તિની કવિતા

(અ) ભક્તિપ્રવાહની કવિતાના સર્જકો અને કૃતિઓનો ઉલ્લેખ થાય તે રીતે અભ્યાસ

(બ) જ્ઞાનમાર્ગી કવિતાના પ્રવાહનું દર્શન અને એના કવિઓ અને કર્તાઓનો અભ્યાસ

(ક) આખ્યાનાત્મક કૃતિઓના અને ચરિત્રાત્મક કૃતિઓનો પ્રવાહલક્ષી અભ્યાસ

(ડ) ગદ્યસાહિત્ય અને લોકસાહિત્યનો અભ્યાસ

એકમ ૫ : સુધારક યુગ

(અ) સુધારક યુગ-રાજકીય, સામાજિક અને સાંસ્કૃતિક પરિબળો, સાહિત્યક્ષેત્રે થયેલા નવપ્રસ્થાનો, પ્રદાનો અને નોંધપાત્ર સાહિત્યિક પ્રવૃત્તિઓ

(બ) પદ્ય અને ગદ્યસ્વરૂપોમાં થયેલા નોંધપાત્ર પરિવર્તનો

(ક) દલપતરામ, નર્મદ, નવલરામ, રણછોડભાઈ ઉદયરામ, મહીપતરામ, આદિનો સર્વાંગી અભ્યાસ

(ડ) વેનચરિત, મિથ્યાત્મિમાન, મારી હકીકત, હિન્દુઓની, પડતી, ભટ્ટનું ભોપાળું, લલિતા દુઃખદર્શક, કરણધેલો અને સાસુવહુની લડાઈનો પરિચય

પ્રશ્નપત્ર-૭ : અધિકગૌણ

વ્યથાના વિતક : આંસુ ભીનો ઉજાસ : દિલીપ રાણપુરા

એકમ ૧ : લેખકના જીવન, સમય સમગ્ર સાહિત્યનો પરિચય

એકમ ૨ : કૃતિલક્ષી સામાન્ય પ્રશ્નો

એકમ ૩ : કૃતિલક્ષી ટૂંકી નોંધો

એકમ ૪ : કૃતિલક્ષી ટૂંકા પ્રશ્નો

એકમ ૫ : પૂર્વાપર સંદર્ભના પ્રશ્નો

(નોંધ : આ પ્રશ્નપત્રમાં સ્વરૂપલક્ષી પ્રશ્નો પૂછી શકાશે નહિ)

हिंदी

(वर्ष : २००९-१० से लाजु)

પ્રશ્નપત્ર ૩ : छायावादोत्तर काव्य (मुख्य और गौण विषय के छात्रों के लिए)

પુસ્તક : छायावादोत्तर हिन्दी कविता : संपादक डॉ. आलोक गुप्ता, प्रकाशक, जयभारती प्रकाशन, इलाहाबाद

संकलन के निम्नलिखित आठ कवियों की कविताएँ पाठ्यक्रम में समाहित हैं :

नागार्जन, अज्ञेय, नरेश महेता, भवानीप्रसाद मिश्र, सर्वेश्वर दयाल सक्सेना, घूमिल, उदय प्रकाश, अरुण कमल।

सूचना : उपर्युक्त सात कवियों की कविताओं को केन्द्र में रखकर आलोचनात्मक एवं संक्षिप्त प्रश्न पूछे जाना अपेक्षित है ।

संदर्भ ग्रन्थ :

१. हिन्दी कविता - तीन दशक : डॉ. रामदरश मिश्र ३ व्याख्याएँ
२. अज्ञेय - एक अध्ययन : डॉ. भोलाभाई पटेल २ आलोचनात्मक प्रश्न
३. सप्तककाव्य एवं अज्ञेय : डॉ. रजनीकान्त जोशी २ संक्षिप्त प्रश्न...
४. समकालीन कविता : विश्वनाथप्रसाद तिवारी १५ संक्षिप्त एवं वस्तुनिष्ठ प्रश्न
५. नया काव्य - नये मूल्य : डॉ. ललित शुक्ल
६. छायावादोत्तर हिन्दी गीतिकाव्य : डॉ. सुरेश गौतम
७. धूमिल और परिवर्ती जनवादी कविता : डॉ. श्रीराम त्रिपाठी

प्रश्नपत्र ४ : निबंध एवं अन्य गद्य विधाएँ (मुख्य और गौण विषय के छात्रों के लिए)

१. पुस्तक : रेखाचित्र : महादेवी वर्मा - प्रकाशक : राजपाल एंड सन्स, दिल्ली ।
२. गद्यनिकष : संपादक, प्रेमशंकर मिश्र - प्रकाशक जयभारती प्रकाशन, इलाहाबाद

सूचना : 'रेखाचित्र' की सभी (आठ) रचनाएँ पाठ्यक्रम में हैं ।

'गद्यनिकष' में से शरणदाता (अज्ञेय), दिल्ली में एक मौत (कमलेश्वर), घीसा (महादेवी वर्मा) तथा मान जा मेरे मन (रामेश्वरसिंह कश्यप) - इन चार रचनाओं को छोड़कर शेष सभी ग्यारह रचनाएँ पाठ्यक्रम में हैं ।

संदर्भ ग्रन्थ :

१. महादेवी का गद्य : सूर्य प्रकाश दीक्षित, ३ व्याख्याएँ
राधाकृष्ण प्रकाशन, दिल्ली । २ आलोचनात्मक प्रश्न
२. महादेवी : संपादक इन्द्रनाथ मदान २ संक्षिप्त प्रश्न
राधाकृष्ण प्रकाशन, दिल्ली । १५ संक्षिप्त एवं वस्तुनिष्ठ प्रश्न
३. महादेवी (मूल्यांकन) : डॉ. परमानन्द श्रीवास्तव, लोक भारती प्रकाशन, दिल्ली ।
४. हिन्दी का गद्य साहित्य : डॉ. रामचन्द्र तिवारी, विश्वविद्यालय प्रकाशन, दिल्ली ।
५. हिन्दी साहित्य और संवेदना का विकास : रामस्वरूप चतुर्वेदी ।

प्रश्नपत्र ५ : प्राचीन एवं मध्यकालीन हिन्दी साहित्य का इतिहास (मुख्य विषय के विद्यार्थियों के लिए)

इकाई १ - आदिकाल : पूर्वपीठिका और प्रवृत्तियाँ :

- (क) हिन्दी भाषा : उद्भव और विकास
- (ख) आदिकाल : नामकरण की समस्या, समय निर्धारण ।
- (ग) आदिकाल : परिस्थितियाँ :
[१] राजनीतिक [२] धार्मिक [३] सामाजिक [४] सांस्कृतिक [५] साहित्यिक
- (घ) आदिकाल : प्रवृत्तियाँ :
[१] सिद्ध साहित्य [२] जैन साहित्य [३] नाथ साहित्य [४] रासो साहित्य [५] लौकिक साहित्य

इकाई - २ - भक्तिकाल की पूर्वपीठिका और निर्गुण भक्तिकाव्य :

- (क) भक्तिकाल : परिस्थितियाँ :
[१] राजनीतिक [२] सामाजिक [३] सांस्कृतिक
- (ख) भक्ति - आंदोलन
- (ग) निर्गुण भक्ति का स्वरूप

- (घ) सन्त काव्य : सामान्य प्रवृत्तियाँ
(ङ) हिन्दी प्रेमाख्यान काव्य की प्रवृत्तियाँ

इकाई - ३ - सगुण भक्तिकाव्य :

- (क) वैष्णव भक्ति का उदय
(ख) वैष्णव भक्ति के प्रतिष्ठापक आचार्य
(ग) हिन्दी रामभक्ति काव्य : पूर्वपीठिका और प्रवृत्तियाँ
(घ) हिन्दी कृष्णभक्ति काव्य : पूर्वपीठिका और प्रवृत्तियाँ
(ङ) अष्टछाप

इकाई - ४ - रीतिकाल :

- (क) रीतिकाल : नामकरण
(ख) रीतिकाल : परिस्थितियाँ : [१] राजनीतिक [२] सामाजिक [३] सांस्कृतिक [४] साहित्यिक
(ग) रीतिकाल : प्रवृत्तियों का परिचय
(घ) रीतिबद्ध काव्य
(ङ) रीतिभुक्त काव्य

इकाई - ५ - प्रमुख कृतिकार और कृतियाँ

(अ) प्रमुख कृतिकार :

- (१) अमीर खुसरो (२) विद्यापति (३) कबीर (४) मालिक मुहम्मद जायसी (५) मीराबाई(६) रसखान (७) देव
(८) घनानन्द (९) अखा (१०) दयाराम ।

(आ) प्रमुख कृतियाँ :

- (१) पृथ्वीराज रासो (२) ढोला-मारू रा दूहा (३) चान्दायन (४) रामचरितमानस (५) सूरसागर (६) भक्तमाल
(७) कविप्रिया (८) शिवा बावनी (९) बिहारी -सतसई (१०) प्रवीण सागर ।

संदर्भ ग्रन्थ :

१. हिन्दी साहित्य का सुबोध इतिहास : गुलाब राय ४ आलोचनात्मक प्रश्न
२. हिन्दी साहित्य का इतिहास : रामचन्द्र शुक्ल २ संक्षिप्त प्रश्न
३. हिन्दी साहित्य का इतिहास : सं. डॉ. नगेन्द्र १४ वस्तुनिष्ठ एवं लघूत्तरी प्रश्न
४. गुजरात के हिन्दी गौरव ग्रन्थ : डॉ. अंबाशंकर नागर
५. गुजरात के हिन्दी साहित्य का इतिहास : डॉ. रमणलाल पाठक ।

प्रश्नपत्र ७ : सामान्य हिन्दी (द्वितीय गौण विषय के विद्यार्थियों के लिए)

१. पुस्तक : गद्य फुलवारी : संपादक डॉ. शहाबुद्दीन शेख, डॉ. सुरेशकुमार जैन,
प्रकाशक, राजपाल एन्ड सन्स, दिल्ली ।

सूचना : संकलन में से निम्नांकित रचनाएँ पाठ्यक्रम में हैं ।

- (१) आँसुओं की होली (७) सदाचार का तावीज
(२) ममता (८) एक बड़े अस्पताल के बारे में
(३) आतिथ्य (९) महात्मा गांधी
(४) चीफ की दावत (१०) गपशप
(५) अकेली (११) जमनोत्री की यात्रा
(६) सुभानखी
२. गद्यांश : संक्षेपण (१/३ संक्षेप या प्रश्नोत्तर) । पल्लवन : सुक्ति-सुवाक्य का विचार विस्तार ।

३. शब्दज्ञान (पर्याय विलोम अनेकार्थी)
४. कहावतें-मुहावरे (पाठ्यपुस्तक में प्रयुक्त) एकं वर्तनी शुद्धि ।
 - २ आलोचनात्मक प्रश्न
 - २ संक्षिप्त प्रश्न
 - २ संक्षेपण तथा पल्लवन
 - ६ शब्दज्ञान तथा वर्तनी शुद्धि
 - २ मुहावरे और कहावतें
 - १४ वस्तुनिष्ठ लघुत्तरी प्रश्न

S.Y.B.A. SINDHI Examination - 2011

Paper-III : Poetry :

Books Prescribed :

- (i) “Virhange Khan Poi Jo Sindhi Shair” Ed. by Dr. H. I. Sadarangani
(Only following Poets : Narain shyam, Krishin Rahi, Inder Bhojwani,
Prabha vafa, Harish Vaswani, M. Kamal, Arjan Hasid)
(Published by Sahitya Academi New Delhi).
- (ii) Sindhi Lok Kahaniyoon by Shri Satramdas sayal (First Five Surs)

Paper-IV : Prose Books Prescribed :

- (i) “Guda Gudyun ” (Full Length Drama) By : Lakhmi Khilani
- (ii) “Muhinji Hayatia Ja Sona Ropa Varqa” (Autobiography)
By : Popati Hiranandani

Paper - V : History of Sindhi Literature upto 1947 :

Books Recommended :

- (i) History of Sindhi Literature (English) By : L. H. Ajwani
- (ii) Sindhi Adab Ji Tarikh (Sindhi)-By : L. H. Ajwani To. by Hiro Shewkani
Both Book Published by Sahitya Academi, New Delhi.
- (iii) SINDHI NASUR JI TARIKH-by M. U. Malkani
- (iv) Sindhi Nazam Ji Tarikh—Lilo Ruchandani.

Subsidiary-II : Books Prescribed :

“Choond Sindhi Kahaniyoon Part-II Ed. Krishin Khatwani & Others Published by Sahitya Academi, New Delhi. (First 12 Stories only).

S.Y.B.A. URDU Examination

Paper III (Poetry)

Detailed Study of “Ghazal”

Intikhab-e-Ghazaliyat-e-”Meer” Page No.41 to 56 (Omission Qata’t)

By Molvi Abdul Haque - Anjuman-e-Taraqqi-e-Urdu,

New Delhi

UNITS

Unit I :

- Urdu Ghazal Ibtada aur Irtiqā

- Urdu Ghazal ki Ta'rif aur Haiyat
- Urdu Adab ki chand asnafe sukhan Quasida, Mathnavi, Qatat, Rubaiyat
- Urdu Ghazal ki Ahimiyat aur khususiat

Unit II :

- Meer, Nasab, Khandan, Paidaiesh, Bachpan, Tarbiyat.
- Hyat-e-Meer, Delhi Aur Lakhnav
- Meer ka Daur-e-Janun.
- Ghazaliyat-e-Meer ke Mozuat

Unit III :

- Meer Ke Kalam ki khususiyat
- Meer ke Ham Asar Shoara
- Meer ke Ahad ke siyasi Aur Adabi Halat
- Talamaza-e-Meer

Unit IV :

- Ashar ki Tashri

Unit IV :

- Objective Question

Reference Book

- (1) Ghazaliyat-e-Meer ke Uslubiyat - Shahid parveen
- (2) Urdu Ghazal Goi - Chirag Gorakhpuri
- (3) Meer ki aapbiti- Dr. Nisar Ahmed
- (4) Meer Fun Aur Sakhsiyat - Nazeer Ahmed
- (5) Meer Sanasi - Shakilur Rehman
- (6) Urdu Ghazal men Alamat Nigari - Anis Ashfaque
- (7) Mohammed Taqui Meer - Jameel Jalibi

Paper IV : Form of literature : Drama

- Silver king by Agha Hasar Kashmiri

UNITS

Unit I :

- Drama Ta'rif aur Ajza-e-Tarkibi
- Drama unani (Quadeem) Ibtada-o-Irtiqqa
- Drame ki Qismen (Haiyyat ke Hawale se)
- Drame ki Qismen (Mauzuat ke Hawale se)

Unit II :

- Hindustan men Drame ki Ibtada-o-Irtiqua
- Urdu Adab men Drame ki Ibtada
- Urdu Adab ke chand Ibtadai Drama Nigar

Unit III :

- Agha Hasr ki Swane hayat
- Agha Hasr ki Drama Nigari
- Silver king ka plot
- Silver king ke Ahem kirdar
- Silver king ki makalma Nigari

Unit IV :

- Silver king ka Tanqidi Jayza
- Agha Hasra ke Chand Mashur Drame
- Agha Hasra ke Ahad ke Mashhoor Drama nigar

- Silver king ka Tareekhi pas Manzar

Unit V :

- Objective Question

Reference Book

- (1) Urdu drama fun Aur manzile - Waqar Azeem
- (2) Urdu drama Nigari - Qamar Hasmhi
- (3) Urdu drama Azadi ke baad - Mansoor Ansari
- (4) Apna Urdu Drama - Shahid Zarmi
- (5) Urdu Stage Drama - Tarikh-o-Tanquid - Dr.Jaydev Singh
- (6) Urdu Drame ka Tanquidi Jayza - Ibrahim yusuf
- (7) Agha Hasr ke Drame Aur Unka Tanquidi Mutala - Dr.Shafi

Paper V : (Principal Only)

History of Urdu literature from the beginning upto 'vali' (vali is included)

Unit I :

- Urdu Zaban-o-Adab ki Ibtdea Aur Irtequa.
Saiyed Salman, Ameer Khusru, Kabir, Guru Nanak, Nam Dev, Waghairah ka Urdu

Books Recommended

- (1) Tareekh-i-Adab-i-Urdu, By Jammel Jalibi
- (2) Tareekh-i-Adab-i-Urdu, By Rambabu Saxena
- (3) Sukhanwarn-i-Gujarat By Zahiruddin Madani
- (4) Dakhni Adab ki Mukhtasar Tareekah By Nairuddin Hashimi
- (5) Dakan men Urdu By Hashimi
- (6) Urdu Adab Ki Tanquidi Tareekh by Saiyed Ehtesham Husain

PaperVII (Second subsidiary)

1. Influence of Islamic Civilization of Indian culture and society
2. Contribution of Hindus to Urdu Literature
3. Contribution of Urdu to towards Propagation of other religion besides Islam

Unit I :

- (1) Orgen and Devlopment of Urdu
- (2) Contribution of Non-Muslims in the Dev. of Urdu
- (3) *Religious Books of the different sects of Hindu Religion.
- (4) Contribution of AmeerKhusru in Urdu
- (5) Contribution of Saints in the Formation of Mix-Language.

Unit II :

- (1) Ved, Vedant and Upnishad
- (2) Kabir Panth.
- (3) Theosophical Soceity
- (4) Radha Swami Mat
- (5) Dev Samaj
- (6) Similarity of Ibadat and Bhakti

Unit III : (as a urdu poets)

Intro. of poets, (Short notes)

- (1) Anad Naryan Mukhlis
- (2) Lachhmi Narayan Shafique
- (3) Ram Narayan Mauzoon
- (4) Tek Chand Bahar
- (5) Brindavandas Khushgo
- (6) Sujjan Raikhatri
- (7) Pundit Daya Shankar Nasim
- (8) Pundit Brijnarayan Chakbast
- (9) Pundit BrijMohan Kaifi.
- (10) Jaswant Singh Parwana.

- (11) Ratan Nath Sharshar.
(12) Dr. Tarachand Adab mein hissa.

- Delhi mein Urdu ki Ibtada-o-Irtequa.

Unit II :

- Shimali Hind mein Urdu Zaban ki Tarvij-o-Ishaat ke Asbab
- Gujarati mein Urdu ki Nashv-o-numa.
- Gujarti Adab ki Riwayat
- Siyasi, Samaji Pas Manzar,

Unit III :

- Gujarat mein Urdu ki Ishaat-o-Irtequa main Auliya-e-kiram ka hissa
- Quazi Mahmood Dariyae, Khoob Mohammed Chisti, Bahauddin Bajan, Ali Jiv Gamdhni Waghairah.

Unit IV :

- Dakani Adab ki Riwayat
- Dakkan mein Urdu Zaban ki Ishaat-o-Tarvij ka Samaji-o-Siyasi Pas Manzar.
- Dakkan men Urdu Adab ke Mukhtallif Adwar
- Qutub Shahi Daur, Adil Shahi Daur.

Unit V :

- Bahmani Daur
- Vali Gujarati Ka Ahad
- Iham Goi-Ihamgo, Shoara; Aabru, Naji Waghairah.
- Ghair Ihamgo Shoara
- Vali Gujarati Ki Shairana Khususiyat.

Unit IV :

- Translation of Hindu religious books-Introduction & Review.
- Contribution of Hindu Publishers in the Development of Urdu
- Religious Teaching & messages of Hindu Saints by the medium of Urdu.
- Establishment and social reformation of Brahmo Samaj through Urdu.

Unit V :

- Culture of India before advent of the Muslims
- Advent of Muslims in India and its impacts on Prevalent Hindu culture
- Cultural Integrity of Hindu and Muslims
- Encouragement of Muslim Rulers to Hindu Poets of Urdu.

Reference Books

- (1) Muslim Saqafat-Hindustan mein, By A. Hamid Salik
- (2) Islam Ka Hindustani Tahzib par asar. Dr. Tara Chand
- (3) Islam ke Alawa Mazahib ki Tarvij mein Urdu ka hissa. By D. M.Uzair
- (4) Urdu Shaeri ke Irtequa men Hindu Shoara ka hissa. By, Ganpat Sahay Sri Vastav
- (5) Hindu Adeeb. By Nazeer Kakorvi
- (6) Hinduon men Urdu. By Rafique Marharvi
- (7) Marrif (Monthly:Dec. 1918) By, Saiyed Suleman Nadvi
- (8) Ameer Khusru Aur Hindustan By Dr. TaraChand.

PHILOSOPHY

(Effect from June-2004)

Paper - III Philosophical study of world religions

Paper - IV Ethics

Paper - V Tarkasangraha

Paper - VII Inductive Logic

Paper - III Philosophical study of world religions

- I. Dharma (Religion) as a differentia of man and social significance of religion, analysis of religions, unity and plurality of religions, classification of world religions, democracy, secularism and religion, Approaches

to the study of religions, Importance of the study of sacred books in the religious study.

- II. Vital element of Hindu religion, sacred books of Hindu religion, philosophical doctrines of Hindu religion – personal and impersonal form of God, Doctrine of incarnation, Hetuvada, Mayavada and Lilavada, Physical, psychological and philosophical nature of soul, Relation between soul and god, Law of karma and doctrine of rebirth, Emancipation of soul, Jivanmukti, Jnanayoga, bhaktiyoga and karmayoga as the means of attaining emancipation, Four purusarthas, Varnadharmas, Asramdharmas, Sadharanadharmas, Nature and expression of devotion and detachment in Hindu religion.
- III. Introduction to Jaina, Bauddha, Sikh and Zoroastrian religions with reference to origin and development, Sacred books, Philosophical principles, Ethical principles, Devotion and detachment.
- IV. Introduction to Judaism, Christianity, Islam, Confucius, Tao and Shinto religions with reference to origin and development, Sacred books, Philosophical principles, Ethical principles, Devotion and detachment, Essential unity and distinct emphasis of different religions regarding moral principles, Theism and Monotheism.

Books

1. જગતના વિદ્યમાન ધર્મો, સંપા. ડૉ. જે. એ. યાજ્ઞિક
2. ધર્મોનું તાત્વિક અધ્યયન, ડૉ. બી. જી. દેસાઈ
3. The World Religions, Hume R.S.
4. The Great Religions of the World, Jurji E.T.

Paper-III : વિશ્વના ધર્મોનું તાત્વિક અધ્યયન

૧. માણસની વિશેષતા તરીકે ધર્મ અને તેનું સામાજિક મહત્વ, ધાર્મિક જીવનનું વિશ્લેષણ, ધર્મનું એકત્વ અને ધર્મોની અનેકતા, વિશ્વના ધર્મોનું વર્ગીકરણ, લોકશાહી, બિનસાંપ્રદાયિકતા અને ધર્મ, ધર્મના અભ્યાસ પ્રત્યેના અભિગમો, ધર્મના અભ્યાસમાં પવિત્ર ધર્મગ્રંથો (શાસ્ત્રો)ના અભ્યાસનું મહત્વ.
૨. હિંદુ ધર્મનું પ્રાણત્વ, હિંદુ ધર્મના શાસ્ત્રો, હિંદુ ધર્મના તાત્વિક સિદ્ધાંતો - પરમાત્માનું સગુણ અને નિર્ગુણ સ્વરૂપ, અવતારનો સિદ્ધાંત, હેતુવાદ, માયાવાદ અને લીલાવાદ, જીવાત્માનું શારીરિક, માનસિક અને તાત્વિક સ્વરૂપ, જીવત્મા અને પરમાત્માનો સંબંધ, કર્મનો નિયમ અને પુનર્જન્મનો સિદ્ધાંત, જીવાત્માનો મોક્ષ, જીવન્મુક્તિ; મોક્ષપ્રાપ્તિના સાધન તરીકે જ્ઞાનયોગ, કર્મયોગ અને ભક્તિયોગ, ચાર પુરુષાર્થો, વર્ણધર્મ, આશ્રમધર્મ, સાધારણ ધર્મ, હિંદુ ધર્મમાં ભક્તિ અને વૈરાગ્યનું સ્વરૂપ અને અભિવ્યક્તિ.
૩. ઉદ્ભવ અને વિકાસ, શાસ્ત્રો, તાત્વિક સિદ્ધાંતો, નૈતિક સિદ્ધાંતો, ભક્તિભાવના અને વૈરાગ્યભાવના - એ તમામને અનુલક્ષીને જૈન, બૌદ્ધ, શીખ અને જરથોસ્તી ધર્મનો પરિચય.
૪. ઉદ્ભવ અને વિકાસ, શાસ્ત્રો, તાત્વિક સિદ્ધાંતો, નૈતિક સિદ્ધાંતો, ભક્તિભાવના અને વૈરાગ્યભાવના - એ તમામને અનુલક્ષીને યહૂદી, ખ્રિસ્તી, ઈસ્લામ તથા કોન્ફ્યુશિયસ, તાઓ અને શિન્તો ધર્મનો પરિચય, નૈતિક સિદ્ધાંતો અંગેની વિવિધ ધર્મોની વિશેષતા અને મૂળભૂત સમાનતા, ઈશ્વરવાદ અને એકેશ્વરવાદ.

પુસ્તકો :

૧. જગતના વિદ્યમાન ધર્મો, સંપા. ડૉ. જે. એ. યાજ્ઞિક
૨. ધર્મોનું તાત્વિક અધ્યયન, ડૉ. બી. જી. દેસાઈ
૩. The World Religions, Hume R.S.
૪. The Great Religions of the World, Jurji E.T.

Paper IV Ethics (Western and Indian)

- I. Definition of Ethics – Nature of Ethics – The data and Method of Ethics – Psychological process strating with Desire and ending with will leading to voluntary action – Nature of

Motive and Intention and their relation – Three levels of the Development of Morality – A comparison of the level of custom and the level of conscience – Conscience as the subject of moral judgement – Nature of conscience and various views regarding it – Nature of moral judgement – The object of moral judgement.

- II. Classification of Moral Theories : Deontology and Teleology – Kant's Doctrine of Categorical Imperative and Duty for the sake of Duty – Types of Hedonism – Utilitarianism of Bentham, Mill and Sidgwick – An Evaluation of Hedonism – Contribution of Plato and Aristotle in theory of Self-realization – T.H.Green's theory of Self-realization – Bradley's Doctrine of My station and its duties – An Evaluation of the theory of Self-realization or Eudaemonism.
- III. The relation between Ethical Theory and Moral practice – Nature of Casuistry and Objections to it – Theories of Punishment : Explanation, Criticism and Interrelationship – (i) Freedom of will and personality, (ii) Immortality of Soul, (iii) Existence of God, (iv) Reality of Evil and (v) Reality of Time as postulates of Morality – Rashdall's view regarding the relation between the Postulates of Ethics and conclusions of Metaphysics – Detailed and Critical Exposition of the problem of Freedom of will and Determinism – Nature of Morality and Religion and the Difference and the Relation between the two.
- IV. Concepts of Rta, Rna, Dharma and Niskama Karma in Indian Ethics – Varna Vyavastha, Asrama Dharmas and The four Purusarthas in Upanisadic Ethics – Ethical significance of the Distinction between Sreyas and Preyas described in Kathopanisad – Changeability of Human Nature with reference to Kathopanisad and the Gita – Kama, Krodha and Lobha : The three gates of Hell according to the Gita – Meaning of Non-violence as a means to the Realization of God or Truth according to Mahatma Gandhi – Gandhiji's method of the practice of non-violence at individual, national and international level – practicality and clarity of Metaphysical basis of Indian Ethics – Spiritual Humanism of Indian Ethics.

BOOKS :

1. યાજ્ઞિક જ. આ. : નીતિશાસ્ત્ર પ્રવેશ
2. દેસાઈ ભા. ગો. : નીતિશાસ્ત્ર પ્રવેશ : જે. એસ. મેકેન્ઝીના પુસ્તકનો ગુજરાતી અનુવાદ
3. કોઠારી ગ. વિ. અને ભટ્ટ મૂ. કા. : નીતિશાસ્ત્ર
4. દેસાઈ ભા. ગો. : નીતિશાસ્ત્ર : મ. સ. યુનિવર્સિટી, વડોદરા.
5. મ. જો. પટેલ : ગાંધીજીનું ધર્મદર્શન
6. J. S. Mackenzie : A Manual of Ethics
7. William Lillie : An Introduction to Ethics
8. H. H. Titus : Ethics for Today
9. Harry V. Gensler : Ethics A contemporary Introduction (Routledge London, Indian Edition by Replica Press Pvt. Ltd., Kundli – 131028)
10. H. Rashdall : The Theory of Good and Evil
11. Sharma I. C. : Ethical Philosophies of India
12. M. Hiriyanna : Indian Conception of Values
13. Kedar Nath Tiwari : Classical Indian Ethical Thought (Motilal Banarasidass, Delhi)
14. J. N. Mohanty : Classical Indian Philosophy (Oxford Univ. Press, New Delhi)

Paper - IV—નીતિશાસ્ત્ર (પાશ્ચાત્ય અને ભારતીય)

૧. નીતિશાસ્ત્રની વ્યાખ્યા - નીતિશાસ્ત્રનું સ્વરૂપ - નીતિશાસ્ત્રની અભ્યાસ સામગ્રી અને પદ્ધતિ - ઈચ્છાથી આરંભીને સંકલ્પ પ્રેરિત કર્મ સુધીની મનોવૈજ્ઞાનિક પ્રક્રિયા - હેતુ અને ઈરાદાનું સ્વરૂપ અને એ બે વચ્ચેનો સંબંધ - નીતિમત્તાના વિકાસની ત્રણ કક્ષાઓ - પરંપરામૂલક અને અંતરાત્મા પ્રેરિત નીતિમત્તાની તુલના - નૈતિક નિર્ણયના કર્તા તરીકે અંતરાત્મા - અંતરાત્માનું સ્વરૂપ અને તે અંગેના વિવિધ મંતવ્યો - નૈતિક નિર્ણયનું સ્વરૂપ - નૈતિક નિર્ણયનો વિષય.
૨. નૈતિક સિદ્ધાંતોનું વર્ગીકરણ : નિયમવાદ અને હેતુવાદ - કેન્ટનો નિરૂપાધિક આદેશનો અને કર્તવ્યને ખાતર કર્તવ્યનો સિદ્ધાંત - સુખવાદના પ્રકારો - બેન્થમ, મિલ અને સિજિવકનો ઉપયોગિતાવાદ - સુખવાદનું મૂલ્યાંકન - આત્મસાક્ષાત્કારવાદમાં પ્લેટો અને એરિસ્ટોટલનું પ્રદાન - ટી. એચ. ગ્રીનનો આત્મસાક્ષાત્કારવાદ - માર્ટુ સ્થાન અને તેનાં કર્તવ્યો અંગેનો બ્રેડલીનો સિદ્ધાંત - આત્મસાક્ષાત્કાર કે પૂર્ણતાવાદનું મૂલ્યાંકન.

૩. નૈતિક સિદ્ધાંત અને નૈતિક વ્યવહાર વચ્ચેનો સંબંધ - આપદ્ ધર્મશાસ્ત્રોનું સ્વરૂપ અને તેની સામેના વાંધાઓ - સજાના સિદ્ધાંતો : સમીક્ષા અને પારસ્પરિક સંબંધ - નીતિની ગૃહિત માન્યતાઓ તરીકે (૧) સંકલ્પ સ્વાતંત્ર્ય અને વ્યક્તિત્વ (૨) આત્માનું અમરત્વ (૩) ઈશ્વરનું અસ્તિત્વ (૪) અનિષ્ટની સત્તા અને (૫) કાળની સત્તા - નીતિશાસ્ત્રની ગૃહિત માન્યતાઓ અને તત્ત્વજ્ઞાનના નિષ્કર્ષો વચ્ચેનાં સંબંધ અંગે રેશડોલનું મંતવ્ય - સંકલ્પ સ્વાતંત્ર્ય અને નિયતિવાદની સમસ્યાનું સવિસ્તર અને સમીક્ષાત્મક નિરૂપણ - નીતિ અને ધર્મનું સ્વરૂપ તેમજ તેમની વચ્ચેનો ભેદ અને સંબંધ.
૪. ભારતીય નીતિશાસ્ત્રમાં ઋત, ઋણ, ધર્મ અને નિષ્કામ કર્મની સંકલ્પનાઓ - ઉપનિષદોની નીતિમીમાંસામાં વર્ણવ્યવસ્થા, આશ્રમધર્મો અને ચાર પુરુષાર્થો - કઠોપનિષદે વર્ણવેલા શ્રેયસ અને પ્રેયસ વચ્ચેના ભેદનું નૈતિક મહત્ત્વ - કઠોપનિષદ અને ગીતાના સંદર્ભમાં માનવપ્રકૃતિની પરિવર્તનક્ષમતા - ગીતાની દૃષ્ટિએ કામ, ક્રોધ અને લોભ એ ત્રણ નરકનાં દ્વાર - ઈશ્વર કે સત્યના સાક્ષાત્કાર માટેના સાધન તરીકે અહિંસાનો મહાત્મા ગાંધીની દૃષ્ટિએ અર્થ - અહિંસાના વ્યક્તિગત, રાષ્ટ્રીય અને આંતરરાષ્ટ્રીય કક્ષાએ આચરણની ગાંધીજી માન્ય પદ્ધતિ - ભારતીય નીતિશાસ્ત્રની વ્યવહારલક્ષીતા અને તાત્વિક આધાર અંગેની સ્પષ્ટતા - ભારતીય નીતિશાસ્ત્રની દૃષ્ટિએ આધ્યાત્મિક માનવવાદ.

BOOKS

૧. યાજ્ઞિક જ. આ. : નીતિશાસ્ત્ર પ્રવેશ
૨. દેસાઈ ભા. ગો. : નીતિશાસ્ત્ર પ્રવેશ : જે. એસ. મેકેન્ઝીના પુસ્તકનો ગુજરાતી અનુવાદ
૩. કોઠારી ઝ. વિ. અને ભટ્ટ મૂ. કા. : નીતિશાસ્ત્ર
૪. દેસાઈ ભા. ગો. : નીતિશાસ્ત્ર : મ. સ. યુનિવર્સિટી, વડોદરા.
૫. મ. જો. પટેલ : ગાંધીજીનું ધર્મદર્શન
6. J. S. Mackenzie : A Manual of Ethics
7. William Lillie : An Introduction to Ethics
8. H. H. Titus : Ethics for Today
9. Harry V. Gensler : Ethics A contemporary Introduction (Routledge London, Indian Edition by Replica Press Pvt. Ltd., Kundli – 131028)
10. H. Rashdall : The Theory of Good and Evil
11. Sharma I. C. : Ethical Philosophies of India
12. M. Hiriyanna : Indian Conception of Values
13. Kedar Nath Tiwari : Classical Indian Ethical Thought (Motilal Banarasidass, Delhi)
14. J. N. Mohanty : Classical Indian Philosophy (Oxford Univ. Press, New Delhi)

Paper - V Tarkasangraha.

- I. Definition and classification of padarthas :
 Dravya: Earth, water, fire, air, ether, time, direction, soul and mind – Their definitions and characteristics.
 Guna: Definition and its kinds, samanya and Visesa gunas.
 Karma: Karma as motion, its characteristics and its types.
 Samanya and Visesa: Definition and classification of samanya.
 Abhava: Definition and classification of Abhava.
- II. Knowledge: Definition and classification of knowledge, main cause (Sadhakatam Laksana) of valid knowledge, number of means of knowledge and Pramana – samplava and Pramana Vyavastha, knower – means of knowledge – object of knowledge – knowledge itself. (Pramata – Pramana – Prameya – Pramity)

 Perception : Definition of perception, Sannikarsa and its kinds, classification of perception – Laukika, Alaukika and Avayavi Pratyaksa (Nirvikalpa, Savikalpa, Pratyabhijna and Samanyalaksana, Jnanalaksana, Yogaja)
- III. Inference : Definition of Anuman and Anumiti, Constituents of Inference, Paksadharmata Jnana, Definition and classification of Vyapti, Definition and classification of vyapti, Definition of Paksa, Sapaksa and Vipaksa, Classification of inference : (1) Parvavat – Sesavat – Samanyatodrsta (2) Kevalanvayi –

Kevalvyatireki - Anvaya Vyatireki Anuman and (3) Swarthanuman – Pararthanuman, Definition and types of cause. Falalcies of inference.

IV. Upamana : (Resemblance),

Testimony : Word, import of words, Twofold power of words (Primary or direct and secondary or implied), Vrtti, Laksana or implication, Three requisites of a proposition Expectancy, compatibility and Juxtaposition (Akanksa, Yogyata and Sannidhi), Intended sense (Tatparya Jnana), Two kinds of sentence, Non – eternity of sound.

Soul : Qualities of soul.

Invalid knowledge : Doubt, Error, Logic and memory (Samsaya, Viparyaya, Tarka and Smati)

Books

- | | |
|--------------------------------|--|
| 1. Tarkasangraha | Tr. By Y.V. Athalye & M.R. Bodas. |
| 2. Tarkasangraha | Tr. By S.S. Sukthankar. |
| 3. Tarkasangraha | (Guj.) Tr. By Laksamesa Joshi |
| 4. Tarkasangraha | (Guj.) Tr. By jitendra Jetly & Others. |
| 5. Nyaya- Vaisesika | (Guj.) N.G. Shah |
| 6. Classical Indian Philosphy, | J.N. Mohanty. |
| 7. भारतीय दर्शनि में अडुमाडु, | डु. ब्रजडुडुडुडु शरुडु |

Paper- V तर्कसंग्रह

I. पडुडुडुडुनी वुडुडुडुडु अने वरुडुडुडुडुडु :

डुवुडु : डुडुडुडु, डुडु, तेडु, वुडु, आकडुश, कडुण, डुडुडु, आतुडुडु अने डुडुडु-वुडुडुडुडु अने लुडुडुडुडुडुडुडु.

गुडुडु : गुडुडुडुनी वुडुडुडुडु अने तेनु डुडुडुडु, डुडुडुडुडु अने वुडुडुडुडु गुडुडुडु.

कडुडु : गतुडु तरुडुडुडु कडुडु, तेनु लुडुडुडुडुडुडु अने डुडुडुडु

डुडुडुडु अने वुडुडुडुडु : वुडुडुडु अने डुडुडुडुडुडु नुडुडुडुडु.

अडुडुडु : वुडुडुडु अने वरुडुडुडुडुडु

II. डुडुडु : डुडुडुडुनी वुडुडुडुडु अने वरुडुडुडुडुडु, डुडुडुडुडुडु डुडुडुडुडु डुडुडुडु, डुडुडुडुडुडु डुडुडुडु, डुडुडुडुडुडु डुडुडुडु, डुडुडुडुडुडु डुडुडुडुडुडुडु.

डुडुडुडु : डुडुडुडुडुनी वुडुडुडुडु, डुडुडुडुडु अने तेनु डुडुडुडु, डुडुडुडुडुडु वरुडुडुडुडुडु लुडुडुडु, अलुडुडुडुडु अने अवडुडुडुडु डुडुडुडु, (नुडुडुडुडुडु, डुडुडुडुडु, डुडुडुडुडुडु तथुडु डुडुडुडुडुडुडु, डुडुडुडुडुडु अने डुडुडुडु)

III. अनुडुडुडु : अनुडुडुडु अने अनुडुडुडुडुनी वुडुडुडुडु, डुडुडुडुडुडु अनुडुडुडु, डुडुडुडुडुडुडु, वुडुडुडुडुनी वुडुडुडुडु अने वरुडुडुडुडुडु, डुडुडु डुडुडुडु अने वुडुडुडुडुनी वुडुडुडुडु, अनुडुडुडुडु वरुडुडुडुडु (1) डुडुडुडुडु-डुडुडुडुडु-डुडुडुडुडुडुडुडु (2) डुडुडुडुडुडुडु-डुडुडुडु वुडुडुडुडुडु-अनुडुडुडुडुडुडु (3) डुडुडुडुडुडुडु-डुडुडुडुडुडुडु, डुडुडुडुडुनी वुडुडुडुडु अने डुडुडुडु, तर्कडुडुडुडु.

IV. डुडुडुडुडु शडुडु : शडुडु, शडुडुडुडु डुडुडु, शडुडुडुनी डुडुडुडु शडुडुडु (डुडुडुडुडुडु अने गुडुडु), वुडुडु, लडुडुडु, वुडुडुडुडुनी डुडुडु डुडुडुडुडुडुडु (आकडुडु, डुडुडुडुडु अने डुडुडुडु), ततुडुडुडुडुडु, डुडु डुडुडुडुडु वुडुडुडु, शडुडुडुडुडु अने नुडुडुडुडु, आतुडुडुडु गुडुडु, अडुडुडुडु डुडुडु-डुडुडु, वुडुडुडुडु तर्क, डुडुडुडु.

डुडुडुडु

- | | |
|---------------------------------|--|
| 1. Tarkasangraha | Tr. By Y.V. Athalye & M.R. Bodas. |
| 2. Tarkasangraha | Tr. By S.S. Sukthankar. |
| 3. Tarkasangraha | (Guj.) Tr. By Laksamesa Joshi |
| 4. Tarkasangraha | (Guj.) Tr. By jitendra Jetly & Others. |
| 5. Nyaya- Vaisesika | (Guj.) N.G. Shah |
| 6. Classical Indian Philosphy, | J.N. Mohanty. |
| 7. भारतीय दर्शनि में अडुडुडुडु, | डु. ब्रजडुडुडुडु शरुडु |

Paper - VII Inductive Logic

- I. Nature and function of informative, expressive and directive language, Synthesis of the three functions of

language, Forms of discourse, Definition and classification of Fallacies, Illustrative explanation of the nature of the thirteen fallacies of relevance and five fallacies of ambiguity, Avoidance of fallacies.

- II. Five purposes of definitions, Structure of definition: Definiendum & definiens, Types of definition, Extensional or denotative and intentional or connotative meaning, Relation of these two meanings of a term, Types of denotative definition and their evaluation, Types of connotative definition and their evaluation, Rules and fallacies of the definition by genus and differentia.
- III. Characteristics of Induction, Philosophical basis of induction, Steps of scientific induction, Definition of scientific induction, Its general and specific characteristics, Definition of induction by simple enumeration, Its value and limitations, Definition of analogy, Its general and specific characteristics, Soundness of analogy, Comparison of scientific induction, Induction by simple enumeration and analogy with each other.
- IV. Mill's analysis of scientific notion of cause, Meaning of cause from the standpoint of science, Necessary and sufficient condition, Relation between them, Various meaning of cause from practical point-of-view, Proximate and remote cause, Plurality of cause, Uniformity of causation, Mill's five methods (method of agreement, method of difference, joint method of agreement and difference, method of residues, method of concomitant variation) of scientific investigation and their symbolic presentation, Scientific and unscientific explanation, Criteria of acceptability of hypothesis and place of crucial experiment in it.

Books

1. An introduction to logic, I. M. Copi.
2. An introduction to logic, Kohan & Nagel.
3. Vainanik Vicar Paddhati, (Guj.) B.G. Desai.
4. Prarambhic Tarkasastra, (Guj) K.B. Vyas, Parimal Dalal, K.B. Mankad.
5. Arvachin Tarkasastra Pravesa, (Guj.) Dr. J.A. Yagnik and K.B. Patel.

Paper - VII : વ્યાપ્તિલક્ષી તર્કશાસ્ત્ર

- I. માહિતીપ્રદાનાત્મક, અભિવ્યંજક અને પ્રવર્તક ભાષાનું સ્વરૂપ અને કાર્ય, ભાષાનાં ત્રણેય કાર્યોનું મિશ્રણ, વાણી-વ્યવહારનાં રૂપો, તર્કદોષોની વ્યાખ્યા અને વર્ગીકરણ, પ્રસ્તુતતાને લગતા તેર તેમ જ સંદિગ્ધતાને લગતા પાંચ તર્કદોષોના સ્વરૂપની સદૃષ્ટાંત સમજૂતી, તર્કદોષોનો પરિહાર.
- II. લક્ષણના પાંચ હેતુઓ, લક્ષણનું બંધારણ : લક્ષ્યપદ અને લાક્ષણિકતા, લક્ષણના પ્રકારો, વસ્તુનિર્દેશક ને ગુણનિર્દેશક અર્થ, વસ્તુનિર્દેશ વચ્ચેનો સંબંધ, વસ્તુનિર્દેશક લક્ષણના પ્રકારો અને મૂલ્યાંકન, ગુણનિર્દેશક લક્ષણના પ્રકારો અને મૂલ્યાંકન, વ્યાપક જાતિ અને ભેદકતા દ્વારા લક્ષણના નિયમો અને દોષો.
- III. વ્યાપ્તિકરણની લાક્ષણિકતાઓ, વ્યાપ્તિકરણના તાત્ત્વિક આધારો, વૈજ્ઞાનિક વ્યાપ્તિના સોપાનો, વૈજ્ઞાનિક વ્યાપ્તિનું લક્ષણ, તેની સામાન્ય અને વિશિષ્ટ લાક્ષણિકતાઓ, સાદી કે માત્ર ગણનામૂલક વ્યાપ્તિનું લક્ષણ, તેની સામાન્ય અને વિશિષ્ટ લાક્ષણિકતાઓ, તેનું મૂલ્ય અને મર્યાદાઓ, સાદૃશ્ય તર્કનું લક્ષણ, તેની સામાન્ય અને વિશિષ્ટ લાક્ષણિકતાઓ, સાદૃશ્યતર્કની સબળતા, વૈજ્ઞાનિક વ્યાપ્તિ, માત્ર ગણનામૂલક વ્યાપ્તિ અને સાદૃશ્ય તર્કની તુલના.
- IV. કારણના વૈજ્ઞાનિક ખ્યાલનું મિલે કરેલું વિશ્લેષણ, વૈજ્ઞાનિક દૃષ્ટિએ 'કારણ'નો અર્થ, અનિવાર્ય અને પર્યાપ્ત શરત, તેમની વચ્ચેનો સંબંધ, વ્યાવહારિક દૃષ્ટિએ 'કારણ' શબ્દના વિવિધ અર્થો, નિકટવર્તી અને દૂરવર્તી કારણ, કારણબહુતાવાદ, કાર્યકારણ સંબંધની એકરૂપતા, મિલે આપેલી પ્રાયોગિક અન્વેષણની પાંચ પદ્ધતિઓ-અન્વય પદ્ધતિ, વ્યતિરેકી પદ્ધતિ, અન્વયવ્યતિરેકી પદ્ધતિ, અવશેષ પદ્ધતિ, સહવર્તી પરિવર્તન પદ્ધતિ અને તેમની પ્રાતીક રજૂઆત, વૈજ્ઞાનિક અને અવૈજ્ઞાનિક સ્પષ્ટીકરણ, ઉપસ્થાપનાની સ્વીકાર્યતાની કસોટીઓ અને તેમાં નિર્ણાયક પ્રયોગનું સ્થાન.

પુસ્તકો

1. અર્વાચીન તર્કશાસ્ત્ર પ્રવેશ, ડૉ. જે. એ. યાજ્ઞિક અને કે. બી. પટેલ
2. પ્રારંભિક તર્કશાસ્ત્ર, કે. બી. વ્યાસ, પરિમલ દલાલ, કે. બી. માંકડ વગેરે.
3. વૈજ્ઞાનિક વિચાર પદ્ધતિ, બી. જી. દેસાઈ
4. Introduction to logic, I. M. Copi.
5. An Introduction to logic, Kohan & Nagel.

S.Y.B.A. PSYCHOLOGY Examination

SYLLABUS FOR REGULAR & EXTERNAL STUDENTS

PAPER III (SOCIAL PSYCHOLOGY COMPULSORY & OPTIONAL PAPER III)

SYBA (Ext) 34

Main Objectives	To acquaint students with the basic construct and latest emerging trends in social Psychology To provide students a perspective of social behaviour
Total Marks	100 70 External Examination 30 Internal Assessment
Duration of Examination	Three Hours

The paper will consist of the following Five units

Number of Units	Topics for Unit	Marks for Unit	Period for Teaching
UNIT I	1. Introduction to Social Psychology 2. Socialization		
UNIT II	1. Social Perception 2. Social Cognition		
UNIT III	1. Attitudes and Prejudices 2. Public Opinion , Propaganda and Mass media		
UNIT IV	1. Group processor & dynamics 2. Leadership		
UNIT V	1. Pro Social Behaviors 2. Aggression		

UNIT I

Introduction to Social Psychology and Socialization

(B kuppuswamy Page 1 to 15

Baron and byrne Page 5 to 27

CHAPTER 1. Introduction to Social Psychology

- Definition, Nature and scope of Social Psychology
- Relation of Social Psychology to other sciences (General Psychology, Sociology and Cultural Anthropology)
- Theoretical Perspectives, Approaches to Social Psychology,(Cognitive Theory, Evolutionary Theory)
- Research Methods in Social Psychology(Baron & Byone Page 18 to 27
 - A. Systematic Observation.
 - B. And Experimental Methods

CHAPTER. 2. Socialization

- Socialization process (B Kuppuswamy P 33 to 43)
- Agents of Socialization in childhood (Family, Peers, School)
- Processor of Socialization (Affiliation, Dependency condition internalization of values identification
- Outcomes of Socialization (Gender Role, linguistics and cognitive Competence, Moral Development, Work Orientation)

UNIT- II

Social Perception and Cognition

CHAPTER 3 : Social Perception (Baron & byone P.36 to 65, 76-98,)

Social Perception :

(A) Perception of Others

Non-verbal communication (Expression, Gazes, Gestures Attribution theory (theory sources of Err. & Applicaton) Impression Formation, Impression Management and accuracy in impression formation

(B) Perception of Self

- Self concept
- Self esteem
- Aspects of self functioning

CHAPTER 4 Social Cognition

SYBA (Ext) 35

- Impact of Schemes on cognition (Attention, Encoding Retrieval and self confirming nature of schemes)
- Heuristics and Automatic processing (Representatives, availability, Automatic processing in social thought)
- Sources of Errors in social cognition (negativity Bias, Optimistic Bias Thinking too much, Counterfactual thinking, magical thinking, Thought, suppression).

UNIT III

Attitudes, Prejudices, Public opinion, Propaganda and Mass media

(A) Perception of Others

CHAPTER 5 Attitudes and Prejudices (B kuppawamy P 95-110, Baron & byone P 121 – 144)

ATTITUDES :

- Definition and Nature of attitudes
- Formation of attitude
- When and How attitudes influence behaviors
- Changing attitudes (Persuasion, Resistance to Persuasion)

PREJUDICES (Baron and byone P 209 to 228 Kuppawamy P 128-137)

- Nature and Origin
- Effects
- Cures or Reducing prejudice
- Indian Study

CHAPTER 6 Public Opinion and Propaganda and Mass Media(Kuppawamy P 111– 127)

- What is Public Opinion
- Formation of public opinion
- Measurement of public opinion
- Meaning of propaganda
- Propaganda technique
- Mass media

UNIT IV

Group and Leadership

CHAPTER 7. Group processes ,conformity and Deviance (Kuppawamy P 53 to 81, Baron and byone P 349 to 371, 472-509)]

- Meaning and definition of groups
- Group cohesiveness
- Group norms
- Group conflict and co-operation
- Group dynamics and decision making in groups
- Deviant behaviours

CHAPTER 8 Leadership (Kuppawamy 82-'94)

- definitions of Leader and Leadership
- Emergence of Leaders
- Functions of Leaders
- Personality characteristics of Leaders
- Fielders contingency model of leadership effectiveness
- Communication Networks
- Leadership studies

UNIT V

CHAPTER 9 (Baron & byone P 10TH ed. P 390-426)

Pro Social Behaviors

- Definition (P. 389)
- Decision to help in emergency (P 393 to 397)
- Self interest, moral integrity, moral hypocrisy (P 402 to 404)

- Helpers and those who receive help
- Explaining pro social behaviors, why do people help.

CHAPTER 10 Aggression (Baron and byone P 436 to 465)

- Theoretical Perspectives
(Biological factors, Drive theories, Modern Theories)
- Determinants of human aggression (Social, personal & situational)
- Prevention and control of aggression (punishment catharsis, cognitive intersection, other techniques)

BOOKS :

- Basic Books :
- | | |
|---|--|
| 1 | B. Kuppuswamy (1990) “ Elements of Social Psychology” 7 th Edition. |
| 2 | Baron R A & Byone D (2003) “Social Psychology” 10 th edition New Delhi, Prentice Stall. |

Reference Books

- 1 H Andrew Michener, John D Delamater, Daniel J myers (2004) 5th Edition “ Social psychology” Thomson wadsworth
- 2 Samaj Manovigyanki Ruparekha (Hindi) Arun Kumar Singh Motilal Banarasidas (6th Ed. 2003) Delhi.
- 3 Adhunik Samaik K Manovigyan (Hindi) Prof. Lal Bachan Tripathi, H P Bhargava Book Home (1998-99) 2nd Edition, Agra.

**S.Y.B.A. (PSYCHOLOGY)
SYLLABUS FOR REGULAR & EXTERNAL STUDENTS
PAPER 7 (CHILD PSYCHOLOGY PAPER 7)**

UNIT I

CHILD PSYCHOLOGY –AN INTRODUCTION

- Definition
- Nature
- Scope
- Significance
- Field
- Stances of major theories on basic issues in child development Berk L E P 32
- Child & child care – Doctor

UNIT II

Prenatal and Physical Development, Motor Development

1. Prenatal and Physical Development
 - Prenatal Development – Berk P.86
 - Germinal Period or the Period of the zygote
 - Embryonic period or the period of the Embryo
 - Fetal period or the period of the fetus
 - Physical Development (Birth to 12 Year)
 - Crow & crow P 24 to 33
 - Mittal & Mittal – P 27 to 31
 - Weight & Height
 - Bones
 - Teeth
 - Body proportions, Head, Face, Nose, Chest, Hand & legs.
 - Muscles & Fat
 - Developments of Internal Parts
 - Factors Influencing Physical Development – Mittal & Mittal p. 31 to 32
 - Motor Development
 - Definition Hurlock P. 136
 - Gross Motor & Fine Development in First two year and Early and Middle childhood – Berk

P.140, P-174

- Hetherington & Parke P 202 to 212

UNIT III

Cognitive and Intelligence Development

- Cognitive Development Berk
 - Some Cognitive Attainments of Infancy (p. 128) Early childhood (p.240), Middle childhood and adolescence (p-244)
 - Stages of cognitive Development
 - Hetherington & Parke p. 343 to 367
- Intelligence Development
 - Definition Hetherington & Park – p-430
 - Stages of Intelligence Developments
 - Distribution of Intelligence -crow & crow p. 67
 - Can Intelligence be improved by Deliberate effort?
 - English H. B. Dynamics of C. D. p. 295 to 312
 - Resources necessary for creativity Berk p. 3 –7

UNIT – IV

* Emotional Development Language and Moral Development

- Definition
- Emotional Development - Berk P. 409
- Development of Emotional Expression - Berk p. 397 to 404 crow & crow p. 79 to 87
- Episodes in the strange situations - Berk - p. 420
- Over coming children's fears
- Hetherington & Parks p. 271 – 276
- Language Development
 - Language Development Berk . p. 386
 - The stage of Language Development
 - Functions of Language or why Language? - Hetherington & Parke p. 283 to 284
 - The four faces of Language, Phonology, semantics, syntax and pragmatics – Hetherington & Parke p. 284 to 286
- Moral Development
 - Definition
 - Internalization of moral Norms and Development of Moral Understanding Berk p. 503
 - Development of Self control and aggression Berk p. 506

UNIT V

Personality Development Contexts for Development

- Personality Development crow & crow p. 181 to 197
 - Definition
 - Gender Typing - Berk p. 543
 - The Growth of personality
 - Factors that Influence – Personality Development
 - Personality Evaluation
- Contexts for Development Berk p. 556 to 636
 - The family
 - Peers, Media and schooling
 - Characteristics of Friendships
 - Regulating children's T.V. viewing

Basic Books

1. Child Development

Laura E Berk 6th Edition Pearson Education
First Indian Reprint 2003

2. Child Psychology
A contemporary viewpoint 3rd Edition
- E Mavis Hetherington Ross D parke
Mc Graw – Hill international Editions Psychology series International Edition 1986
3. Dynamics of Child Development
Horace B English
The Ohio state university
New Holt, Rinehartand Winston, Inc. February 1967
City Arts college Library 155.4 / Eng / 2746 / CUGC
4. A text Book of Child Behavior and Development
B. Kuppuswamy Vani
Educational Books,
4th Edition 1984
City Arts college Library 155.4 Kup 16676
5. Barnes & Noble college outline series
Child Psychology
Lester D. Crow ALICE CROW
Barnes & Noble, Inc New York Copyright 1953 Reprint 1967
City Arts college Library 155.4 / CRO / UGC 2885
6. Shaishavnu manovighyan
Catherine Landreth
Late Harprasad J Bhatt, Ashwinikumar H. Bhatt
Gujarat University First Edition 1976
H. K ARTS College Colt Psy 184 / 50-51

Reference Books :

1. Baal Manovigyan
Dr. Smt. Santosh Mittal
Dr. Smt. Deepshikha Mittal
University Book House Pvt. Ltd., Jaipur
RastraBhasha Arts & Comm College 4789/1/9/1/04
2. Baal Manovigyan
Urvashi Kapadiya
Shri Bharatkumar B Gandhi
Anada Book Depo
1st Edition, 1968
Shri H K Arts College Library (s1/60.5/18705)
3. Baal Manovigyan
Shri Mahesh M Dave
Shri Kishor K Shukla
Shri S.V. Trivedi
Shri G.R. Mansuri
M/s B.S.Shah Prakashan
2nd Edition oct-1973
Shri H K Arts College Library (s1/51.9/coltpsy.16)
4. Baal Manas
Dr. Leelaben Shah
1st Edition

Mahajan Book Depo

Shri H K Arts College Library (s1/60.12/25398)

S.Y.B.A. Psychology Paper IV: Abnormal Psychology

1. Psychology Paper IV : Abnormal Psychology
2. Main Objectives : To acquaint students with the basic constructs of Abnormal Psychology
3. Total Marks 100 : 70 External Examination
30 Internal Assessment

Duration of Examination Three Hours

The paper will consist of the following Five units

Number of Units	Topics for Unit	Marks for Unit	Period for Teaching
Unit I	Introduction to Abnormal Psychology	14	16
Unit II	Anxiety and Their Disorders	14	16
Unit III	The addictive Disorders and Psychological causes and Physical Disorder	14	16
Unit IV	The Schizophrenic, Delusional Disorder and mood disorder	14	16
Unit V	Therapies	14	16

UNIT I

INTRODUCTION TO ABNORMAL PSYCHOLOGY

1. Introduction to abnormal Psychology
 Definition of abnormal Psychology (Carson P G1) (Glossary P-1)
 What do we mean by abnormal behavior (Calman P 13 to 16)
 Personnel in mental health (Carson P 16) The Mental Health “Team”
 DSM classification in mental disorder (Carson P 8 to 11)
2. Causal factors in abnormal behaviors
 Biological causal factors
 - Neurotransmitter and hormonal imbalances (Carson P 68 to 71)
 - Genetic Vulnerabilities (Carson P 71 to 72)
 - Constitutional Liabilities (Carson P 75 to 78)
 - Psychosocial causal factors (Carson P to 108)
 - Socio cultural causal factors (Carson P 112 to 113)

UNIT II

ANXIETY AND THEIR DISORDERS

01. Overview of Anxiety Disorders (Carson P 161 to 164)
 - Phobic disorders, Social Phobia (P 169)
 - Panic disorders with and without Agoraphobia (P 172 to 175)
 - Generalized Anxiety disorder (P 183 to 190)
 - Obsessive compulsive disorder (P 192 to 195)
02. Somatoform and dissociate disorders
 Somtoform Disorders
 - Somatization disorder (Carson P 268 to 269)
 - Hypochondriasis (Carson P 269 to 271)
 - Pain disorder (Carson P 271 to 273)
 - Conversion disorder (Carson P 273 to 276)
 Dissociative Disorders
 - Dissociative Amnesic and Fugue (Carson P 280 to 282)
 - Dissociative Identity Disorder (Carson P 282 to 284)

- Dipersonalization disorder (Carson P 285 to 286)

UNIT III

The Addictive Disorders and Psychological causes and Physical Disorder

01. The addictive disorder
Alcohol abuse and dependence (Carson P 377 to 382)
Drug abuse and dependence (Carson P 397 to 409)
02. Psychological causes and physical Disorders
(As per Psychosomutic disorders old course)

UNIT IV

The Schizophrenias, Delusional Disorder and mood Disorder

01. The schizophrenias and delugional disorder
 - The schizophrenias (Carson P 464 to 477,489 to 493)
 - The classic subtypes of schizophrenias
 - Causal factors in schizoprenia
 - Delusional disorder (Paranoia) (Carson P 496 to 500)
02. Mood Disorders (Carson P 210 to 224)
 - What are mood disorder ?
 - Unipalar mood disorders
 - Bipolar mood Disorders

UNIT V

Therapies

01. Psychologically Based Therapies
 - The concept of mental health
 - Who
 - Indian Movement
 - An overview of Psychological treatment (Carson P 644 to 647)
 - Cognitive Therapy (Carson P 662 to 665)
 - Humanistic Therapy (Client centerct (Carson P 668 to 669)
02. Biologically based Therapies
 - Early attempts at biological intervention
 - Coma and convulsive therapies (Carson P 619 to 622)
 - Neuro surgery (Carson P 622 to 624)
 - Psychopharmacological Methods of Treatment
 - General Information regarding
 - Anti psychotic Drugs
 - Antidepressant Drugs
 - Antianxiety Drugs
 - Mood stabilizing Drugs

Basic Reference Books :

01. Abnormal Psychology and Modern Life (Carson, Butcher, Mineka) Published by Pearson Education (Singapore), 1st Ed., 2003.
02. Abnormal Psychology and Modern Life (James C Coleman) Published by Taraorewala & Co. Pvt. Ltd.
03. Aadhunik Asamanya Manovigyan (Arunkumar Singh) Published by Motilal Banarsidas

SYBA (Ext) 41
BIOLOGICAL AND PHYSIOLOGICAL BASES OF BEHAVIOUR

Main Objective : (1) To acquaint students with the basic constructs of Biological and Physiological Psychology.
(2) To provide students a perspective of biological and physiological bases of behaviour

Total Marks : 100 70 External Examination
30 Internal Examination

Duration of Exam : Three hours

The paper will consist of the following five units

Number of Topics for Units

Unit

UNIT I Introduction and Methods of Study

UNIT II Biological bases of Behaviour

UNIT III Biological and Physiological bases of Behaviour

UNIT IV Physiological basis of Motivation and Emotion

UNIT V Physiological basis of Higher Mental Processes, Intelligence and Personality

UNIT III Physiological Basis of Perception & Sensory and Motor Mechanisms

(I) **PHYSIOLOGICAL BASIS OF PERCEPTION :**

(1) Visual perception

(2) Auditory perception

(3) Chemical Perception

(Olfactory and Gustatory Perception)

(4) Somesthetic perception

(Cutaneous and Kineasthetic perception)

[Morgan & King 280 to 300, 312 to 321, 326 to 334]

(II) **SENSORY AND MOTOR MECHANISMS :**

(1) Sensory Areas and Pathways

(2) Topographical Arrangement

(3) Sensory Experience

(4) Skilled Movements

(5) Motor and Pre-motor Areas

[Morgan & King Page 699 to 714]

UNIT IV Physiological Basis of Motivation and Emotion

(I) **PHYSIOLOGICAL BASIS OF MOTIVATION :**

(1) Homeostasis

(2) Hunger Motivation

(3) Thirst Motivation

(4) Sexual Motivation

(5) Sleep and Arousal

[Morgan & King Page 205 to 214, & 714 to 718]

(II) **PHYSIOLOGICAL BASIS OF EMOTION :**

(1) **PHYSIOLOGICAL CHANGES DURING EMOTIONS**

(2) Emotion and Central Nervous System

(3) Emotion and Autonomic Nervous System

(4) Emotion and Endocrine Glands

(5) **LIE DETECTOR**

(6) Theories of Emotion

[Morgan & King Page 253 to 259 & 721 to 725]

UNIT V **PHYSIOLOGICAL BASIS OF HIGHER MENTAL PROCESSES, INTELLIGENCE AND PERSONALITY**

(I) **Physiological Basis of Higher Mental Processes :**

SYBA (Ext) 42

- (1) Relationship between Higher Mental processes and Brain
 - (2) Physiological basis of Learning
 - (3) Physiological basis of Memory
 - (4) Physiological basis of thinking
[Morgan & King 725 to 731, C. T. Morgan 509 to 529]
- (II) Physiological Basis of Intelligence and Personality :
- (1) Feeble – Mindedness
(Types and Causes)
 - (2) Improvement in Intelligence
 - (3) Drugs and Personality
(Psychotomimetic drugs and Psychotherapeutic drugs)
[C. T. Morgan Page 555 to 567]

BASIC BOOKS

Morgan C. T. Physiological

- (1) Psychology (3 rd Ed.) New York McGraw Hill Book company, 1965
- (2) Morgan C T and R A King
Introduction to Psychology (3 rd Ed.) New York, McGraw Hill Book Company 1966
- (3) Levinthal C. F. 'Introduction to Physiological Psychology (3rd Ed.) New Delhi, Prentice – Hill of India Private Limited, 1990

Reference books

- (1) Carlson N. R. : Foundations of Physiological Psychology, Boston, Allyn and Bacon Inc. 1988
- (2) Thompson R. E. Introduction to Physiological Psychology New York, Harper & Row Publishers (1975)
Introduction to Psychology (3 rd Ed.) New York, McGraw Hill Book Company 1966

INDIAN CULTURE EXAMINATION

PAPER III

(Cultural History of India--Medieval & Modern Period)

Unit 1 :

1. An outline study of the development of the medieval and the modern Indian Culture
2. Social, economic and religious condition of India during the Sultanate Period

Unit 2 :

1. Cultural achievements of the Mughal emperor Akbar
2. Administrative system of the Mughal Period
3. Art and architecture during the Mughal Period

Unit 3 :

1. Impact and synthesis of Hindu and Muslim Culture
2. Bhakti movement--factors of origin--Principles of Bhakti movement
3. Sainly tradition of North India, Maharashtra and Gujarat

Unit 4 :

1. Sailors of the medieval Culture : Krishnadevray, Maharana Pratap, Chhatrapati Shivaji, Guru Govindsinh
2. Causes and result of 1857 event
3. Renaissance of India and its torch-bearers : Rajaram Mohanray, Dayanand Saraswati, Swami Vivekananda

Unit 5 :

Freedom fighters :

1. Bal Gangadhar Tilak
2. Bhagatsinh
3. Netaji Subhashchandra Bose

4. Gandhiji
5. Sardar Patel

Unit 6 :

1. Multiple development of independent India :
 - (a) Green revolution
 - (b) White revolution
 - (c) Development of Science and Technology
 - (d) Industrial development and space research
2. Indian democracy and its challenges
 - (a) Communalism and militant activities
 - (b) Poverty, over population, unemployment and corruption
 - (c) Mass media and environment
3. Problems of globalisation.

Books Recommended

Majmudar, Raychaudhari & Datta	: An advanced History of India (Part II and III)
Srivastav, A. L.	: Medieval Indian Culture
Majmudar, R. C. & others	: British Paramountacy and Indian Renaissance Part II
Mahajan, V. D.	: The Nationalist Movement in Indian And its leaders
Nehru, Jawaharlal	: Discovery of India
Tarachand	: Influence of Islam on Indian Culture
Zafar, S. M.	: The Cultural aspects of Muslim rule in India
Shrivastav, A. L.	: The Mughal Empire
Farquhar, J. N.	: Modern religious movement in India
Sharma, D. S.	: The Renaissance of Hinduism
Narvane, V. S.	: Modern Indian Thought
Banerjee, Surendranath	: A Nation in the making
Mulkaraj, Anand	: Is there a contemporary Indian Civilization
નાયક, છોટુભાઈ	: મધ્યયુગીન ભારત ભાગ ૧-૨ (ગુજરાત યુનિવર્સિટી પ્રકાશન)
ચાવડા, વિજયસિંહ	: ભારતનો સાંસ્કૃતિક ઇતિહાસ
પરીખ, પ્રવીણચંદ્ર સી.	: ભારતનો સાંસ્કૃતિક ઇતિહાસ (૧૦૦૦ થી ૧૮૧૮) (યુનિ. ગ્રંથનિર્માણ બોર્ડ, અમદાવાદ) (ભીજી આવૃત્તિ)
પરીખ, પ્રવીણચંદ્ર સી.	: ભારતીય સંસ્કૃતિની ઝલક (મધ્યકાલ અને અર્વાચીનકાલ) (ગુજરાત યુનિવર્સિટી પ્રકાશન)
પરીખ, પ્રવીણચંદ્ર સી.	: ભારતીય સંસ્કૃતિ : સ્વરૂપ અને વિકાસ, યુનિવર્સિટી ગ્રંથનિર્માણ બોર્ડ
સેન, ક્ષિતિમોહન	: મધ્યયુગીનસાધનાની ધારા
નરવણે, વી. એસ.	: આધુનિક ભારતીય ચિંતન (અનુ. ત્રિવેદી ભાવના)

Paper IV

(Cultural History of Gujarat--Medieval & Modern Period)

Unit 1 :

1. Establishment of independent Sultanate in Gujarat
2. Achievements of Ahmedshah and Mahmud Begada
3. Administrative system of the Sultanate Period
4. Social life during the Sultanate Period

Unit 2 :

1. Economic and religious conditions during the Mughal Period
2. Navigation during the medieval Gujarat
3. Sainly tradition of Gujarat :

(a) Shaikh Ahmed Khattu Ganj Baksh	(b) Narasimha Mehta
(c) Mirabai	(d) Sahajanand Swami
(e) Saint Prananathji	(f) Hira Vijay suri

Unit 3 :

SYBA (Ext) 44

1. Contribution of Sayajirao Gajwad III in the development of Baroda State
2. Social reform movement of Gujarat during the 19th Century A. D. and its social reformers

Unit 4 :

- Important Satyagrahas of Gujarat :
 1. Kheda, Borsad, Bardoli
 2. Dandikuch--1930
 3. Quit India--1942
 4. Arzi Hakumat

Unit 5 :

1. Impact of Gandhian thought on Gujarat--Social life, education, women's upliftment and rural development
2. Merger of princely states and contribution of Sardar Patel
3. Maha Gujarat Movement and formation of Gujarat State

Unit 6 :

Modern Gujarat

1. Development of Industry, trade and commerce
2. Social change and education
3. Co-operative movement in Gujarat--Irrigation and Narmada Yojana

Books Recommended

Commissariat, M. S.	: History of Gujarat Vol. I, II, & III
Misra, S. C.	: The Rise of Muslim Power in Gujarat
Munshi, K. M.	: Gujarat and its Literature
Chaube, J.	: History of Gujarat Kingdom
Gujarat State Gazetter (General) Vol. I and II (New Edition, Gandhinagar)	
Majumdar, M.A.	: Cultural History of Gujarat
જોટ, રત્નમણિરાવ વી.	: ગુજરાતનો સાંસ્કૃતિક ઇતિહાસ - ઈસ્લામયુગ, ખંડ ૧-૪
પારેખ, હીરાલાલ	: અર્વાચીન ગુજરાતનું રેખાદર્શન - સુધારેલી આવૃત્તિ-ગુજરાત વિદ્યાસભા
દેસાઈ, ગો. કા.	: ગુજરાતનો અર્વાચીન ઇતિહાસ
રાજગોર, શિવપ્રસાદ	: અર્વાચીન ગુજરાતનો રાજકીય અને સાંસ્કૃતિક ઇતિહાસ - (યુનિ. ગ્રંથનિર્માણ બોર્ડ)
ત્રિવેદી, નવલરામ	: સમાજ સુધારાનું રેખાદર્શન (નવી આવૃત્તિ) - ગુજરાત વિદ્યાસભા (૧૯૭૭)
મહેતા, કુંજવિહારી	: ગુજરાતનું સાંસ્કૃતિક દર્શન
શુક્લ, યશવંત	: ક્રાંતિકાર ગાંધીજી
આચાર્ય, નવીનચંદ્ર	: ગુજરાતનો મધ્યકાલીન ઇતિહાસ (યુનિ. ગ્રંથનિર્માણ બોર્ડ, પ્રકાશન)
પરીખ, ર. છો. અને	: ગુજરાતનો રાજકીય અને સાંસ્કૃતિક ઇતિહાસ, ભાગ ૫ થી ૭,
શાસ્ત્રી, હ. ગં.	: ભો. જે. વિદ્યાભવન પ્રકાશન
શાસ્ત્રી, હ. ગં. અને	: ગુજરાતનો રાજકીય અને સાંસ્કૃતિક ઇતિહાસ. ભાગ ૮ થી ૯
પરીખ, પ્ર. ચી.	: ભો. જે. વિદ્યાભવન પ્રકાશન
મશરૂવાળા, કિશોરલાલ	: ગાંધી વિચાર દોહન - સૂરીશ્વર અને સમ્રાટ
સેદાણી, હસુતાબેન	: સંત પ્રણનાથ

Paper V

(Folk Culture of Gujarat)

Unit 1 :

1. Geographical factors moulding the folk culture of Gujarat
2. Mer tride--History, costume and ornaments
3. Ahir tride--History, costume and ornaments

4. Vaghari tride--History, costume and ornaments
5. Rabari tride--History, costume and ornaments

Unit 2 :

1. Folk religions
2. Folk fairs
3. Folk festivals

Unit 3 :

1. Paliyas (martyr stones) of Gujarat
2. Folk songs
3. Folk stories

Unit 4 :

1. Folk music
2. Folk dances
3. Folk dramas

Unit 5 :

1. Kneating, embroadary and bead work of folk tribes
2. Folk painting and sculpture
3. Decoration of house of folk tribe
4. Hardicrafts of Gujarat.

Books Recommended

પરમાર, જયમલ	: આપણી લોકસંસ્કૃતિ
યાજ્ઞિક, હસુ (સં.)	: લોકસાહિત્યના મમકા ૧ થી ૧૪
સૌરાષ્ટ્રની પછાત કોમો	: પ્રકાશન : સૌરાષ્ટ્ર રચનાત્મક સમિતિ
જાદવ, જોરાવરસિંહ	: મનોરંજન કરાવનારી લોક જાતિઓ - ગુજરાતનો લોકકલા-વૈભવ : આપણા લોકમેળાઓ - લોકજીવનનાં મોતી
મહેતા, મૃદુલાબેન	: આપણા વ્રતો અને ઉત્સવો
પરમાર, ખોડીદાસ	: લોકભરત
રાઠોડ, રામસિંહ	: કચ્છનું સંસ્કૃતિ દર્શન
શર્મા, ગોવર્ધન	: કચ્છ લોક અને સંસ્કૃતિ
શુક્લ, હરકાંત	: ગુજરાતના સાંસ્કૃતિક પ્રવાહો
ઈનામદાર, પી. એમ.	: ગુજરાતનો હસ્તકલા ઉદ્યોગ
સેદાણી, હસુતાબેન	: ગુજરાતની લોકસંસ્કૃતિ
Marg. Dec. 1959 Vol, XIII-Folk Dances	
Marg. March, 1964, Vol. XVII, Embroidary.	

Paper VII

(Second Subsidiary)

(Glimpses of Indian Culture ; Medieval and Modern Period)

Unit 1 :

1. Spread of Islam in India
2. Salient features of Islam in India
3. Social and economical life during the Sultanate Period
4. Religion and art during the Sultanate Period

Unit 2 :

1. Administrative system of the Mughals
2. Social, religious and economical life during the Mughal Period
3. Literature and art during the Mughal Period
4. Synthesis of Hindu and Muslim Culture in the spheres of society, religion and art

Unit 3 :

1. Factors and features of Bhakti Movement

2. Sainly tradition of Northern india
3. Sainly tradition of Gujarat and Maharashtra
4. Impacts of Bhakti Movement

Unit 4 :

1. Establishment of british paramountancy in India (1757--1857)
2. Administrative policy of Britishers :
 - Commercial policy
 - Revenue policy
 - Educational policy
3. Administrative policy of Britishers :
 - Road and Transport policy
 - Policy to Indian princely states
 - Administrative service policy
4. Impact of Western the Civilization on Indian religion, literature and science

Unit 5 :

1. Renaissance of the 19th century in India : Brahmo Samaj--Prarthana Samaj--Arya Samaj--Theosophical Society--Ramkrishna Mission
2. The probality of the synthesis of East and West
3. Impact of the Gandhian thoughts on Indian life
4. Cultural achievements of the Post--independent India

Books Recommended

Saiyid, Abdulbhai	: India during Muslim Rule
Aziz, Ahmed	: Islamic Culture in the Indian Environment, (O.U.P)
M. Mujid	: The Indian Muslim
Yusuf Husain	: Glimpscs of Medieval Indian Culture
Chopra, L. N.	: Some Aspects of Society and Culture in Mughal age.
आचार्य चतुर्सेन	: भारत में ईस्लाम
दिनकर, रामघारिसिंह	: भारतीय संस्कृति के चार अध्याय
विद्यालंकार, सत्यकेतु	: भारतीय संस्कृति और उसका इतिहास
नायक, छोटेदुर्भाई २.	: 'मध्यकालीन भारत', भाग-२
परीष, प्रवीणचंद्र	: भारतનો सांस्कृतिक इतिहास, ई.स. १०००-१८१८
सेन, क्षितिमोहन	: मध्ययुगની સાધનાધારા (અનુ. જયંતીલાલ આચાર્ય)
नडे़, जवाहरदादा	: मारा स्वप्ननुं भारत
मशरुवादा, किशोरदादा	: गांधी विचारदोहन
यावडा, विजयसिंह	: भारतीय संस्कृतिनी जलक-मध्यकाल-अर्वाचीनकाल - गुज. युनि. प्रकाशन
परीष, प्रवीणचंद्र	: भारतीय संस्कृति : स्वरूप अने विकास - युनि. ग्रंथनिर्माणा बोर्ड

History - Paper - III

Optional

History of India : 650 A.D. to 1206 A.D.

In force from June 2004

Unit-1

- (a) Sources and their interpretation;
 - (i) Archeology, (ii) Epigraphy, (iii) Numismatics, (iv) literature
- (b) The political condition of India before the establishment of the Rajput era.

Unit-2 Polity :

- (i) Arab invasion
- (ii) Political developments : nature of regional politics with special reference to Pratiharas, Palas, Rashtrakutas, Cholas.
- (iii) Ghaznavid and Gharid invasions : nature and impact.

Unit-3 Economy during Rajput Period :

- (i) Revenue system.
- (ii) Urban centres, trade and commerce.

Unit-4 Society :

- (i) Social condition
- (ii) status of women
- (iii) educational ideas and institutions

Unit-5 Culture :

- (i) Literature - rise and growth of regional languages.
- (ii) Art, architecture, painting, sculpture, crafts.

Unit-6 :

- (a) Schools of philosophy and religious cults.
- (b) Science and technology.

Books For Reference

- Majumdar R.C. : The Age of Imperial Kanauj - The History and Culture of the Indian people vo1. IV The struggle for Empire vo1. V. Advanced History of India
- Buddha prakash : Aspect of Indian History & civilization.
- Dr. Ishvaraprasad : Medieval India.
- Smith V. A. : The early History of India,
- Dr. R.S. Tripathi : History of Kanauj.

ગુજરાતી

- ડૉ. નાયક છોટુભાઈ : મધ્યયુગની ભારત, ખંડ-૧
- શાહ સુમના સ. : ભારતીય ઇતિહાસની સાધનસામગ્રી
- પરીખ પ્રવીણ સી. : ભારતનો સાંસ્કૃતિક ઇતિહાસ
- ડૉ. આચાર્ય એન. એ. : ગુજરાતનો સાંસ્કૃતિક ઇતિહાસ
- ડૉ. ચાવડા વિજયસિંહ : ભારતનો સાંસ્કૃતિક ઇતિહાસ

હિન્દી

- ઓઝા ગૌરીશંકર : રાજપૂતાના કા ઇતિહાસ
- ડૉ. સત્યપ્રકાશ : ભારતવર્ષકા ઇતિહાસ - રાજપૂતકાલ
- ડૉ. અવસ્થી અવઘ બિહારીલાલ : રાજપૂત રાજવંશ
- ડૉ. પાઠક - વિશુધ્ધાનંદ : ઉત્તર ભારતકા રાજનીતિક ઇતિહાસ
- ડૉ. નાહર રતિભાનુસિંહ : પ્રાચીન ભારતકા રાજનૈતિક એવમ સાંસ્કૃતિક ઇતિહાસ

History - Paper - III

Optional

History of India : 1206 A.D. to 1526 A.D.

In force from June - 2004

Unit-1 :

- (a) Sources : and their interpretation.
 - (i) Archeology
 - (ii) Epigraphy
 - (iii) Numismatics
 - (iv) literature.
- (b) The political, social and cultural conditions of India on the eve of the establishment of the Delhi sultance.

Unit-2: Polity :

- (a) Kutubbuddin Aibak, Razia Sultana, Reforms of Ala-ud-din-Khilji and planning of Muhammad Tughlaq and first battle of Panipat and its impact. (1526).
- (b) Political structure (1206 to 1526) central, Provincial, District, taluka and village administration.

Unit-3 : Economy during sultanate period:

- (a) Revenue system
- (b) Urban centres, trade and commerce.

Unit-4 : Culture and religion :

- (a) Sufi movement and Bakti movement
- (b) Sultanate architecture
- (c) Literature : Persian and indigenous.

Unit-5 : Vijaynagar :

- (a) Krishnadevray and his achievements.
- (b) Polity - Administration.
- (c) Economic condition.
- (d) Social life, culture, literature, and religious life.

Suggested readings

1. Majmudar R. C. : The History and culture of the Indian people - Delhi sultanate vo 1. VI Bharatiya Vidya Bhavan.
2. Sir Haig woolsey : Cambridge History of India vol. III
3. Sir Lane Poole stanley : Medieval India
4. Dr. Ishwari Prasad : A short History of Muslim Rule in India
5. Bhargava V. S. : Medieval Indian History & Institutions
6. Dr. Tripathi R. S. : Some Aspects of Muslim Administration
7. Dr. A. L. Shrivastava : The Delhi sultanate
8. Jackson, P. : The Delhi sultanate (Cambridge University press circulated through Foundation press. Delhi, 1999).

ગુજરાતી

૧. ડૉ. છોટુભાઈ નાયક : મધ્યયુગીન ભારત ખંડ-૨
૨. ડૉ. શુકલ જયકુમાર આર. : સલ્તનત, યુગલ અને મરાઠા સમયના રાજકીય સિધ્ધાંતો અને સંસ્થાઓ
૩. પરીખ પી. સી. : (૧) ભારતનો સાંસ્કૃતિક ઇતિહાસ
(૨) મધ્યકાલીન ભારતમાં આર્થિક જીવન અને સંગઠન
૪. આચાર્ય ન. આ. : ભારતમાં વૈષ્ણવધર્મ અને શક્તિ સંપ્રદાય.

હિન્દી

૧. ડૉ. શ્રી વાસ્તવ એસ : દિલ્હી સલ્તનત
૨. ડૉ. કૌલેશ્વર રાય : દિલ્હી સલ્તનત
૩. ડૉ. ભાર્ગવ વી. એસ. : મધ્યકાલીન ભારતીય ઇતિહાસ એવં સંસ્થાએ
૪. લુનિયા બી. એન. : પૂર્વ મધ્યકાલીન ભારતકા રાજનૈતિક એવમ્ સાંસ્કૃતિક ઇતિહાસ
૫. ડૉ. મહાજન વિદ્યાધર : દિલ્હી સલ્તનતકા ઇતિહાસ

૬. ડૉ. શર્મા મથુરાલાલ : દિલ્હી સલતનત
૭. ડૉ. મદન પરમાત્મા : પ્રાચીન વ મધ્યકાલીન ભારત
૮. શર્મા એલ. પી. : મધ્યકાલીન ભારતકા ઇતિહાસ

History - Paper - IV

History of Modern Europe (1815 A.D. to 1950 A.D.) optional

In force from June - 2004

Unit-1 :

- (a) Congress of Vienna - concert of Europe work and causes of its failure.
(b) French Revolutions of 1830 and 1840 and their impact on Europe.

Unit-2:

- (a) Unification of Germany
(b) Unification of Italy.
(c) Bismarck's Domestic and foreign policy (1862-1890)

Unit-3:

- (a) Causes and results of World War-I (1914-1918)
(b) Treaty of Versailles, minor treaties of st. German, Trianon and serves.
(c) Lenin and New Economic policy.
(d) Causes for the failure of League of Nations.

Unit-4 :

- (a) Rise of Fascism in Italy - Benito Mussolini-social, cultural and Economic effects of Fascist administration.
(b) Rise of Nazism in Germany : The weimer Republic - Hitler as a leader of Nazi Germany - Social, cultural and Economic transformation of Germany (1919-1939).

Unit-5 :

- (a) Causes and results of World War II (1939-1945) :
(b) United Nations (U.N.) - Aims - organs - Achievements and Limitations.

Suggested Readings

1. Marriot J.A.R. : History of Europe (1815-1939)
2. Grants & Temporry : Europe in the 19th & 20th Centuries (1789 to 1950)
3. Hazon C.D. : Modern Europe up to 1945.
4. Lip son E. : Europe in the 19th & 20th centuries.
5. Roberts : History of Europe.
6. Ketelby C.D.M. : A History of Modern Times from 1789.
7. Hays : Contemporary Europe since 1815.
8. Thompson David : Europe since Napoleon.
9. Wood, Anthony : History of Europe, 1815-1960.
10. ભટ્ટ દેવેન્દ્ર પ્ર. : યુરોપનો ઇતિહાસ, ગ્રંથનિર્માણ બોર્ડ
11. દેસાઈ કીકુભાઈ ર. (અનુવાદક) : યુરોપનો ઇતિહાસ ભાગ-૧, ૨, ૩, ગ્રંથનિર્માણ બોર્ડ
12. રાવલ એલ. આર. : આંતરરાષ્ટ્રીય સંબંધો ભાગ-૨, ગ્રંથનિર્માણ બોર્ડ
13. પટેલ મંગુભાઈ આર. : આંતરરાષ્ટ્રીય સંબંધો ભાગ-૨, ગ્રંથનિર્માણ બોર્ડ
14. શુક્લ ડૉ. જયકુમાર આર. : રશિયાનો ઇતિહાસ, ગ્રંથનિર્માણ બોર્ડ
15. શેઠ સુરેશ ચી. : વિશ્વની ક્રાંતિઓ - ગ્રંથનિર્માણ બોર્ડ
16. ચૌહાણ દેવેન્દ્રસિંહ : યુરોપકા ઇતિહાસ, મધ્યપ્રદેશ ગ્રંથ અકાદમી

History - Paper - IV

History of Modern Russia.

(1905 to 1988 A.D.) optional

In force from June 2004

Unit-1:

- (i) Russo-Japan War-1904-1905,
Defeat of Russia - Treaty of Portsmouth results of the war.
- (ii) Revolution of 1905 and its impact.

Unit-2 :

- (i) Causes of the failure of the working of the Dumas (Parliaments.)
- (ii) Causes of the Bolshevic (Communist) revolution of 1917 and its effects.

Unit-3:

- (i) New Economic policy of Lenin.
- (ii) Dictatorship of stalin - Five year plans and their achievements in the economic, social, educational and cultural fields.
- (iii) Constitution of 1936 and its main features.

Unit-4:

- (i) Soviet Union and the Second World War-Cold war-Soviet Russia and U.N.
- (ii) Development of communism & satelite states in Eastern Europe.
- (iii) Evaluation of Home and foreign policy of Nikita Khruchev.

Unit-5 :

- (i) Nikhail Gorbachov-his revolutionary constitutional reforms (1988) perestroika (peorganisation) and Glasnost (freedom of expression)
- (ii) Disintegration of soviet Russia (union)

Suggested Readings

- | | |
|---|---|
| 1. Bernard Pares | : 'History of Russia' (Jonathan Cape) |
| 2. L. Kochan- | : The Making of Modern Russia. |
| 3. George Vernadsky | : 'A History of Russia'. Yale University Press. |
| 4. Max Beloff | : 'The Foreign Policy of Soviet Russia'.(2 volumes) oxford. |
| 5. Nicholas V. Rissanovky | : 'A History of Russia' (oxford, New York, 1953). |
| 6. Foreign Languages
Publishing House,
Moscow, 1960 | : Outline History of U.S.S.R.' Relevant chapter) |
| 7. E.A. carr | : 'A History of Soviet Russia'. |
| 8. Louis Aregon | : 'A History of the U.S.S.R.' from Lenin to Khruschew. |
| 9. Moscow Publication | : 'A History of U.S.S.R.' (Three volumes). |
| 10. शुक्रल जयकुमार २. | : रशियानो इतिहास, ग्रंथनिर्माण बोर्ड |
| 11. डीकुभाई देसाई | : युरोपनो इतिहास |
| 12. ज्योर्ज वॉदस्फी | : रुसजा इतिहास |

History-Paper-V

History of India : 1526 A.D. to 1818 A.D.

In force from June-2004

Unit-1 :

- (a) Sources:
 - (i) Archaeological
 - (ii) Epigraphical
 - (iii) Numismatic
 - (iv) Literary
- (b) India on the eve of Babar's invasion - political and social condition.

Unit-2 Babar to Shershah :

- (a) Establishment of the Mughal rule.
- (b) Babarnama.
- (c) Reforms of Shershah.

Unit-3 : Akabar and his achievements :

- (a) Administration
- (b) Mansabdari system
- (c) Economic condition
- (d) Socio-religious reforms
- (e) Policy of sulh-i-kul

Unit-4: Jahangir, Shahjahan and Aurangzeb :

Nurjahan's influence on Jahangir-first trading centre of the English East India company at Surat (1613)

- (a) Shahjahan and his achievements.
- (b) Aurangzeb and the Mughal imperialism, his religious policy.
- (c) Decline of the Mughal Empire.

Unit-5 :

- (a) Literature, Art and Architecture during the Mughal period.

Unit-6: Shivaji :

- (a) Creation of Swaraj-estimate of shivaji as a ruler-his administration.

Unit-7 The Peshwas :

- (a) Achievements of Balaji Vishwanath Bajirao-I - Balaji - Bajrao
- (b) Causes and consequences of the third battle of panipat - causes of the defeat of Marathas
- (c) Peshwa madhavrao - Mahadji Sindia and Nana Fadanvis - Anglo - Maratha relations and the rise of the East India Company (1757-1818)
- (d) Decline of the Maratha Power.

Books for study

1. Sharma S. R. : Mughal Empire in India.
2. Iswari Prasad : The Mughal Empire.
3. Majumdar R.C. : (1) The Mughal Empire.
& Others (ed.) (2) The Maratha Supremacy Bhartiya Vidhya Bhavan.
4. Benerjee A.C. & Ghose D. K. : A Comprehensive History of India Vol -IX
5. Shrivastav M.P. : (1) Policies of the Mughals, 1978
(2) Social life under the Mughals, 1978.
6. Sardesai G.S. : New History of the Marathas, Vol I to III
7. Sen S.N. : Anglo-Maratha Relations (1785-1796)
8. Shrivastav A.L. : The Mughal Empire.
9. Singh Meera : Medieval History of India
10. W.H. Moreland : From Akbar to Aurangzeb - A study in Indian Economic History (London 1925)
11. Asher, Catherine : Architecture of Mughal India (Cambridge 1992)
13. परीष पी. सी. : भारतનો सांस्कृतिक ईतिहास, युनि. ग्रंथनिर्माणा बोर्ड

SYBA (Ext) 52

13. ડૉ. ધારૈયા આર. કે. : આધુનિક ભારતનો ઇતિહાસ ભાગ-૧, ૨, ગ્રંથનિર્માણ બોર્ડ
14. પટેલ જશુભાઈ પી. : ભારતનો ઇતિહાસ ૧૫૨૬-૧૭૦૭, યુનિ. ગ્રંથનિર્માણ બોર્ડ
15. ડૉ. શુકલ જયકુમાર આર. : સલ્તનત, મુઘલ તથા મરાઠા સમયના રાજકીય સિધ્ધાંતો અને સંસ્થાઓ, યુનિ. ગ્રંથનિર્માણ બોર્ડ.

Hisotry Paper-VII

Second Subsidiary

Main Currents of Cultural History of India

In Force From June 2004,

Unit-1 :

- (a) Indus Valley Civilization : Social, Economic and Cultrual contribution - Town Planning
(b) Society, economy, Polity and religion as reflected in Vedic literature
(c) Buddha and Mahavir, as reformers.

Unit-2 :

- (a) Ashok, Kanishka, Harshwardhan and the spread of Buddhism
(b) Cultrual achievements of the Guptas.

Unit-3 :

- (a) Contribution of the Pallavas, the Rashtrakutas and the Cholas to the Indian Culture
(b) Cultural achievements of the vijaynagar empire.

Unit-4 :

- (a) Impact of the Bhakti and sufi movements on the Indian Society.
(b) Religious policy of the Mughals with special reference to Akbar and Aurangzeb.

Unit-5 :

- (a) Socio - Regligious reforms movements in India during the 19th Century.
(b) Contribution of Tagore, Gandhi and Iqbal to Indian Culture.

Suggested readings

1. Mukherjee R.K. : The Gupta Empire.
2. Majumdar, R. : History and culture of the Indian people, Vols, I, II and III (Mumbai, (et.al.ceds.), 1974).
3. Thapar, Romila, : Ancient Indian Social History. Some interpretation. (Delhi, Orient Longman, 1984)
4. Huntington, S. and John C. Huntington, : The Art of India : Buddhist, Hindu, Jain (New York, Weathehill, 1985)
5. નેહરુ જવાહરલાલ : મારું હિંદનું દર્શન
6. પરમાર થોમસ : ભારતીય સંસ્કૃતિની ઝલક - ગુજરાત યુનિવર્સિટી
7. પરીખ પી. સી. : ભારતનો સાંસ્કૃતિક ઇતિહાસ - ગ્રંથનિર્માણ બોર્ડ
8. શાસ્ત્રી હરિપ્રસાદ : પ્રાચીન ભારત ભાગ-૧, ૨
9. શાસ્ત્રી હરિપ્રસાદ : હડપ્પા અને મોંહે-જો-દડો
10. મજમુદાર આર. જી. : ગુપ્તકાલીન ભારત - ગ્રંથનિર્માણ બોર્ડ
12. ધારૈયા આર. કે. : આધુનિક ભારતનો ઇતિહાસ અને ભારતના સ્વાતંત્ર્ય સંગ્રામો ભાગ-૧, ૨ યુનિ. ગ્રંથનિર્માણ બોર્ડ
13. જશુભાઈ બી. પટેલ : ભારતના સાંસ્કૃતિક ઇતિહાસના મુખ્ય પ્રવાહો.

POLITICAL SCIENCE

(To be effective from June 2003)

(Principal Subsidiary/Second Subsidiary)

(Principal and Subsidiary)

Paper III : Government and Politics of India (ભારતીય સરકાર અને રાજકારણ)

(Principal and Subsidiary)

Paper IV : Theory and Practice of Democratic Government

(લોકશાહી સરકાર : સિધ્ધાંત અને વ્યવહાર)

(Principal and Subsidiary)

Optional Paper IV : (Paper Four) **World Revolutions** (વિશ્વક્રાંતિઓ) (Principal/Subsidiary)

Paper V : International Relations (આંતરરાષ્ટ્રીય સંબંધો) (Principal-Main)

Paper VII : Introduction To democratic Theory (લોકશાહી સિદ્ધાંતનો પરિચય) (Second Subsidiary)

Political Science

Paper III : Government and Politics of India

(Principal/Subsidiary)

1. The making of India's constitution and its Sources
2. Basic Features of Indian Constitution.
3. Preamble-Fundamental Rights and Duties-Directive Principles of State Policy.
4. Union Government : President-Parliament-Cabinet and Prime Minister.
5. The State Government : Governor, Council of Ministers and the Chief Minister.
6. Center-State Relations.
7. Supreme Court and Constitutional Process
8. Political Parties-National and Regional Parties.
9. The Election Commission and Electoral Reforms.
10. Major issues in Indian politics.
(1) Caste (2) Religion (3) Language (4) Region (5) Poverty-Alleviation.

Paper III : Government and Politics of India (ભારતીય સરકાર અને રાજકારણ)

૧. ભારતના બંધારણનું ઘડતર-ઉદ્ભવ સ્થાનો કે સ્ત્રોતો-
૨. ભારતીય બંધારણનાં મૂળભૂત લક્ષણો
૩. આમુખ, મૂળભૂત અધિકારો અને ફરજો-રાજ્યનીતિના માર્ગદર્શક સિદ્ધાંતો
૪. સંઘ (કેન્દ્ર) સરકાર : રાષ્ટ્રપ્રમુખ-સંસદ-પ્રધાન મંડળ અને વડાપ્રધાન.
૫. રાજ્ય સરકાર : રાજ્યપાલ-પ્રધાનમંડળ-મુખ્ય મંત્રી
૬. સંઘ સરકાર અને રાજ્ય સરકાર વચ્ચેના સંબંધો
૭. સર્વોચ્ચ અદાલત અને બંધારણીય પ્રક્રિયા
૮. રાજકીય પક્ષો-રાષ્ટ્રીય અને પ્રાદેશિક પક્ષો
૯. ચૂંટણીપંચ અને ચૂંટણી-સુધારા.
૧૦. ભારતીય રાજકારણના મુખ્ય પ્રશ્નો
(૧) જ્ઞાતિ (૨) ધર્મ (૩) ભાષા (૪) પ્રદેશ (૫) ગરીબી-નિવારણ.

Paper III : Government and Politics of India

Ref. Books :

1. Arona B. and Verney D. V. (Eds.) : Multiple Identities in a single state : Indian Federalism in a comparative Perspective, Delhi, Konark, 1995.
2. Austin G. : The Indian constitution : Corner stone of a Nation, Oxford, Oxford University Press, 2000.
3. Aiyar S. P. and Mehta U. (Eds.), Essays on Indian Federalism, Bombay, Allied Publishers, 1965.
4. Basu D. D., : An Introduction to the constitution of India
5. Brass Paul : Politics of India Since Independence, 2nd Edn., Cambridge, Cambridge University Press, 1994.
6. Caste-Faction and Party in Indian Politics
7. Jayal N. G. (Ed.), Democracy in India, Delhi, Oxford University Press, 2001.
8. Kohli Atul, : Democracy and Discontent : India's Growing crisis of Governability, Combridge, Combridge, University Press, 1991.
9. Kothari Rajani, Palitics in India, New Delhi, Orient Longman, 1970.
10. Morris Jones W. H., : Government and Politics in India, Delhi, B Publications, 1974.
11. Palmer N. D. : The Indian Political System
12. Palmer N. D. : Election in India : Its Social Basis, Calcutta, KP Bagchi, 1982.

13. Roy M. P. : Bharatiya Rajaniti avam Shasan-(Hindi), College Book. Depo., Jaipur.
14. Sheth Pravin / Desai K. C., Bharat No Bandharaniya Vikas.
15. Shukla Dinesh : Bharatiya Rajkaran Ki Rooprekha.
16. Singh M. P. and Roy H. (Eds.), : Indian Political System : Structure, Policies, Development, New Delhi, Jnanada Prakashan, 1995.
17. Sathyamurthy T. V., : Social change and Political Discourse in India : Structures of Power, Movements of Resistance, 4 Vols, Oxford, Oxford University Press 1996.

અંગ્રેજી ભાષાનાં પુસ્તકો ઉપરાંત ગુજરાતી પુસ્તકો :

રોય એમ. પી. : ભારતીય રાજનીતિ એવમ્ શાસન (હિન્દી), જયપુર, કોલેજ બુક ડેપો.

શેઠ પ્રવીણ અને દેસાઈ કે. સી. : ભારતના બંધારણીય વિકાસનો ઇતિહાસ, (ગ્રંથ નિર્માણ બોર્ડ, ગુજરાત રાજ્ય)

શુક્લ દિનેશ અને અમીન હસમુખ : ભારતીય રાજકારણની રૂપરેખા, (ગ્રંથ નિર્માણ બોર્ડ, ગુજરાત રાજ્ય)

સંઘવી દેસાઈ અને ગાંધી : સ્વરાજ્યદર્શન-જ્ઞાન ગંગોત્રી ગ્રંથ શ્રેણી-૫ (સ. પ. યુનિ.)

જોહરી જે.સી. : ભારતીય રાજનીતિ (હિન્દી)

કોઠારી રજની : ભારતીય રાજકારણ (અનુ.) શેઠ અને શુક્લ, (ગ્રંથ નિર્માણ બોર્ડ, ગુજરાત રાજ્ય).

Political Science--Paper IV

Theory and Practice of Democratic Government. (Principal/Subsidiary)

1. Democracy-Definition-Meaning-Types of Democracy-Values of Democracy
 - (a) Difference between Direct and Indirect Democracy
 - (b) Means of Direct Democracy
 - (c) Relation between state and Individual in Democratic and Non-Democratic States
2. (a) Democracy as a way of life and as best form of Government
 - (b) Economic, Social, Political and Industrial Democracy
3. (a) Concept of Majority rule and its Limitations. Idea of Tyranny of Majority
 - (b) Will or consent as the Basis of the Political Power
 - (c) Concept of Tolerance
 - (d) Electoral System-Meaning-Types and Importance
4. (a) The Relation between Legislature and Executive in the Parliamentary and Presidential Democracy
 - (b) Fundamental Rights-Meaning-Importance and Safeguards of the Fundamental Rights
5. Importance and Independence of Judiciary in Democracy.
 - (a) Political Parties-Meaning-Types of Political Parties
 - (b) Characteristics and Functions of Political/Parties
6. Limitations of Democracy
 - (a) Merits and Demerits of Democracy
 - (b) Dictatorship-Meaning-Merits and Demerits of Dictatorship-Attractions of Dictatorship
 - (c) Political Ideologies Against Democracy-Fascism and Communism
7. Public Opinion-Meaning-Means of Public opinion.

Paper IV : Theory and Practice of Democratic Government

(Second Subsidiary)

લોકશાહી સરકાર-સિદ્ધાંત અને વ્યવહાર

૧. (a) લોકશાહી-વ્યાખ્યા અને અર્થ-પ્રકારો-લોકશાહીનાં મૂલ્યો
- (b) પ્રત્યક્ષ અને પરોક્ષ લોકશાહી વચ્ચેનો તફાવત
- (c) પ્રત્યક્ષ લોકશાહીના સાધનો
- (d) લોકશાહી અને બિન લોકશાહી રાજ્યોમાં વ્યક્તિ અને રાજ્ય વચ્ચેના સંબંધો.

૨. (a) જીવન જીવવાની પ્રણાલી તરીકે અને સરકારના શ્રેષ્ઠ પ્રકાર તરીકે લોકશાહી.
(b) આર્થિક-સામાજિક-રાજકીય અને ઔદ્યોગિક લોકશાહી.
૩. (a) બહુમતી શાસનનો ખ્યાલ-તેની મર્યાદાઓ-બહુમતીની જુલમશાહીનો ખ્યાલ
(b) રાજકીય સત્તાના આધાર તરીકે સંમતિ
(c) સહિષ્ણુતાનો ખ્યાલ
(d) કાયદાનું શાસન અને મર્યાદાઓ
(e) ચૂંટણી પ્રથા-અર્થ-મહત્ત્વ-પ્રકારો
૪. (a) સંસદીય અને પ્રમુખીય લોકશાહીમાં ધારાસભા અને કારોબારી વચ્ચેના સંબંધો
(b) મૂળભૂત અધિકારો-અર્થ-મહત્ત્વ અને મૂળભૂત અધિકારોના રક્ષણની જોગવાઈઓ.
૫. (a) લોકશાહીમાં ન્યાયતંત્રનું મહત્ત્વ-ન્યાયતંત્રની સ્વતંત્રતા
(b) રાજકીય પક્ષો-અર્થ-પ્રકારો-લાક્ષણિકતાઓ અને કાર્યો.
૬. લોકશાહીની મર્યાદાઓ :
(a) લોકશાહીના ગુણ-દોષ
(b) સરમુખત્યારશાહી-ગુણ-દોષ-આકર્ષણો
(c) લોકશાહી વિરોધી વિચારધારાઓ ફાસિવાદ અને નાજીવાદ.
૭. જાહેરમત-અર્થ-તેના ધડતરના સાધનો.

Paper IV : Theory and Practice of Demaratic Government

લોકશાહી સરકાર : સિધ્ધાંત અને વ્યવહાર

Ref. Books :

1. Acharya Javedekar, Lokashahi, Anuvada by Pandurang-Deshpandey.
2. Allen C. K., : Democracy and Individual
3. Bryce James : Modern Democracy Volume I, II, 1962.
4. Dunleavy and Leary B.O., Theories of liberal Democratic state, London, Macmillan, 1987.
5. Field G. C. : Political Theory
6. Laski H. J., : Grammer of Politics
7. Mayo Henry, An Introdudian to Democratic Theory
8. Maciver R. M., : The Modern state
9. Pandya Harmakh J., : Lokashahi Rajya Vyavastha Tatva and Vyavahar (Gujarati)
10. Pathak/Pandya, Rajyashastra Parichaya Part II (Gujarati)
11. Pancholi Manubhai, Democracy (Gujarati)
12. Sanghavi, Desai, Gandhi, Swarajya darshan, (Rajkaran), (Gujarati), 1969,

અંગ્રેજી ભાષાનાં પુસ્તકો ઉપરાંતનાં ગુજરાતી પુસ્તકો :

પંડ્યા હસમુખ જે. : લોકશાહી રાજ્ય વ્યવસ્થા તત્ત્વ અને વ્યવહાર, ગ્રંથ નિર્માણ બોર્ડ, ગુજરાતરાજ્ય

પંચોલી મનુભાઈ : લોકશાહી, બાલગોવિંદ પ્રકાશન, અમદાવાદ.

સંઘવી નગીનદાસ : લોકશાહીના સિદ્ધાંતો, વોરા એન્ડ કંપની

શાહ જયંત (અનુ.) : લોકશાહી અને તેના હરીફો, વોરા એન્ડ કંપની

શુક્લ હરકાન્ત : લોકશાહીના સિદ્ધાંતો અને પદ્ધતિઓ, બાલગોવિંદ પ્રકાશન, અમદાવાદ.

OR

Optional Paper IV : World Revolutions

(વિશ્વક્રાંતિઓ)

Principal-Subsidiary

1. Concept of revolutions-Types of Revolutions, Causes of Revolution-Characteristics and Problems of Revolution
2. *Bloodless Revolution of England (1688-A. D.)-causes and effects

3. American Revolution (1776, A. D.)
 - (a) Causes and results of Revolution
 - (b) Major events of Revolution
 - (c) Contribution of George Washington.
4. French Revolution (1789-A. D.)
 - (a) Causes and effects of Revolution
 - (b) Major Events of Revolution
5. Communist Revolution of Russia- (1917-A. D.)
 - (a) Causes and Effects of Revolution
 - (b) Major events of Revolution
 - (c) Contribution of Lenin.
6. Communist Revolution of China- (1949-A. D.)
 - (a) Causes and Effects of Revolution
 - (b) Contribution of Mao-Tse-Tung.

Political Science : Optional-Paper IV

World Revolutions

(Principal/Subsidiary)

રાજ્યશાસ્ત્ર વૈકલ્પિક પેપર ૪

વિશ્વક્રાંતિઓ

૧. ક્રાંતિ-વિભાવના-પ્રકારો-ક્રાંતિ માટેના કારણો-લાક્ષણિકતાઓ અને સમસ્યાઓ.
૨. ઈ.સ. ૧૬૮૮ની ઈંગ્લેંડની રક્તવિહિન ક્રાંતિ-કારણો-(પરિબળો) અને અસરો.
૩. ઈ.સ. ૧૭૭૬ની અમેરિકાની ક્રાંતિ
 - (૧) ક્રાંતિના કારણો અને પરિણામો (અસરો)
 - (૨) ક્રાંતિના નોંધપાત્ર બનાવો
 - (૩) જ્યોર્જ વોશિંગ્ટનનું પ્રદાન.
૪. ઈ.સ. ૧૭૮૯ની ફ્રાન્સની ક્રાંતિ-
 - (૧) ક્રાંતિના કારણો અને પરિણામો
 - (૨) ક્રાંતિની મહત્વની ઘટનાઓ.
૫. ઈ.સ. ૧૮૧૭ની રશિયાની સામ્યવાદી ક્રાંતિ
 - (૧) ક્રાંતિના કારણો-(પરિણામો) અને અસરો
 - (૨) નોંધપાત્ર બનાવો-ઘટનાઓ.
 - (૩) લેનીનનું પ્રદાન.
૬. ઈ.સ. ૧૯૪૯ની ચીનની સામ્યવાદી ક્રાંતિ-
 - (૧) ક્રાંતિના કારણો અને પરિણામો (અસરો)
 - (૨) માઓ-ત્સે-તુંગનો ફાળો.

Ref. Books :

1. Brinton Crane, The Anatomy of Revolution, New York, Vintage Books, 1952.
2. Calvert Peter, Study of Revolution, New York, Oxford University Press, 1970.
3. Desai Mahendra T., Russian Revolution (In Gujarati) Gujarat University state Text-book Production Board, Ahmedabad, 1995
4. Dr. Dharaiya and Kazi, Adhunik Jagat ni Krantio, C. Jamanadas, Ahmedabad.
5. Gutam K. D., : Purva and Pashchim Asia Ka Itihcs, (Adhunik Kal) (Hindi).

6. Kumar K.: Revolution : The Theory and Practice of European Idea, London, Weidenfeld and Nicolson, 1971
7. Lodge, A History of Modern Europe
8. Mazlish B., Kaledin A. D., and Ralstan D. B., (Eds.), Revolution : A Reader, New York, Macmillan, 1971.
9. Palmer R. R., : A History of Modern world
10. Sheth Suresh., Vishwani Krantio, University Granth Nirman Board, Ahmedabad.
11. Skocpol T., State and Social Revolutions : A Comparative Analysis, Combridge, Cambridge University Press, 1926
12. Swan, A History of World Civilization
13. Viswa Darshan : (Kranti) Gnyan Gangotri Granth Shreni No. 12, Sardar Patel University, Vallabh Vidhyanagar.

અંગ્રેજી ભાષાનાં પુસ્તકો ઉપરાંતના ગુજરાતી પુસ્તકો :

દેસાઈ મહેન્દ્ર ઠા. : ‘રશિયન ક્રાંતિ’, (ગ્રંથ નિર્માણ બોર્ડ, ગુજરાત રાજ્ય).

પાઠક અને અન્ય : ‘વિશ્વદર્શન-૧ (ક્રાંતિ)’, જ્ઞાનગંગોત્રી ગ્રંથ શ્રેણી નં. ૧૨ (સ. પ. યુનિ.)

દવે નવનીત : ‘અમેરિકન ક્રાંતિ’ (ગ્રંથ નિર્માણ બોર્ડ, ગુજરાત રાજ્ય).

દવે રોહિત અને અન્ય : વિચાર દર્શન (જ્ઞાનગંગોત્રી શ્રેણી)

ધારૈયા આર. કે. અને કાઝી સલીમ : ‘આધુનિક જગતની ક્રાંતિઓ’, અમદાવાદ, સી. જમનાદાસ પ્રકાશન.

શેઠ સુરેશ : ‘વિશ્વની ક્રાંતિઓ’ (ગ્રંથ નિર્માણ બોર્ડ, ગુજરાત રાજ્ય).

Political Science - Paper V

International Relations (આંતરરાષ્ટ્રીય સંબંધો)

Principal (મુખ્ય)

1. International Relations-The Concept and Dimensions
2. The Scope of International Relations
3. The concept of Balance of Power
4. Colonialism and Imperialism
5. Nationalism-National Liberation Movements in Asian and African Continents
6. Power and Justice
7. First World War-Causes and Effects
Second world war-Causes and Effects.
8. Cold-War-Various Stages of Cold-War and Detente-Post-Cold- War World Order.
9. United Nations-Political and Non-political Organs-Disarmament.

Political Science - Paper V

International Relations (આંતરરાષ્ટ્રીય સંબંધો)

Principal (મુખ્ય)

૧. આંતરરાષ્ટ્રીય સંબંધો-ખ્યાલ અને પરિમાણો.
૨. આંતરરાષ્ટ્રીય સંબંધોનું કાર્યક્ષેત્ર.
૩. સત્તાની સમતુલાનો સિદ્ધાંત
૪. સંસ્થાનવાદ અને સામ્રાજ્યવાદ.

૫. રાષ્ટ્રવાદ-એશિયા અને આફ્રિકા ખંડમાં ચાલેલી-રાષ્ટ્રીય મુક્તિની ચળવળો.
૬. સત્તા અને ન્યાય.
૭. પ્રથમ વિશ્વયુદ્ધ-કારણો અને અસરો
બીજું વિશ્વયુદ્ધ-કારણો અને અસરો.
૮. ઠંડુ યુદ્ધ : વિવિધ તબક્કાઓ-સંબંધ-સુધાર (દેતાં) કે તનાવ-શૈથિલ્ય-ઠંડા યુદ્ધ પછીની વિશ્વવ્યવસ્થા
૯. સંયુક્ત રાષ્ટ્રસંસ્થા-રાજકીય અને બિન રાજકીય અંગો-નિ:શસ્ત્રીકરણ.

Ref. Books :

1. Anderson Peter J., : The Global Politics of Power, Justice and Death : An Introduction to International Relations, London and New York, Routledge, 1996.
2. Bull Hedley, The Anarchical Society : A Study of order in World Politics, London Macmillan, 1977.
3. Brown C., : International Relations Theory, London, Harvester wheatsheaf, 1975
4. Carr E. H. ; The Twenty Years Crisis, London, Macmillan, 1939
5. Joshi R. D., : Antar Rashtriya Sambandh (Gujarati)
6. Morgenthau H. J., : Politics Among Nations, 6th Edition, Revised by K.W. Thompson, New York, Alfred Knopf, 1985
7. Northedge F. S., The International Political System, London, Feber and Faber, 1976.
8. Olson W. C. and Groom A. J. R., International Relations : Then and Now, London Harper Collins, Academic, 1991.
9. Pandya Hasamukh J., Vishwa Rajkaran (Gujarati)
10. Patel Mangubhai R., Aanter Rastriya Sambanadho Part II.
11. Raval R. L. : Aanter Rastriya Sambandho, Part I.
12. Varma S. P. : International system and Third world.

અંગ્રેજી ભાષાનાં પુસ્તકો ઉપરાંત ગુજરાતી પુસ્તકો :

રાવલ આર. એલ. : આંતરરાષ્ટ્રીય સંબંધો ભાગ-૧, ગ્રંથ નિર્માણ બોર્ડ, ગુજરાત રાજ્ય

પટેલ મંગુભાઈ : આંતરરાષ્ટ્રીય સંબંધો ભાગ-૨, ગ્રંથ નિર્માણ બોર્ડ, ગુજરાત રાજ્ય

રાણા એ. પી. (અનુ.) ભટ્ટ સિદ્ધાર્થ : બિનજોડાણના આજ્ઞાર્થો, ગ્રંથ નિર્માણ બોર્ડ, ગુજરાત રાજ્ય

પંડ્યા હસમુખ : વિશ્વ રાજકારણ, ગ્રંથ નિર્માણ બોર્ડ, ગુજરાત રાજ્ય

બ્રહ્મભટ્ટ આર. ડી. : વિશ્વ રાજકારણ

જોશી આર. ડી. : આંતરરાષ્ટ્રીય સંબંધો.

Paper VII : Introduction To Democratic Theory (લોકશાહી સિદ્ધાંતનો પરિચય) :

(Second Subsidiary)

1. Democracy-Definition-Difference between direct and Indirect Democracy
Means of Direct Democracy
2. Historical Development of democracy in Britain, U.S.A. and France.
3. Basis of Democracy :
 - (a) Economic-Social-Political Democracy and Liberty.
 - (b) Consent as basis of Political Power.
 - (c) Concept of Tolerance in Democracy.
4. The concept of Majority Rule-Meaning-Limitations of Majority Rule-Tyranny of-Majority.
5. Ideologues against Democracy :
 - (a) Dictatorship - meaning - Attractions for Dictatorship - Difference between Dictatorship and Democracy.
 - (b) Democracy Vs Fascism.
 - (c) Democracy Vs Communism.
 - (d) Military Regimes-meaning-Merits and Demerits of Military Regime.

Paper VII : Introduction To Democratic Theory

SYBA (Ext) 59
(લોકશાહી સિધ્ધાંતનો પરિચય)
(Second Subsidiary)

૧. લોકશાહી-વ્યાખ્યા-અર્થ-પ્રત્યક્ષ અને પરોક્ષ લોકશાહી વચ્ચેનો તફાવત-પ્રત્યક્ષ લોકશાહીનો સાધનો.
૨. ઐતિહાસિક દૃષ્ટિએ બ્રિટન-અમેરિકા અને ફ્રાન્સમાં-થયેલ લોકશાહીનો વિકાસ.
૩. લોકશાહીના આધારો :
 - (૧) આર્થિક-સામાજિક-રાજકીય લોકશાહી અને સ્વતંત્રતા.
 - (૨) રાજકીય સત્તાના આધાર તરીકે સંમતિ
 - (૩) લોકશાહીમાં સહિષ્ણુતાનો ખ્યાલ
૪. બહુમતીશાસનનો ખ્યાલ-બહુમતી શાસનની મર્યાદાઓ-બહુમતી શાસનની જુલ્મશાહી.
૫. લોકશાહી વિરોધી વિચાર-ધારાઓ :
 - (૧) સરમુખત્યારશાહી-અર્થ-આકર્ષણો-લોકશાહી-સરમુખત્યારશાહી વચ્ચેનો ભેદ.
 - (૨) લોકશાહી વિરૂધ્ધ ફાસીવાદ
 - (૩) લોકશાહી વિરૂધ્ધ સામ્યવાદ
 - (૪) લશ્કરી શાસન-અર્થ-ગુણ-દોષ.

Ref. Books :

1. Field G. C. : Political Theory
2. Laski H. J. : Democracy in Crisis
3. Laski H. J. : A Grammar of Politics
4. Mayo Henry : An Introduction to Democratic Theory
5. Mill John Stuart : Considerations on Representative Government
6. Pandya Hasamukh J : Lokshahi Rajyavyavस्था and Tatwa Vyavahar, University Granth nirman Board, Ahmedabad.
7. Pancholi Manubhai : Lokshahi, Rajya Rang Shreni, 1987.
8. Pathak and Pandya : Rajya Shastra Parichaya Part I, II, Anada Prakashan, Gandhi Road, Ahmedabad.
9. Rejai M. : Democracy : The Contemporary Theories.
10. Sanghavi, Gandhi, Desai, Swarajya, Darashan, (Rajakaran), Sardar Patel, University, Vallabh Vidhyanagar, 1969.

અંગ્રેજી ભાષાનાં પુસ્તકો ઉપરાંત ગુજરાતી પુસ્તકો :

પંડ્યા હસમુખ જે. : લોકશાહી રાજ્યવ્યવસ્થા-તત્ત્વ અને વ્યવહાર, ગ્રંથ નિર્માણ બોર્ડ, ગુજરાત રાજ્ય

પંચોલી મનુભાઈ : લોકશાહી, બાલગોવિંદ પ્રકાશન, અમદાવાદ.

સંઘવી નગીનદાસ : લોકશાહીના સિદ્ધાંતો, વોરા એન્ડ કંપની

શાહ જયંત (અનુ) : લોકશાહી અને તેના હરીફો, વોરા એન્ડ કંપની

શુક્લ હરકાન્ત : લોકશાહીના સિદ્ધાંતો અને પદ્ધતિઓ, બાલગોવિંદ પ્રકાશન, અમદાવાદ.

ECONOMICS

(Effective from June, 2004)

Paper III—Principles of Economics (Micro--Economics)

I Consumer Behaviour : I Derivation of law of demand on the basis of utility--concept of indifference - curve--schedule--diagram--marginal rate of substitution. Assumption of indifference curve analysis -- characteristics of indifference curve -- concept of price -- line changers in price line : (location and slope)

II Consumer Behaviour : II Explanation of consumer's equilibrium (Marshall and Hicks)--Price--effect,

Income--effect and substitution effect--Giffin paradox--Consumer's surplus (Marshall and Hicks). Application of indifference--curve analysis in (a) Taxes and subsidies (b) Welfare (c) International economics--superiority of analysis of Hicks over the analysis of Marshall.

III Elasticity of demand and supply : Meaning of elasticity of demand : Price elasticity, income elasticity and cross elasticity--Types of price elasticity and income elasticity--methods of measurement of elasticity of demand : Outlay method, proportional method, and percentage method--Factors affecting elasticity of demand--Meaning of elasticity of supply.

IV Theory of production and cost : Meaning of production function--short--run production function : Law of variable proportion--longrun production function : meaning of iso--quant and iso--cost curve, Returns to scale and economics of scale--shortrun cost and Longrun cost--Break--even point (concept only).

V Perfect competition : Meaning and characteristics of perfect competition--Pure and perfect competition--short--run and long--run equilibrium of a firm under perfect competition.

VI Monopoly : Meaning, types and characteristics of monopoly--price--discrimination--its possibility and profitability--Evils of monopoly--Concept of monopsony and bilateral monopoly.

VII Imperfect Competition : Concept of imperfect competition (Mrs. Robinson) and monopolistic competition (Chamberlin)--Duopoly and Oligopoly (concept only)--Meaning and characteristics of monopolistic competition--short--run equilibrium and long--run equilibrium under monopolistic competition--selling cost and advertisement cost--Impact of selling cost on demand.

VIII Factor Pricing--I : (Micro Theory of Distribution) Micro and macro distribution marginal productivity theory of distribution--rent--Ricardian and modern theory of rent--Quasi-rent.

IX Factor pricing : II : Wages and Profit : Real and money wage--wage determination theories : Pigou collective bargaining--Meaning of Profit--Theories of Profit ; Risk, uncertainty, innovation and monopoly profits.

X Factor pricing--III--Interest : Meaning of interest--Natural and market rate of interest--Prime lending rate, structural rate of interest (concept only)--Theories of interest : classical theory, Loanable fund theory and liquidity preference theory.

* **Note :** Each topic carries 10% weightage in question--paper.

Paper--IV : Economy of Gujarat

I Introduction : What is region ? Why regional economics ? Different types of regions--Regional income, problem of estimation--indicator of regional development.

II Profile of Gujarat in the background of Indian economy : Population--State Domestic Product--Agriculture--Industry--Services--International trade.

III Demographic features of Gujarat : Trends in population since 1961 : Birth rate--Death rate--Infant--mortality rate--fertility rate--Longevity--Sex--ratio--literacy rate--age composition--Rural--urban distribution of population in Gujarat--Population policy of Government of Gujarat.

IV Agriculture : Brief historical survey of agriculture in Gujarat--Agro--climatic zones--Land utilisation and productivity--Crop--pattern--green revolution--irrigation ; Large, medium and minor irrigation--Sardar sarovar project--Agricultural produce marketing

VI Industry : A brief historical survey of industries in Gujarat--Industrial development in Gujarat after 1960--structural changes in industries of Gujarat : Textile industry, Diamond industry, Pharmaceutical industry, chemicals and dyestuff industry--Importance and development of small and cottage industries--Public sector in Gujarat ; problems and performance--Industrial policy of Government of Gujarat.

VII Infrastructure : I : Water--Energy--Transport--Telecommunications--Ports Importance, trends and policies regarding above mentioned sectors.

VII Infrastructure : II : Education--Health--Banking--Insurance--Importance, trends and policies regarding above--mentioned sectors.

VIII State--finance : Trends in income and expenditure of Government of Gujarat--Planning in Gujarat--Strategy of Planning and critical appraisal of 9th five year plan.

IX Co--operative Movement in Gujarat : Milk producing and marketing co-operatives white revolution--Industrial co-operatives--credit co-operatives--Urban co--operative banking : critical appraisal of above--mentioned co-operatives.

X Specific Issues : Economically backward areas in Gujarat--Poverty--Unemployment--Industrial and

agricultural labour--Coastal--agriculture pollution.

* **Note** : Each topic carries 10% weightage in question--paper.

Paper V

Paper No. V will have following options :

1. Mathematical Economics
2. Economics systems and Development

Any one paper from the above two papers is to be offered by the students.

The details of syllabus of the above--referred paper are as follows :

Paper V--(Optional)

Mathematical Economics

1. Basic Concepts : Variables, sets, functions, Equations, Identities, System of equations, Application of straight--line system, slope of the line, homogeneous function.

2. Calculus : Differentiation of a function; Maxima and Minima, Elasticities; equilibrium of a firm and consumer; Inter--relationships among total, marginal and average cost and revenues; Constrained optimization problem; integration of a function, consumer's and producer's surplus.

3. Matrix and Determinants : Various types of matrices, Determinants, Inverse of matrix, crammer's rule, Input--output analysis; simple static model, Linkages, concept of linear programming--Graphic method.

4. Introduction to statistics : Basic concepts; Population, sample, parameter, frequency distribution, cumulative frequency; graphic and diagrammatic representation of data, Techniques of data collection; sampling vs. Population, primary and secondary data.

5. Central Tendency and Dispersion : Measures of central tendency; Mean, Media, Mode, Geometric mean and Harmonic mean. Measures of dispersion; range, mean deviation, standard deviation, coefficient of variation, quartile deviation, skewness and Kurtosis.

6. Correlation Analysis : Correlation; simple, coefficient of correlation--Karl pearson and rank correlation, partial and multiple correlation analysis.

7. Regression Analysis : Regression analysis--Estimation of regression line in a bivariate distribution--Least squares method, interpretation of regression coefficients.

8. Time Series : Time series analysis--Concept and components--Determination of regular, trend and seasonal indices.

9. Index Numbers : Index numbers--Concept, price relative, quantity relative, value relative; Laspeyer's paasche's and Fisher, family budget method; problems in the construction and limitations of index numbers, Tests for ideal index number.

10. Probability and Distribution : Probability : Concept, rules of probability (Addition and multiplication); random variables, Mathematical expectations, Theoretical distribution--Binomial, Poisson and Normal : their properties and uses.

* **Note** : Each topic carries 10% weightage in question-paper.

Paper--V : (Optional)

Economic systems and Development

I Economics systems : Characteristics of economic system--concepts of feudalism and mercatalism.

II Capitalism : Economic institutions of capitalism : Private property, Inheritance, freedom of enterprise, competition and consumer's sovereignty--Strength and weakness of capitalism.

III Socialism : Features of socialism : Public ownership of property and means of production--centralised planning--limited role of market--communism : Origin and features.

IV Gandhian economic thought : Basic features of Gandhian economic thought with special reference to use of machines, principle of trusteeship, Gramswaraj and Sarvodaya--relevance of Gandhism.

V Growth and development : Meaning of progress, growth and development--Indicators of development; Per capita Income (with special reference to purchasing power parity), Physical quality of life index, Basic needs approach.

VI Sustainable Development : Concept and components relationship with natural resources.

VII Human Development : Concept--components : Equality, education, Health, poverty, gender perspective.

VIII Governance and Development : Difference between administration, management and governance-

-Accountability and transparency--Participatory development.

IX Human rights and development : Declaration of 1948--Provision in Indian constitution.

X Common property resources : Problems related with common properties like land, water and forests.

Note : Each topic carries 10% weightage in question--paper.

Economics Paper--VII (Second Subsidiary)

Some Problems of Indian Economy

I Agriculture : Importance of agriculture in Indian economy--Causes of low productivity in Indian agriculture--Role of hybrid seeds, fertilisers and irrigation in increasing productivity.

II Industry : Importance of industrial development--Objectives of developing public sector, performance of public sector units, problems of public sector units--small and cottage industries, problems and government policy.

III Population : Trends in population after 1951--Causes of rapid increase in population--effects--remedies.

IV Poverty : Meaning of poverty--Absolute and relative poverty--causes of poverty policy of the government for reducing poverty.

V Unemployment : Meaning of unemployment--Types of unemployment--causes of unemployment--policy of the government for solving unemployment problem.

* **Note** : Each topic carries 20% weightage in marks.

અર્થશાસ્ત્ર પેપર ૭—ભારતીય અર્થકારણની કેટલીક સમસ્યાઓ :

(૧) ખેતી : ભારતીય અર્થતંત્રમાં ખેતીનું મહત્ત્વ - ખેતીમાં નીચી ઉત્પાદકતાના કારણો અને ઉપાય તરીકે સુધારેલું બિયારણ - ખાતરો - સિંચાઈનો ફાળો.

(૨) ઉદ્યોગો :

* ઔદ્યોગિક વિકાસનું મહત્ત્વ

* જાહેર ક્ષેત્રના વિકાસના ઉદ્દેશો - કામગીરી - સમસ્યાઓ.

* નાના અને ગૃહ ઉદ્યોગો - મહત્ત્વ - સમસ્યાઓ - સરકારી નીતિ.

(૩) વસ્તી : ૧૯૫૧ પછી વસ્તી વૃદ્ધિના વલણો - વસ્તી વૃદ્ધિના કારણો - અસરો - ઉપાયો.

(૪) ગરીબી : અર્થ : નિરપેક્ષ - સાપેક્ષ ગરીબી - ગરીબીના કારણો - ગરીબી નિવારણની સરકારની નીતિ.

(૫) બેકારી : અર્થ - પ્રકારો - કારણો - સરકારની નીતિ.

નોંધ : દરેક પ્રકરણનો ભાર ૨૦ ટકા છે.

જૂન ૨૦૦૪થી અમલ કરવો

SOCIOLOGY--PAPER III

(Effective from June, 2004 onwards)

Paper III : Social Problems

1. Meaning, importance and types of social problems.
Social conformity : Meaning and Causes
Social deviation : Meaning and factors facilitating deviation.
2. Approaches to the study of social problems :
Social pathology; Social disorganizational Value conflict and Labelling.
3. Problem of National integration :
Communitism : Meaning, causes and remedies.
4. HIV / AIDS as a Social Problem : Meaning, causes and remedies. Role of NGOs for prevention of AIDS.
5. Exploitation of women : Dowry and Rape : Meaning, causes and remedies.
6. Social psychological Problem : Suicide; Meaning, types, causes and remedies.
7. Socio - economic Problem : Unemployment among educated youth. Meaning, types, causes and remedies.

Sociology — Paper - IV

આ પેપરની સમીક્ષા કરી તેને નવેસરથી તૈયાર કરવામાં આવ્યું છે.

Sociology of Tribal Society

1. Definition and scope of social Anthropology, Importance of social anthropology for the understanding. The concept of tribe; tribe and caste.

2. Demographic profile : habitat, distribution and concentration of tribal people, tribal zones, sex ratio, status of women.
3. Classification of tribal people : food gatherers and hunters, shifting cultivators, nomads, pastoralist, peasants and settled agriculturists, artisans.
4. Socio-cultural profile : ethnic and cultural diversity; characteristic features of tribal society, kinship, marriage and family, tribal languages, religious beliefs and practices.
5. Social mobility and change : Hinduization and Sanskritization formation of tribal states; the impact of colonial rule on tribal society.
6. Problems of tribal people : illiteracy, indebtedness, land alienation.
7. Tribal migration and its socio-economic impact (Special reference to Gujarat)
8. Reservation policy and its impact on tribal development.
9. Tribal communities of Gujarat : a brief introduction.

Essential Readings :

1. Bose : N. K. : (1967) Culture and Society in India (Asia Publishing house)
2. Desai, A. R. : (1979) Peasant struggles in India (Oxford University Press, Bombay)
3. Dube, S.C. : (1977) Tribal Heritage of India (Vikas : New Delhi)
4. Haimendorf, Christoph von : (1982) Tribes of India : The struggle for survival (Oxford University Press)
5. Hasnain, N : (1983) Tribes in India (Hamam Publications, New Delhi)
6. Rao, M.S.A. : (1979) Social Movements in India (Manbar Delhi)
7. Raza Moonis and A. Ahmad (1990) An atlas of Tribal India (Concept Publishing, New Delhi)
8. Sharma, Suresh, (1994) : Tribal Identity and Modern world (Sage : New Delhi)
9. Singh, K. S. : (1972) Tribal Situation in India (Indian Institute of Advanced Study)
10. Singh K. S. : (1995) The Scheduled Tribes (Oxford University Press : New Delhi)
11. Singh K. S. (1995) The Scheduled Tribes (Oxford University Press : New Delhi)
12. Jani Gaurang and Ganguli Vaesha : (2000) "Problem of Land Alienation Among Tribals of Gujarat" ADIVASI GUJARAT, Vd. 10 No. 22000, Gujarat Vidyapith Ahmedabad.
૧૩. ઉપાધ્યાય ચંદ્રકાન્ત અને ભીખાભાઈ એસ. : (૨૦૦૧)
આદિવાસીઓ : એક દૃષ્ટિકોણ (૧૯૯૧), આદિવાસી સંશોધન અને તાલીમ કેન્દ્ર ગુજરાત વિદ્યાપીઠ, અમદાવાદ
૧૪. જોષી વિદ્યુત : (૧૯૮૩) આ પણ ગુજરાત છે દોસ્તો સેન્ટર ફોર સોશલ સ્ટડીઝ, સુરત.
૧૫. દેસાઈ આઈ. પી. (૧૯૮૨) વેડછી આંદોલન, સેન્ટર ફોર સોશલ સ્ટડીઝ, સુરત.
૧૬. શાહ ધનશ્યામ : (૧૯૮૦) આદિવાસીઓ : ગઈકાલે અને આજે, સેન્ટર ફોર સોશલ સ્ટડીઝ, સુરત.
૧૭. દેસાઈ હાઈડીમેન ડેવીડ : (૧૯૮૬) દેવી આંદોલન, સેન્ટર ફોર સોશલ સ્ટડીઝ, સુરત.
૧૮. જાની ગૌરાંગ અને પરીખ પ્રવીણચંદ્ર : (૨૦૦૩) આદિવાસી સમાજ અને સંસ્કૃતિ ભારત : પ્રતિભા અને પરિદર્શન, ગુજરાત વિશ્વકોશ ટ્રસ્ટ પ્રકાશન, અમદાવાદ.

Sociology — Paper V
Rural Sociology

Paper V : Rural Sociology :

1. Origin, development and subject matter of Rural Sociology- Importance of its study in India.
2. Characteristics of rural community.
3. Economic life of rural people-Jagmani system in India.
4. Social stratification in rural communities.
5. Problems of land, land reforms, land legislation, Rural poverty, unemployment and indebtedness.
6. Rural development & Role of Co-operatives.
7. Panchayati Raj.
(અ) ૭૩મો બંધારણીય સુધારો અને તેની ગ્રામીણ સમાજ પરની અસરો
(બ) મહિલા સરપંચની કામગીરી અને પ્રશ્નો
8. Social change in Rural India.

SYBA (Ext) 64

Reference Books

1. Dr. Desai A. R. : Rural Sociology in India
2. Chitamber J. B. : Introductory Rural Sociology
3. Dr. Srinivas M. N. (Ed.) : India's villages
4. Goyal D. G. : Bhartiya Gramin Samaj
5. Government of India : Fifth, Sixth and Seventh Plan Planning Commission, New Delhi.

Sociology

Rural Sociology

‘ગ્રામીણ સમાજશાસ્ત્ર’ ના પેપર V માં નીચે દર્શાવેલ મુદ્દાઓ ઉમેરવા એ સિવાય
વર્તમાન પેપર યથાવત રાખવું

૧. મુદ્દા નં.-૭ પંચાયતી રાજમાં નીચે પ્રમાણે ઉમેરણ કરવું.
(અ) ૭૩મો બંધારણીય સુધારો અને તેની ગ્રામીણ સમાજ પરની અસરો
(બ) મહિલા સરપંચની કામગીરી અને પ્રશ્નો
૨. અભ્યાસક્રમના પ્રત્યેક મુદ્દામાં સામાજિક પરિવર્તનનું પાસું ઉમેરવું અને તેની ચર્ચા કરવી.

Sociology — Paper VII

વધારાનું ગૌણ (દ્વિતીય) પ્રશ્નપત્ર

(આ પ્રશ્નપત્ર જૂન ૨૦૦૪થી નવું અમલમાં આવશે.)

પ્રશ્નપત્રનું નામ : Introduction to Indian Society

1. A brief Demographic profile of Indian Society : Religion, literacy, Scheduled caste and tride and sex ratio.
2. Caste : Meaning and origine of caste, caste and Varma, Characteristics of Caste. Changing aspects of caste. Dr. ambedkar's ideas about Indian Caste in general and about Untouchability in particular.
3. Marriage :
 1. Rules of Marriage : endogamy, exogamy and preferential marriage, monogamy,....levirate and sorrorate, hypogymy and hypergamy.
 2. Marriage transaction : dowry and bride wealth
 3. Challenges to marriage as an institution.

Family :

1. Meaning and Characteristics of family.
2. Types of family : Joint and Nuclear family
3. family and gender issues.

References :

1. Dube, Leela, 1997. Women and kinship : Comparative perspectives on Gender in South and South East Asia. New Delhi : sage Publication.
2. International Encyclopedia of Social Science, 1968
3. Shah, A. M. 1998 he family in India : Critical Essass, new Delhi : Orient Longman
4. Uberoi, Patricia, 1993, Family, Kinship and marriage in India. New Delhi, Oxford University Press
5. Madan, T. N. 1965 Family and kinship : a study of the Pandits of Rural Kashmir, Bombay : asia Publishing House.
6. Beteille, andre, 1992 Backward classes in contemporary India, New Delhi. OUP
7. Dube, S. C. 1990 : Society in India (New Delhi : National Book Trust)
8. Karve, Irawati, 1961 : Hindu Society : An Interpretation (Poona : Deccan College)
9. Srinivas, M. N. 1980 : India : Social Structure (New Delhi : Hindustan Publishing Corporation)
10. Singh, Yogendra, 1973 : modernization of Indian Tradition (Delhi thomus Press)

GEOGRAPHY

(With effect from June 2004)

Paper-III : Human Geography

Course Content:

SYBA (Ext) 65

- UNIT-I : Nature and Scope of Human geography – Branches of human geography. Concepts of Man and environment relationship – determinism, possibilism and probabilism; dichotomy in physical and human geography; Principle of interconnection and unity in Human geography.
- UNIT-II : Early economic activities of mankind, food gathering, hunting, fishing, shifting and sedentary agriculture. Division of mankind based on physical and social characteristics, spatial distribution – racial groups, ethnic groups and religious groups in the world and in India.
- UNIT-III : Human adaptation to environment: (i) cold region – Eskimo (ii) hot region – Bushman, Beduin (iii) Plateau – Gonds, Masai (iv) Mountain – Gujjars (v) regions of recurrent floods, droughts and other natural hazards; (vi) Adaptation in modern society – rural, urban and metropolitan.
- UNIT-IV : Distribution of population; World distribution pattern – Physical, economic and social factors influencing spatial distribution. Concept of over population, under population and optimum population. Zero population growth. Migration – internal and international. Population issues in developed and developing world.
- UNIT-V : Population regions of India, dynamic, prospective, depressed; problems of over population in India and remedial measures. Population programmes and policies of India.

Pedagogy:

- Students should be introduced to the exact form of many development – environment relationship through local level field visits.
- They should be encouraged to browse through census atlases and census data and the topographical sheets to understand various dimensions of population and settlements and their relationship with the terrain.
- They should be encouraged to write an essay on the human geography of their local areas to understand the multi-dimensional nature of subject.
- Students should be introduced to exact form of complex relationship among environmental activities (Place-work-folk) and through local level field visits.

Suggested Readings:

1. Bergwan, Edward. E.: Human Geography: Culture, Connections and Landscape, Prentice-Hall, New Jersey, 1995.
2. Carr, M.: Patterns, Process and Change in Human Geography, McMillan Education, London, 1987.
3. Carr, M.: New Patterns: Process and Change in Human Geography, Nelson, 1997.
4. Fellman, J.L.: Human Geography – Landscape of Human Activities, Brown and Benchmark Publications, USA, 1997.
5. De Blij, H.J.: Human Geography, Culture, Society and Space, John Wiley, New York, 1996.
6. Johnston, R.J. (Ed.): Dictionary of Human Geography, Blackwell, Oxford, 1994.
7. McBride, B.J.: Human Geography Systems, Patterns and Change, Nelson, U.K. and Canada, 1996.
8. Rubenstein, J.H. and Bacon, R.S.: The Cultural Landscape – an Introduction to Human Geography, Prentice Hall India, New Delhi, 1990.
9. Singh, K.N.: People of India – An Introduction, Seagull Books, 1992.
10. Spate, O.H.K. and Learmonth, A.T.A.: India and Pakistan, Methuen, London, 1968.

Paper IV : Physical Geography-II (Climatology and Oceanography)

Course Contents:

Section-A : Climatology

- UNIT-I : Weather and Climate; Definition and Significance of climatology; elements of weather and climate; their causes. Composition and structure of the atmosphere. Atmospheric temperature: Insolation and global heat budget, seasonal distribution of temperature; Atmospheric pressure and winds: Vertical and horizontal distribution of pressure, planetary, periodic and local winds.
- UNIT-II : Atmospheric moisture: humidity, evaporation; condensation, hydrological cycle, forms of precipitation and types of rainfall; regional and seasonal distribution. Air-masses and fronts: concept, classification and properties Atmospheric disturbances: tropical and temperate cyclones, thunderstorms and tornadoes.

UNIT-III : Climatic classification; basis of Koppen's classification and types – distribution and characteristics and related plant and animal life. Role of climate in human life. Atmospheric pollution and global warming: general causes, consequences and measures of control.

Section-B : Oceanography

UNIT-IV : Relevance of Oceanography in Earth and atmospheric sciences: Definition of oceanography – Surface configuration of the ocean floor – continental shelf, continental slope, abyssal plain and mid-oceanic ridges and oceanic trenches; sub-marine relief of the Indian, Atlantic and Pacific Oceans. Distribution of temperature and salinity of oceans and seas.

UNIT-V : Circulation of oceanic waters: Waves, tides and currents; currents of the Atlantic, Pacific and Indian oceans. Marine deposits and coral reefs, coastal environment, oceans as storehouse of resources for the future.

Note : For purposes of examination, ten questions are to be set for the course – 6 from Section-A and 4 from Section-B, choosing 2 questions from each unit. The candidates will be required to attempt 5 questions in all, selecting 3 questions from Section-A and 2 questions from Section-B.

Suggested Readings :

1. Barry, R.G. and Chorley, R.J.: Atmosphere, weather and Climate, Routledge, 1998.
2. Chritchfield, H.: General Climatology, Prentice Hall, New York, 1975.
3. Lydolph, Paul, E.: The Climate of the Earth, Rowman and Allanheld, Totowa, N.J., 1985.
4. Mather, J.R.: Climatology, McGraw-Hill, New York, 1974.
5. Patterson, S.: Introduction to Meteorology, McGraw-Hill Book Co., London, 1969.
6. Trewartha, G.T. and Horn, L.A.: Introduction to Climate, International Students edition, McGraw-Hill, New York, 1980.
7. Anikouchine, W.A. and Sternberg, R.W.: The World Oceans – An Introduction to Oceanography, Englewood Cliffs, N.J. 1973.
8. Grald, S.: General Oceanography – An Introduction, John Wiley & Sons, New York, 1980.
9. Garrison, T. Oceanography, Wordsworth Company, U.S.A. 1998.
10. Sharma, R.C. and Vatal, M.: Oceanography for Geographers, Chetanya Publishing House, Allahabad, 1970.

(From June 2005)

Paper VII (S.S.) : Geography of Gujarat

Course Contents:

Unit-I : Gujarat – Location, area, neighboring states, relief features and major physiographic divisions: The Gujarat plains, the Saurashtra Plateau, the coastal low land and Rann, the Eastern hilly area; drainage pattern, major rivers – their importance and utilities.

Unit-II : Climate: temperature, rainfall by regions and seasons. Monsoon phenomena over Gujarat, its impact on economic activities. Natural vegetation – types, distribution. Major forest products and their utilities.

Unit-III : Soil: major types, their distribution, major crops: Cotton, Tobacco, Groundnut, Rice, Wheat, Bajra, characteristics of agriculture, problems and remedies: Types of irrigation: Wells, Tanks, Canals, major irrigation projects, Narmada, Ukai and Dharoi, Khet-Lalavadi Yojana; Dairy farming and industries, Fisheries: Inland and coastal.

Unit-IV : Mineral and Power Resources: Important minerals: Limestone, China clay, Flourspur, Gypsum, Calcite, Bauxite, Mineral oil, and Natural gas – their distribution and utility. Major industries: Textile, Cement, Petro-chemicals and Chemical industries – their locational factors and problems.

Unit-V : Transportation and communication: Role of transportation in economic development, major road, rail, air and waterways of Gujarat. Important Ports of Gujarat: Kandla, Veraval, Mandvi, their role in foreign trade. Population: Distribution, density, literacy, urban population, tribal population – their types, distribution and problems. Population issues and policies.

Suggested Readings :

1. Dikshit, K.R.: Geography of Gujarat, National Book Trust, New Delhi.
2. Dave, Manjula, B.: Gujarathi Pradeshik Aane Arthik Bhoogol, University Granth Nirman Board, Ahmedabad.
3. Census of India: Gujarat Nakshama, University Granth Nirman Board, Ahmedabad.
4. Gujarat Vishwakosh Trust: Gujarat (in Gujarati), Gujarat Vishwakosh Trust, Ahmedabad, 2000.

5. Census of India: Gujarat Part II – A & B, General Census Tables.
6. Bureau of Economics and Statistics, Government of Gujarat: Handbook of Basic Statistics, 1965.
7. Directorate of Information, Government of Gujarat, Ahmedabad: Gujarat (latest).
8. Directorate of Agriculture, Ahmedabad: Statistics of Principal Crops in Gujarat State (latest).
9. Directorate of Industries, Government of Gujarat: “Industries in Gujarat”, Handbook of Information, (Latest).

S.Y.B.Sc./S.Y.B.A. (Mathematics Paper - V)

Unit : 5 Details

(Pre requisite : Relations)

Partial Ordered Sets :

2-3.9 Partial ordering

2-3.9 Partial ordered sets representation and associated terminology, cover, minimal (Maximal) elements, least upper bound, greatest lower bound, Hasse diagrams. (PP 133 to 191)

LATTICES

4-1.1 Lattices : definition and examples

4-1.2 Some properties

4-1.3 Lattices as algebraic structures (PP 378 to 386)

4-1.4 Some special lattices (PP 392 to 396)

BOOLEAN ALGEBRAS

4-2.1 Definition and Examples (PP 398 to 399)

4-3.1 Boolean forms and their equivalence (PP 406 to 410)

4-3.2 Only binary valuation (PP 410 to 413).

Syllabus of S.Y.B.Sc. / S.Y.B.A.

Mathematics

Effective from June 2004

Paper-III Advanced Calculus

Unit-I : Indeterminate forms, L'Hospital's rules, Increasing and decreasing functions, Concave upwards and concave downwards functions, Points of inflexion, Asymptotes, Curve tracing (Catenary, Cycloid, Folium, Astroids, Limacon, Cissoid, Cardioid)

Unit-II : Real functions of several variables, Their limit and continuity, (Repeated limits and limits in R^2 to be explained), Partial derivatives of functions of n variables (For special case $n=2$ notation D_{12} and D_{21} to be explained), Differentiability, Chain rule, Partial derivatives of higher order, Condition for commutative property of variables in higher order partial derivatives, Derivatives of implicit functions.

Unit-III : (a) Euler's theorems on partial derivatives of homogenous functions, Extrema of functions of several variables, Lagrange's method of undetermined multipliers, Taylor's and Maclaurin's expansions for functions of several variables (Proof for case of two variables only)

(b) Curves, Surfaces, First order partial differential equation, Classification of integrals, Linear equations of first order.

Unit IV Differentiation along a curve, Applications to geometry

- (i) Curvature in Cartesian and polar co-ordinates,
- (ii) Singular points for plane curves especially points of inflexion and double points.
- (iii) Tangent line and normal plane to curves.
- (iv) Tangent plane and normal line to surfaces
- (v) Gradient

Unit V

- (i) Double integral, Repeated integral, integral on a non-rectangular region, Jacobian, (only introduction and use for transformation from Cartesian to polar, spherical and cylindrical co-ordinates and vice-versa).
- (ii) Divergence and curl of a vector, Line integral, Surface integral, Green's theorem and Stoke's theorem
The course is roughly covered by

SYBA (Ext) 68

- (i) David Widder: Advanced Calculus (Prentice hall ,New Delhi)
- (ii) T.M.Apostol: Advanced Calculus Volume-II (Blaisdoll)
- (iii) Shanti Narayan: Differential Calculus (S.Chand)
- (iv) Shanti Narayan: Integral Calculus (S.Chand)
- (v) T. Amarnath: Partial Differential Equation (Narosa) (Articles 1 to 4)
- (vi) James Stewart: Calculus Brooks/Cole publishing company
- (vii) S.T.Tan: Applied Calculus Brooks/Cole publishing company

The course of advanced calculus is roughly covered by Chapters 1,2,3,4,6,7 and 8 of book by David Widder.

Paper IV Linear Algebra

- Unit-I** : Vector space, Definition and examples, Vector Subspaces, Linear dependence and independence, Span of a set, Basis and dimension of a vector space, Line, Affine spaces, Quotient spaces.
- Unit II** : Linear transformation, Representation of linear transformation by a matrix, Kernel and image of a linear transformation, linear isomorphism, Geometric ideas and rank, Identity, Stretch along axes, Reflection with respect to axes, Rotation, Shear, Projection, Their Combinations
- Unit III** : Inner product spaces, the Euclidean plane and the dot product, general inner product spaces, orthogonality, Geometrical application, orthogonal projection onto a line, orthonormal basis, orthogonal complements and projections, linear functionals and hyper-planes, orthogonal transformations, associated co-ordinates, reflections, orthogonal map of the plane.
- Unit IV** : Determinants and its properties, Value of a determinant, Basic results-Laplace expansion, Cramer's rule, Application to geometry, orientation and vector product.
- Unit V** : Rotation of axes of conics, Eigenvalues and eigenvectors, Cayley –Hamilton theorem, Diagonalization of symmetric matrices, conics and quadrics, classification of Quadrics , computational examples.

The course is covered by : Linear Algebra : A Geometric Approach S. Kumaresan (Prentice Hall, New Delhi) 2003

Reference

- (i) Finite Dimensional vector spaces P. Halmos
- (ii) Matrix and Linear algebra K.B.Dutta (Prentice Hall, New Delhi)
- (iii) Linear Algebra –A problem book P. R. Halmos (Cambridge university Press)
- (iv) Linear Algebra G.Paria (New central book agency-Calcutta)
- (v) Linear algebra and applications Gilbert Strang Thomson Brooks/ cole

Paper V-A

Numerical Analysis and Boolean Algebra

- Unit I** : Error in calculation and calculus of finite differences, interpolation Significant error, Relative error, Estimation of error, Application of error formula, Forward differences, Backward differences, Shift operator, Polynomial in factorial notation, error in interpolation.
- Unit II** : Interpolation and inverse interpolation : Central difference, Gauss's forward and backward formula, Stirling's interpolation formula, Bessel's and Everett's formulae, Lagrange's formula, Divided difference, Newton's divided difference formula, inverse interpolation, its application.
- Unit III** : Numerical differentiation and integration: Estimation of error in differentiation formula based on Newton's forward and backward formulae, and Stirling's formula, differentiation formulae for unequid spaced arguments, General quadrature formula, Trapezoidal rule, Simpson's rule, Weddel's rule, quadrature formula based on Lagrange's formula, Newton-Cotes formula, Numerical integration formula based on central difference formulae, Euler –Maclaurin sum formula.
- Unit IV** : Algebraic and transcendental equations, Numerical solution of differential equations of first order: Graphical method, method of bisection, method of iteration, Newton-Raphson formula, Newton's iterative formula, method of false position, Euler's method, Euler's modified method, Picard's method, Taylor's series method, Runge-Kutta method, Milne's method.

Unit V : Relations, Posets, Hasse diagrams, Lattices as posets and algebraic system, complemented and distributive lattices, Homomorphism and isomorphism of lattices, Stone's representation theorem for Boolean algebra, Boolean expression, binary valuation, Boolean function.

The course of numerical analysis is covered by Chapters 1,2,3,4,5,6,8 of Numerical analysis and computational procedures by S.A.Moolah, New central book agency (p) ltd, 8/1 Chintamani Das Lane, Calcutta 700009.

Discrete mathematical structures with application to computer science J. P . Tremblay and R. Manohar (Mcgraw Hill) covers Boolean Algebra. (Part of Chapter 4)

Refernce Books

- | | |
|--------------------------------------|---|
| (i) Elementary Numerical analysis | S.S. Sastry (Prentice Hall, New Delhi) |
| (ii) Numerical mathematical analysis | Scarborough 6 th edition, (Oxford & IBH) |
| (iii) Numerical analysis | S. Kunz Mcgraw Hill Book Newyork |
| (iv) Numeric Analysis | Richard Burden and J. Douglas Thomson |

**Paper V-B
Mathematics Practicals**

Unit I :

- (a) Tracing of curves and graphical solutions :
- (1) All trigonometric functions and their inverse functions
 - (2) Quadratic, cubic, exponential and logarithmic functions.
 - (3) Graphs of $xy=1, xy=-1, y=ax^2+bx+c, y = \frac{x+a}{x-a}, \frac{x^2}{a^2} + \frac{y^2}{b^2} = 1$
 - (4) Parametric equations: Astroid, Hyperbola, Ellipse, Parabola, Cycloid
 - (5) Polar forms: Cardioid, circle, conic, Spiral, limaçon, Lemniscate of Bernoulli.
- (b) Hasse Diagrams of $(S_{30}, D), (S_{210}, D), (S_{12}, D)$ etc.

Unit II: Interpolation and inverse interpolation:

- (1) Interpolation using Newton's forward and backward interpolation formula.
- (2) Interpolation using Gauss's, Stirling's, Bessel's and Everett's interpolation formula.
- (3) Interpolation using Lagrange's equal length and unequal length interpolation formula.
- (4) Interpolation using Newton's divided difference formula.
- (5) Inverse interpolation.

Unit III: Numerical Differentiation and Integration and solution of Differential Equations.

- (1) Numerical differentiation for equi-spaced and unequi-spaced arguments.
- (2) Quadrature formula.
- (3) Picard's and Taylor's method.
- (4) Euler's, Modified Euler's and Runge-Kutta's method.
- (5) Bisection method, method of false position, fixed point iteration, Newton-Raphson method, Horner's method.

Unit IV : System of linear Algebraic equations

- (1) Elimination method
- (2) Inversion of matrix by (a) Row-reduced echelon form (b) Gauss-Seidal iteration method.
- (3) Eigen-values and eigen-vectors in R^3 .
- (4) Minimum polynomial of 3×3 matrix.
- (5) Canonical and quadratic forms.
- (6) Least square method.

The course of practicals is covered by part II computational procedures by Moolah S.A. Chapters 1,2,3,4,5,6,7,8,10.

There will be four periods a week for paper III and IV and three periods a week for paper VA. The practical of two periods a week for a batch of 20 students for paper VB.

**Optional Paper : Paper V-A
(Computer oriented Numerical Analysis)**

Instructions :

- (1) The programming language “C” should be used only for syntax and semantics. Detailed non-mathematical examples which divert the attention should be discarded from the discussion.
- (2) The syllabus of “C” programming language is covered by
Programming in ANSI C by BALAGURUSWAMY, Tata McGraw-Hill, IInd edition, Ch. 1-7,9. (Omit case studies, multidimensional arrays)
- (3) For practicals, algorithms are covered by “ Numerical methods for mathematics, science and engineering” by John H Mathews(IInd edition) Prentice Hall of India.
Algorithms- 2.1-2.3, 2.5, 2.6, 3.1, 3.4, 3.5, 4.2-4.5, 6.1, 6.3, 7.1-7.3, 9.1-9.4, 9.7.
- (4) Topics of numerical analysis are covered by “Numerical analysis and computational procedure” By Dr. S.A. Mollah, Books and allied(P) ltd. Chapters 1-6 and 8. (omit 6.13,6.14)

Unit I : Introduction, Importance of C, Basic Structure of C programs, Programming style, Executing a C program, Character set, C tokens, Keywords and Identifiers, Constants, Variables, Data types, Declaration of variables, Assigning values to variables, Defining symbolic constants, Arithmetic of operators, Relational, logical assignments, increment, decrement, Conditional Bitwise and special operators, Arithmetic expressions, Evaluation of expressions, Precedence of arithmetic operators, Some computational problems, Type conversions in expressions, operator precedence and associativity, Some mathematical functions, Reading and writing a character, Formatted input and output, Decision making and branching: The IF statement, Simple IF statement, the IF ELSE statement, Nesting of IF ...ELSE statement, The ELSE IF ladder, the switch statements, the ?: operator, The GOTO statement, Decision making and Branching : the WHILE, DO, and FOR statements, jumps in loops, Arrays, One and two dimensional arrays, initializing Two-dimensional arrays.

Unit II : User defined functions, Need for user-defined functions, A multifunction program The form of C functions, Calling a function, Category of functions, No argument and no return values, Argument but no return values, Argument with return values, Handling of non-integer functions, Nesting of functions Recursion, Functions with arrays, The scope and lifetime of a variables in functions, ANSI C functions.

Introduction to the free mathematical software such as “GNU PLOT” to draw the graphs of standard mathematical functions,

Errors : Rounding off, significant, absolute, relative, relative percentage, relation between the relative error and the number of correct, significant figures, (without proof) Estimation of errors,

Finite differences : Forward and backward , Fundamental theorem of difference calculus, Shift operator E, its relation with D operator and its relation with Factorial notation, Polynomials in factorial notation.

Unit III : Interpolation and inverse interpolation with equal and unequal intervals, error in interpolation, Newton’s forward and backward interpolation formula, (Estimation of error),

Central difference interpolation formula: Gauss’s forward and backward formula, Stirling’s interpolation formula, Bessel’s and Everett’s formulae, Lagrange’s interpolation formula, Divided difference, Newton’s divided difference formula, inverse interpolation, its applications.

Unit IV : Numerical differentiation and integration: Estimation of error in differentiation formula based on Newton’s forward and backward formulae, and Stirling’s formula, differentiation formulae for unequid spaced arguments, Gauss Legendre quadrature formula, Trapezoidal rule, Simpson’s rule, Weddel’s rule, quadrature formula based on Lagrange’s formula, Degree of precision in quadrature formula, Newton-Cotes formula, Numerical integration formula based on central difference formulae, Euler –Maclaurin sum formula.

Unit V : Algebraic and transcendental equations, Numerical solution of ordinary differential equations of first order : Graphical methods, method of bisection, method of iteration,

Newton-Raphson formula, Newton’s iterative formula, method of false position, Euler’s method, Euler’s modified method for o.d.e., Picard’s method, Taylor’s series method, Runge-Kutta method, Milne’s method.

Practicals for Computer Oriented Numerical Analysis.

Unit I The graphs :

- (1) $\sin(x), \cos(x), \tan(x), \cot(x), \operatorname{cosec}(x), \sec(x)$
- (2) $\arcsin(x), \arccos(x), \arctan(x), \operatorname{arccot}(x), \operatorname{arccosec}(x), \operatorname{arcsec}(x)$
- (3) e^x, a^x
- (4) $\log(x), \ln(x)$
- (5) Straight lines ,circle.
- (6) Parabola, ellipse, hyperbola.
- (7) cycloids, cardioids,astroids. (to be drawn using Gnuplot software.)

Unit II

- (1) Fixed point iteration. Solve $x=g(x)$
- (2) Bisection method to solve $f(x)=0$.
- (3) Method of false position to solve $f(x)=0$.

- (4) Newton-Raphson formula
- (5) Secant method to solve $f(x)=0$.
- (6) Back substitution to solve upper triangular system.
- (7) Jacobi iteration to solve system of linear equation.
- (8) Gauss-Seidal iteration to solve system of linear equation.

$$x_{n+1} = x_n - \frac{f(x_n)}{f'(x_n)}$$

- Unit III :**
- (1) To find value of a polynomial $P(x)$ using polynomial calculus(synthetic division)
 - (2) To find value of derivative of a polynomial $P(x)$ using polynomial calculus(synthetic division)
 - (3) To find value of integral of a polynomial $P(x)$ using polynomial calculus(synthetic division)
 - (4) Lagrange approximation
 - (5) Nested multiplication with multiple centre
 - (6) Newton's divided difference interpolation formula

Unit IV :

- (1) Differentiation using limits
- (2) Differentiation based on n points
- (3) Numerical integration using composite trapezoidal rule.
- (4) Numerical integration using composite Simpson's 1/3 and 3/8 rule.
- (5) Numerical integration using recursive trapezoidal rule.
- (6) Numerical integration using Weddle's rule. (for six intervals)

Unit V :

- (1) Euler's method
- (2) Modified Euler's method
- (3) Taylor's method of order 4.
- (4) Runge-Kutta method of order 4
- (5) Runge-Kutta method of order 2.
- (6) Milne-Simpson's predictor corrector method.

STATISTICS : Theory and Practical (New Course)

(To be effective from : June 2004)

There will be three Theory papers and three practical papers.
The following table presents the title, workload and marking scheme for these papers :

Sr.No.	Paper	Tital	Workload in	Marks
			hrs. per week	
1	Theory Paper III	Mathematical Statistics-I	3L + 1T	70
2	Theory Paper IV	Applied Statistics	3L + 1T	70
3	Theory Paper V	Mathematical Statistics-II	3L + 1T	70
			Duration	
6	Practical Paper I		3 hrs	35
7	Practical Paper II		3 hrs	35
8	Practical Paper III		3 hrs	35

Head of Passing :

A Candidate Should possess atleast 76 Marks out of 210 marks aggregate in 3 Theory papers and 38 marks out of 105 marks aggregate in 3 Practical Papers to be eligible for passing.

S.Y.B.A / S. Y. B. Sc.**STATISTICS : (New Cours)****Modified Syllabus to be Effective from June-2004**

(Academic Year : 2004-2005)

Paper III : (Mathematical Statistics-I)**1. Probability : (20%)**

Random experiment trial, smaple point & sample space, events, operations of events, concepts of mutually exclusive and exhaustive events. Definition of probability : classification and relative approach, axiomatic approach, Geometric probability and uniform probability space. Comparision and drawbacks the definitions of probability conditional probability, Additional and Multiplication rules of probability, Independence of two or more events, Bayes Theorem.

Expressions for probability of occurrence of exactly **K** events out of three events A, B, C for K=1, 2, 3.

Proof of following ineualities for two events A and B

$$(i) \quad P(A \cup B) \geq \max \{P(A), P(B)\}$$

$$(ii) \quad P(A \cup B) \leq \min \{P(A) + P(B), 1\}$$

$$(iii) \quad P(A \cap B) \leq \min \{P(A), P(B)\}$$

2. Mathermatical Expectation : (30%)

Discrete and continuous random variable, distribution function of continuous and discrete random variables and their properties. Mathematical expectation, – Raw, central, factorial moments and cumulants with their inter-relationship up to fourth order, mode, quartiles, coefficient of variation and measures of skewness and kurtosis; Moment generating function, characteristics functions and probability generating function and their properties.

3. Unitariate distributions and their properties : (50 %)

Binomial, poisson, Hypergeometric, Uniform, Normal, gamma, Beta distribution, Bernoulli Distribution, rectangular Distribution, Exponential Distribution, Weibull Distribution.

Paper IV — Applied Statistics**1. PERT - CPM : (20 %)**

Meaning of PERT, activity, dummy activity, Network, expected time, characteristics and uses and limitations of PERT, Meaning of C.P.M. Meaning of Earliest Starting Time (EST) and Latest Starting Time (LST), Latest Finsih Time (LFT), Examples based on PERT-CPM; difference between PERT-CPM.

2. Demographic Methods : (20%)

2.1 Importance of population census, detailed study of last population census.

2.2 Vital statistics : Rates of vital events,

Measurements of mortality : Crude Death Rates, Specific death Rate, Standardized Death Rate.

Measurements of fertility : Crude birth rate, general fertility rate, total fertility rate, gross and net reproduction rates, concepts of life table and its uses, measurement of population growth and population projections.

3. Economic Statistics :

3.1 Index number : Construction and use of Index numbers weighted index number, Passche, Laspeyre, Fisher, Marshall - Edgeworth formula of index numbers, errors in index numbers tests of index numbers, chain index numbers, construction of cost of living index and wholesale price index numbers. (20%)

3.2 Time Series :

Components of Time - Series, Measurement of trend by method of moving average and mathematical curves (upto second degree) calculation of seasonal variation and indices by Ratio to trend and moving Avg. Method. (20%)

3.3 Mathematical Economics :

Formulation of Demand & Supply functions, Market Equilibrium, Determination of demand and Supply curves from time series data, Utility function and its uses in derivation of demand curves. Elasticity of demand and Supply and cost function, Optimization of revenue for a given demand law, use of elasticity in classification of goods into necessities and luxuries. Problem of monopoly. (20%)

Paper V — Mathematical Statistics-II**1. Correlation and Regression :** (40%)

General Concepts of bivariate and trivariate distributions, marginal and conditional distribution, productmoment correction coefficient, Spear's Rank correlation coefficient, independence and uncorrelatedness of random variables.

Concept of regression, error in regression, fitting of linear and quadratic curves and curves, which are reducible to linear forms by methods of least squares. Regression and correlation in three variables, partial and multiple regression, partial and multiple correlation coefficient and their interrelationships.

2. Large Sample Tests and Small Sample Tests : (20%)

Idea of Statistical hypothesis and alternative hypothesis, level of significance, degree of freedom.

Contingency tables and association of attributes, Chi-square tests in testing independence of attributes, in contingency tables, and goodness of fit. Tests for proportion(s), Fiosher's Z - transformation and its uses in testing significance of total and partial correlation coefficients χ^2 , t, F test and their uses in the test of significance concerning total, partial and multiple correlation coefficients.

3. Sampling distributions and Standard Errors : (10%)

Concept of sampling distribution, sampling distribution of sample total from binomial, poisson and normal distribution, sampling distribution of the difference of two sample means from independent normal populations concept of standard error of sample moments.

4. Non Parametric Tests : (10%)

Parametric versus non-parametric tests, sing, median, Wald-Wlofowitz runs and Mann-whiteny tests.

5. Sample Surveys and Sampling Techniques : (20%)

Sampling versus complete enumeration, different steps in large scale sample survey, Biases in Survey, type of population and type of Sampling.

Sample Random Sampling, derivation of variance of sample mean, Random Sampling for proportion, estimation of sample size and population total.

SYBA (Ext) 74
STATISTICAL METHODS PAPER-III

(As a first subsidiary subject only)

(To be effective from June 2007)

Paper III :

A. (1) Differentiation : (20%)

Concept of the first and second order derivative of a real function. Derivative from first principles of functions such as $ax + b$ and x^2 . Rules of derivative without proof. First and Second order Derivative of fuctions of the types.

$ax + b$, $ax^2 + bx + c$, $(ax + d)$, e^{kx} , $\log x$

(2) Partial Derivative

Definitin of integration, Rules of intergration without proof. Intergration of fuctions of the type x^n , e^{kx} ,

$(x - a)$ $(x - b)$ etc.

Evaluation of definite integral $\int_a^b f(x) dx$ and its uses. Simple examples.

B. (1) Maxima and Minima : (20%)

Us of derivative in finding stationary values (Maxima and Minima) of function of one verible only.

(2) Demand function and supply function

Formulation, their properties, Total and marginal revenue, Total and marginal cost, market equilibrium.

(3) Elasticity

Elasticity of demand and supply with respect to its properties.

(4) Utility function

Concept, maximization of utility subject to a budget restriction.

C. (1) Arithmetic and Geometric Progressions (20%)

Meaning of Progression and series. The nth term and sum of the first n terms of A.P. and G.P. (without proof). Arithmetic and Geometric mean between two variables, simple business application of A.P. and G.P.

(2) Meaning and assumptions, Idea of operators " and " with examples. Newton's and Lagrange's Interpolation formulae (without proof). Intrpolation by Binomial expansion method. examples.

D. Small Sample Tests : (20%)

Definition of Chi-square (χ^2) as large sample statistic. Properties of χ^2 distribution without proof. Application of χ^2 test : Test of independence of attributes upto 3 x 3 contingency table. Derivation of χ^2 in 2 x 2 congingency table. Definition of t and F statistics, Uses of t and F tests, simple examples.

E. (1) Linear Correlation : (20%)

Concept of linear correlation between two variables, Scatter diagram, bivariate frequency table. Karl Pearson's formula for correlation coefficient. Spearman's rank correlation. Caluation of correlation coefficient from ungrouped and grouped bivariate. Coefficient of determination and its interpretation.

(2) **Linear Regression :**

Concept of error in regression, Principle of least squares, lines of regression, Coefficient of determination and its interpretation. Use of regression in forecasting.

(3) **Association of attributes :**

Concept of association of attributes, Yule's Coefficient of association.

STATISTICAL METHODS PAPER-IV

A. (1) Probability Distributions : (20%)

Statement of Probability mass function of Negative Binomial and Geometric Distribution, Statement of probability density function of Normal distribution, properties of these distributions (without proof). use of Normal tables, Examples based on these distributions.

(2) **Decision Theory :**

Ingredients of Decision Problems : Acts, States of Nature or Events, Payoff Table, Opportunity Lass

(O.L.), Decision Making Environment, Decision Making Under Certainty and Uncertainty, Optimal Decision : Maximax Criterion of Equal Likelihoods, or wicz Criterion of Realism, Expected Monetary Value (EMV), Expected Opportunity Loss (ELO) Criterion, Expected Value of Perfect Information (EVPI).

- B. (1) Large Sample Test :** (20%)
 Statement of a hypothesis, null hypothesis, level of significance, testing of hypothesis, two types of errors standard error of statistics, significance of mean (s) and proportion (s) in case of one and two samples.
- (2) Analysis of Variance (ANOVA)**
 Definition of ANOVA, Uses of ANOVA, One-way and Two-way classifications.
- C. Statistical Quality Control (SQC) :** (20%).
- (1) Meaning and scope of SQC, Organisation of SQC in an industrial unit. Responsibilities of SQC group.
- (2) Control Charts - \bar{x} Limits and Control limits control Charts for variables - \bar{x} and R Charts, their uses and interpretation, uses of theory of runs.
- (3) Control charts for attributes - p, np and c charts.
- (4) Merits and demerits of control charts for variables and attributes.
- D. Acceptance Sampling Plans for Attributes :** (20%)
 Importance of acceptance Sampling Plans. Concepts of consumer's and producer's risks, OC , AQL, AOQ, ASN, AOQL, and LTPD.
 Single sampling plan with parameters N, n, C, its description and OC function using binomial and poisson approximation (with $c < 2$) AOQ and AOQL of a single sampling plan
- E. Operation Research :** (20%)
- (1) Meaning and scope of O.R. and uses of O.R.
- (2) Transportation problem : Definition of balanced Transportation problem and methods of solving it (North-West corner and Matrix Minima methods)
- (3) Replacement problems : replacement models for items that deteriorate with time, elementary model with simple illustrations.
- (4) Assignment problem : Definition of balanced Assignment Problem, Hungarian method of solving an assignment problem.

$\frac{ax+b}{cx+d}$

STATISTICAL METHODS PAPER-VII

(As a Second Subsidiary Subject only)

- (A) Mathematical Methods :** (20%)
- 1. Function :**
 Concept of a function, Domain & Range of a function with Simple examples.
- 2. Limit :**
 Concepts of the limit of a function, Rules of limit (statement only) simple examples of limit involving function of the types $ax + b$, $ax^2 + bx + c$,
- 3. Differentiation :**
 Concept of derivative of a real function. Derivative from first principle of function such as $ax + b$ and x^2 . Rules of derivative without proof. Derivative of the function of types :
- $ax + b$, $ax^2 + bx + c$, $(ax + d)$, $(cx + d)$, e^{kx} , $\log x$
- (B) 1. Probability :** (20%)
 Concept of permutations & combinations, Formulae for ${}^n P_r$ and ${}^n C_r$ (without proof) with simple examples. Random experiment involving tossing of coins, dice and drawing of cards etc. Definition of sample space, events, mutually exclusive and exhaustive events. Classical Definition of probability, definition of conditional probabilities theorems of addition and multiplication of probabilities (without proof), Independence of events, simple examples.
- 2. Mathematical Expectation :**
 Concept of a discrete random variable, probability mass function of discrete random variable and its properties, definition of mathematical expectation of a discrete random variable, mean and variance (without proof) and simple examples.
- (C) 1. Probability Distributions :** (20%)

Statement of probability mass function of Binomial and Poisson distributions. Properties of these distributions (without proof). Examples based on these distribution.

2. (a) Demand function and supply function

Formulation, their properties, total and marginal revenue, total and marginal cost, market equilibrium.

(b) Elasticity of demand and supply and its properties.

(D) Correlation & Regression :

(20%)

(1) Linear Correlation :

Concept of linear correlation between two variables, scatter diagram. Karl Pearson's formulae for correlation coefficient. Spearman's rank correlation. Calculation of correlation coefficient from ungrouped and grouped bivariate data.

(2) Regression :

Concept of error in regression, Principle of least squares, line of regression. Use of regression in forecasting.

(E) (1) Linear Programming :

(20%)

Meaning of linear programming. Assumptions and Limitations of linear programming. Use of linear programming in applied field with illustrations Mathematical form of linear programming problem. Graphical method of solving linear programming problem. The meaning of various terms used in linear programming like Lattice points, Objective function, Constraints, Solution, Feasible solution, Optimal feasible solutions. Example.

(2) Transportation problem : Definition of balanced Transportation Problem and methods of solving it (North-West corner and Matrix Minima methods), simple examples.

(3) Assignment problem : Definition of balanced Assignment Problem, Hungarian method of solving an assignment problem, simple examples.

Reference for Paper III, IV, IV

1. Goon, Gupta and Dasgupta : "An outline of Statistical Theory" Vols I & II, World Press Calcutta (1980)
2. Sancheti & Kappor : "Business Statistics" Sultan Chand & Sons, New Delhi.
3. Sancheti & Kappor : "Business Statistics" Sultan Chand & Sons, New Delhi.
4. D. N. Elhance : "Fundamentals of Statistics."
5. Kapoor V. K. : "Business Mathematics" Sultan Chand & Sons, New Delhi.
6. Levin and Rubin : "Statistics for Management", Prentice Hall of India Pvt. Ltd., New Delhi, (7th edition)
7. Parimal Mulkhopadhyay : "Mathematical Statistics" Books & Allied (P) Ltd. (2nd edition) 2000.
8. J. K. Sharma : "O. R. Theory and Applications" Macmillan India Ltd.
9. Allen R.G.D. L. : Mathematical Analysis for economists Macmillan (1937)
10. Kenny and Keeping : "Mathematics of Statistics" Vol. I & II, Van Nostran.
11. Shenoy, G. V. Srivastava U. K. and Sharma S. C. "Business Statistics", Wiley Eastern.
12. H. A. Taha, Operations Research, Macmillan Publishing Co. Inc. (Edition 6, 1999)
13. Vohra N. D. : Quantitative Techniques in Management : Tata McGraw Hill, New Delhi.
14. Grant E. L. : Statistical Quality Control, McGraw Hill.
15. Duncan A. J. : Quality Control and Industrial Statistics. Taraporewala and Sons.
16. M. C. Jaiswal : Akdashastra an Vitarno, Granth Nirman Board. (in Gujarati)
17. M. C. Jaiswal : Arth Vishayak Akdashastra. (in Gujarati)
18. S. W. Dharmadhikari, G. C. Patel : Akdashastria Anuman (in Gujarati)

CO-OPERATION

(As a subsidiary subject only)

Paper III : Co-operation in India :

Brief study of origin and growth of co-operation in India - Five year Plan and co-operative movement - Panchayats and co-operative movements.

Important forms of co-operation in India - Agriculture Societies - Co-operative Credit Societies - purchasing of farm requirements and seeds - Co-operative in Land Mortgage Banks Industrial Co-operation - Consumer's Co-operative Society - Rural and Urban stores Co-operative marketing. Forest Labour Societies.

Other types of Societies such as co-operative housing - Co-operative Insurance - Better living societies and welfare Unions.

Significance of different forms of Co-operative in our developing economy achievements drawbacks of co-operative movement in India - Remedies - Co-operative organisation at various levels.

State and the co-operative movement co-operative education Training and propaganda - The State Co-operative Council.

Recognition of movement - Reserve Banks efforts - constitutions of the agricultural credit - Department of the Reserve Bank of India - Role of Reserve Bank of India - Role of Reserve State Bank of India in Agricultural credit.

Paper IV : Law of Co-operation and Co-operative Management :

History of Co-operative Legislation in India - Co-operative Credit Societies 1904. Co-operative Societies Act, 1912-Bombay Co-operative Act of 1925. Gujarat Societies Act of 1962 with latest amendments & rule of Prominent feature & Co-operative Legislation to the State of Madras, Maharashtra and U. P.

Relevant provisions of Gujarat Agricultural Debtors Relief Act & Gujarat Tenancy Act - Agricultural Produce Act and Gujarat Money Debtors Act.

Structure and working of co-operative Department - Formation of scrutinize Preliminaries - Bye Laws - Registration working Arbitration Laidation - Supervising unions - Duties and responsibilities of office bearers Supervision. Inspection and Audit unions - Duties and responsibilities of office bearers Supervision, Inspection and Audit.

Writing of Registers and books of accounts - Co-operative accounting and auditing - submission of returns.

Paper VII : Co-operation (Second Subsidiary)**Co-operation in India**

1. Origin, Growth & History of Co-operative Movement in India Problem. Problems and prospects of Co-operative development in India.
2. Place of co-operation in developing economy, co-operation and five year Plans, common development, Panchayat Raj and Co-operatives.
3. Achievements workers and area back of co-operation movements in India.
4. Main recommendations of the Rural order survey Committees and, sevirion commerce & agricultural credit - State participation - Linking of order with marketing. Importance of co-operation and Graining in co-operative development.
5. Nationalised Banks and agricultural credit - role of Reserve Banks of India and State Bank of India in agricultural credit.
 - (a) Role and Development of Urban Co-operative Banking.
6. Long term agricultural credit - Land Development Banks - their functions and working.
7. Functions and working of co-operative marketing & processing societies - Co-operative spinning mills, co-operative sugar factors - Milk co-operative and co-operative Milk Producers unions - Co-operative Gining and Pressing societies - Co-operative ground-nut oil processing and rice Mills, Functions and working of consumer co-operative stores - their role in holding the price line.
8. Management of co-operative societies - Managing Committee - By laws of societies - General Body - meeting.
9. New dimensions co-operative growth and emphasis on development of weak section and such as small and marginal farmers, agricultural labours and rural artisans, fishermen self employed persons through co-operative - Youth and co-operation.
10. Set up of Co-operative department-Functions and power of commissioner/registrar of co-operative societies.

ISLAMIC CULTURE**Paper III : Islamic Culture :**

SYBA (Ext) 78

Islamic Culture in India upto the end of the Mughal rule, Commercial relations of India & Arabia, Arab conquest of the Sind and the consequent spread of Islam - Coestablishment of the Muslim rule in India - Salient features of Muslim administration - Recognition of Arabic & Persian as court. languages - Development of Persian Literature in India. Advent of Muslim saints in India and wide spread of Islam among Indians - Salient features of Sufism in India - Chief characteristics of Muslim architecture - Salient features of the contribution of Muslim to painting & music.

Books recommended

1. Tarachand : 'Influence of Islam on Indian Culture'
2. Iswari Prasad : 'History of Mediaeval India'
3. Quraishi : 'Administration of Sultans of Delhi'
4. Jadunath Sarkar : 'Mughal Administration'
5. Percy, Brown : 'Indian Architecture'
6. Percy, Brown : 'Indian Painting'
7. Arberry : 'Legacy of Islam'
8. A. M. Shastery : 'Outlines of Islamic Culture'
9. S. M. Jafar : 'The Cultural aspects of Muslim rule in India'.

Paper IV : Social Institution in Islam :

Social movements-its Islamic History-Equality of men inculcated by Islam-Muslim society with reference to sexes and laws of inheritance Marriage in Islam-Birth and early life-Position of women-Polygamy- Monogamy, result of development Divorce-Custom of female seclusion, Slavery abhorrent to Islam Feasts in Islam-Maharram-Sacred places in Iran, Mesopotamia and Arabia-Forms of devotional exercise superstitions-Koranic conception of present and future happiness. House-Furniture-Diet and Dress.

Book recommended

1. Syed Ameer Ali : 'Spirit of Islam'
2. A. M. A. Shashtry : 'Outline of Islamic Culture', Vol. II
3. — : 'The Legacy of Islam' (Article Crusades)
4. Levy : 'Sociology of Islam'
5. Khuda : 'Contribution to the History of Islamic Civilization' Two volumes (Calcutta University Press)
6. Levy : 'The Social Structure of Islam'
7. Siddiqui M. : 'Women in Islam'
8. — : 'Hercolts Islam in India'.

Paper V : Outline of Islamic Literature & Learning

Second Subsidiary Paper VII-Islamic Culture

Glimpses of Islamic Culture in India :

Spread of Islam in India with special reference of Gujarat Trade and Commerce-Military conquests-Saints-Conversion.

Prevalance of Arabic and Persian in India-Origin of Urdu-Spread of Sufism in India-Salient features of Muslim Administration, Architecture, Dress, Diet, music, painting in India.

Books recommended

1. Tarachand : 'Influence of Islam on Indian Culture'
2. I. H. Qureshi : 'Administration of the Sultans of Delhi'
3. Percy Brown : 'Indian Architecture' (relevant portion)
4. Percy Brown : 'Indian Painting' (Relevant portion)
5. Dr. Chhotubhai Naik : 'મધ્યયુગીન ભારત', ખંડ 2
6. Ratanamani Rao Jote : 'ગુજરાતનો સાંસ્કૃતિક ઇતિહાસ'
7. Dr. Chhotubhai Naik : 'અરબી-ફારસીની ગુજરાતી પર અસર', ભાગ-6
8. - : 'Tharikh-e-Adab-e-Urdu'
9. Philip Hitti : 'The Legacy of Islam'
10. Muhammad Mujeeb : 'India Muslims'.

STANDARD OF PASSING

R. Ext. Arts-8 :

SYBA (Ext) 79

To pass the Second B.A. (External) Examination a candidate must obtain atleast 36% of the mark in each subject.

Those of the successful candidates who obtain atleast 60% of the total marks obtainable will be placed in the First Class and those obtaining 48% of the total marks obtainable will be placed in the Second Class.

A candidate passing the examination will not be eligible for the Third or First B.A. Examination as a regular student by keeping terms.

R. Ext. Arts-9 :

A candidate who fails at the Second B.A. (External) Examination and has obtained 40% or more of the marks in English and 44% or more of the marks in any of the other subjects provided he has passed in that subject, shall at the option be excused from appearing in that subjects-at a subsequent examination and will be declared to have passed the whole Examination when he has passed in all remaining subjects of the examination. Provided that in the subject or subjects in which he appears on the last occassion, he must obtain the minimum number of the marks in each subject as required under R.Ext. Arts-8.

R. Ext. Arts-10 :

A candidate who has passed atleast in two subjects one of which must be an optional subject at the Second B.A. (External) Examination shall be allowed to register his name for the Third or Final B.A. (External) Examination, but shall not be declared to have passed the Second B.A. (External) Examination unless he passes in the previous of the same examination season in the remaining subject or subjects, His result for the Third Final B.A. Examination shall not be declared till he passes the Second B.A. (External) Examination. He will not be eligible for keeping terms for the Third or Final B.A. Examination as a regular student.

Provided, however, on his reappearing in the examination subject, in which he has failed if he obtains at least minimum marks required for passing in that subject notwithstanding his failure to clear all the subjects at one and same attempts, he will not be required to reappear in it.

R. Arts-14 (A) :

A candidate who failed at the B.A. (Sp.) or B.A.(Gen.) Examination under Old Course and has obtained exemption in English compulsory or in the total of eight optional papers will be entitled to claim exemption from the respective subject at the Second B.A. and the Third B.A. Examination in the manner stated herein below.

A candidate passing the examination in this manner shall not be eligible for a class a scholarship or any other award for the Examination.

No.	Subject which secured exemption in Old Course	Eligible for claiming exemption in the subject at the Second B.A. Examination	Third B.A. Examination
1.	Comp. English	Comp. English	Comp. English
2.	In eight optional papers	In special and subordinate subject in offering the same as Principal and subordinate Subject	In special subject in same subject offered as the B.A. (Old) Examination
B.A. General Examination			
1.	Comp. English	Comp. English	Comp. English
2.	In eight Optional papers	In subordinate subject only if the two papers offered are the same as offered B.A. (Gen.) Examination.	Nil

ORDINANCES OF EXTERNAL EXAMINATION

Ordinance 174-A :

(1) (i) An application for Registration as an external student by a candidate whose mother-tongue is Gujarati shall be endorsed in a prescribed form by a member of the Court of this University for the time-being or a Head Master of a High School in the Gujarat State or a Judicial Magistrate of the First Class or a Principal of an affiliated College of this University.

(ii) An application for Registration as an external student by a candidate whose mother-tongue is not Gujarati must be supported, in addition to the endorsement by any of the persons-mentioned in (i) above, by an affidavit that the candidate has been continuously staying for a period of not less than one year in the State of Gujarat immediately preceding his application for Registration.

SYBA (Ext) 80

(iii) A candidate whose mother-tongue is not Gujarati and desires Registration for the external examination on the basis of the last examination passed from any of the University in the State of Gujarat. If recognised by this University shall be exempted from the condition shown in clause (ii) as above.

(2) No student whose name is registered in a college or at the University during an academic year for any course either in the Arts Faculty or in other Faculty shall be registered as an external student during that academic year except in exceptional cases to be sanctioned by the Executive Council.

(3) Every student intending to register as an external student must obtain from the Registrar, the appropriate registration form this duly completed must be received at the University together with the Registration fee on or before the last date prescribed for receiving applications in this behalf. It will, however, be competent for the Registrar to accept, in his discretion, applications received after the prescribed date with the late fee.

(4) The Registrar shall send before 28th February, and official intimation of registration to every student who has applied for registration and paid necessary fees, provided the application is in order.

(5) Registration for an external examination is valid only for the particular Examination and for the same year and it cannot be reserved or transferred for any subsequent examination.

A candidate who has once registered himself for an external examination and appeared and failed at that examination can appear at a subsequent examination only after a fresh Registration.

Ordinance 174-B :

No candidate who has appeared at any examination as an external student shall be eligible for any scholarship, prize, medal or other award of the University Examination, which is not specifically reserved for external students.

Ordinance 174-C :

Exemption earned by candidate at an external examination may be claimed only if the candidate appears subsequently as an external candidate.

Ordinance 174-D :

A candidate appearing at any external examination shall be required to affix on the space provided on the examination form his pass-port-size photograph duly signed by him and certified by either (1) a Government Gazetted Officer, or (2) a Principal of the College affiliated to this University, or (3) any other member of the Court of this University, or (4) the Head Master of a recognised High School in the State of Gujarat.

Registration fees once paid by the candidates shall be refundable as per the following Rule :

- (1) If a candidate expires prior to the date of the commencement of the examination, full fees will be refunded to the First claimant, such claimant being his / her kith and kin.

N.B.—Refund, if any, will be made after the declaration of the result.

By Order,
M. S. Shah (Offg.)
Registrar.

