

Second M.B.,B.S. Examination
Forensic Medicine

Date : 17-07-2019, Wednesday]
[Time : 2 Hours

[Max. Marks : 40

- Instructions : (1) Figure to the right indicates marks.
(2) Draw diagram wherever necessary.
(3) Write legibly.

Q. 1. Describe briefly. (Any 2)

2x5 Marks = 10 Marks

- (a) Define Death. Describe types of death, modes of death, manners of death.
(b) Define Drowning. Name various types of drowning and causes of death. Describe postmortem findings in a case of typical drowning.
(c) Describe signs, symptoms, management and postmortem findings in case of Organophosphorus poisoning.

Q. 2. Write short notes on (Any 3)

3x4 Marks = 12 Marks

- (a) Methyl alcohol poisoning
(b) Suis
(c) Types of skull fractures
(d) Civil responsibility of Insane

Q. 3. Write short notes on (Any 3)

3x4 Marks = 12 Marks

- i Rule of Nine
ii Dactylography
iii Greivous Hurt
iv Ricochet Bullet

Q. 4. Write answer in two or three sentences (Any 6)

1x6 Marks = 6 Marks

- i Cocaine Bugs
ii Incest
iii Vitriolage
iv Obscure autopsy
v Bumper Fracture
vi Functions of State medical council
vii Vicarious Liability
viii Infanticide
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Second M.B.,B.S. Examination
Micro-Biology
Paper-I

Date : 11-07-2019, Thursday]

[Max. Marks : 40

[Time : 2 Hours

- Instructions :** (1) Figure to the right indicates marks.
(2) Draw diagram wherever necessary.
(3) Write legibly.

Q 1. Write briefly (any two out of three)

(10)

- a) Name various antigen-antibody reactions and describe the Principle and applications of precipitation reactions.
- b) Discuss laboratory diagnosis of Enteric fever .
- c) Define Biomedical waste (BMW), its segregation and techniques used for the treatment and disposal of BMW

Q 2. Write short notes (any three out of four)

(12)

- a) Genetic mechanism of drug resistance
- b) Methods of anaerobic culture
- c) Active immunity
- d) Laboratory diagnosis of tuberculosis

Q 3. Write short notes (any three out of four)

(12)

- a) Type II (cytotoxic) hypersensitivity reaction
- b) Laboratory diagnosis of Meningitis
- c) Relapsing fever
- d) Monoclonal antibodies

Q 4. Write answers in short (any six)

(6)

- a) Iatrogenic infections
 - b) Transport media
 - c) Prozone phenomenon
 - d) Enumerate infectious agents transmitted via blood transfusion
 - e) Coagglutination
 - f) Quellung reaction
 - g) Non-gonococcal urethritis (NGU)
 - h) Pseudomembranous colitis
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Second M.B.,B.S. Examination
Pathology
Paper-I

Date : 06-07-2019, Saturday]
[Time : 2 Hours

[Max. Marks : 40

- Instructions :** (1) Figure to the right indicates marks.
(2) Draw diagram wherever necessary.
(3) Write legibly.

Q 1 . Write short Notes on (any two) (10 Marks)

- A. Define shock & write pathogenesis of septic shock
- B. Apoptosis
- C. Chemical Mediators of inflammation

Q2 Write short Notes on (any three) (12 Marks)

- A. Leukamoid Reaction
- B. Types of Giant cells
- C. Acute myeloid leukaemia
- D. Hodgkin 's Lymphoma

Q3 Write short Notes on (any three) (12 Marks)

- A. Microscopic Examination of urine
- B. Infarction
- C. Maturation Index
- D. Lab Diagnosis of tubercular meningitis

Q4 Answer to the Point (any Six) (06 Marks)

- A. Coagulative Necrosis
 - B. Atrophy
 - C. sickle cell anaemia
 - D. Parasites in pap's smear
 - E. Air embolism
 - F. Antemortem & Postmortem thrombi
 - G. Reticulocyte count
 - H. Healing by primary intention
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Second M.B.,B.S. Examination
Pharmacology
Paper-I

Date : 01-07-2019, Monday]

[Max. Marks : 40

[Time : 2 Hours

- Instructions : (1) Figure to the right indicates marks.
(2) Draw diagram wherever necessary.
(3) Write legibly.

Q1. Write notes on any 2 (2 x 5 = 10 marks)

- Classify drugs for Bronchial asthma. Write mechanism of action, pharmacological actions, therapeutic uses and adverse effects of salbutamol
- Classify antianginal drugs. Write mechanism of action, pharmacological actions, therapeutic uses and adverse effects of nitrates.
- Classify antidepressant drugs. Write mechanism of action, pharmacological actions, therapeutic uses and adverse effects of fluoxetine.

Q2. Write short notes on any 3 (3 x 4 = 12 marks)

- Alpha blockers
- Kinetics of drug elimination
- Receptors
- Nasal decongestant

Q3. Write short notes on any 3 (3 x 4 = 12 marks)

- Drug treatment of Migraine
- Drug treatment of Myasthenia gravis
- Drug treatment of left ventricular failure
- Drug treatment of Parkinsonism

Q4. Write answer in 2-3 sentences, attempt any 6 (6 x 1 = 6 marks)

The pharmacological basis for the use of

- Morphine in myocardial infarction
- Isoxsuprine in threatened abortion
- Prostaglandins in peptic ulcers
- Tamsulosin in benign prostatic hypertrophy
- Hypertonic mannitol in glaucoma
- Levocetirizine in allergic disorders
- Glycopyrrolate in preanaesthetic medication
- Valproic acid in generalised tonic clonic seizures

Second M.B.,B.S. Examination
Micro-Biology
Paper-II

Date : 15-07-2019, Monday]

[Max. Marks : 40

[Time : 2 Hours

- Instructions :** (1) Figure to the right indicates marks.
(2) Draw diagram wherever necessary.
(3) Write legibly.

Q 1. Write briefly (any two out of three) (10)

- a) Describe the laboratory diagnosis of fungal infections.
- b) Discuss the life cycle, pathogenesis and laboratory diagnosis of Ascariasis.
- c) Describe the laboratory diagnosis of infections caused by hepatitis B virus.

Q 2. Write short notes (any three out of four) (12)

- a) Mucormycosis
- b) Laboratory diagnosis of Malaria.
- c) Describe the prophylaxis of rabies.
- d) Cysticercosis

Q 3. Write short notes (any three out of four) (12)

- a) Cryptococcosis
- b) Extraintestinal amoebiasis
- c) Strategies for HIV testing in India.
- d) Oral Polio Vaccine (OPV)

Q 4. Write answers in short (any six) (6)

- a) Inclusion bodies
 - b) Germ tube test
 - c) Subacute Sclerosing Pan-encephalitis (SSPE)
 - d) NIH Swab
 - e) Viruses causing gastroenteritis
 - f) Keratomycosis
 - g) Occult filariasis
 - h) Enumerate parasites causing dysentery
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Second M.B.,B.S. Examination
Pathology
Paper-II

Date : 09-07-2019, Tuesday]

[Max. Marks : 40

[Time : 2 Hours

- Instructions : (1) Figure to the right indicates marks.
(2) Draw diagram wherever necessary.
(3) Write legibly.

Q1. Write short Notes on (any two) (10 Marks)

- A. Viral Hepatitis
- B. Inflammatory Bowel disease
- C. Swine flu

Q2 Write short Notes on (any three) (12 Marks)

- A. Lab Approach to a case of Anaemia
- B. Liver function tests
- C. Role of enzymes in various diseases
- D. Thyroiditis

Q3 Write short Notes on (any three) (12 Marks)

- A. Infections in HIV
- B. Complications in diabetes
- C. Cardiomyopathies
- D. Post streptococcal Glomerulonephritis

Q4 Answer to the Point (any Six) (06 Marks)

- A. Helicobacter pylori
 - B. Aschoffs Nodules
 - C. Stages of pneumonia
 - D. Hansen's disease
 - E. Phyllodes tumor
 - F. Hematuria
 - G. Glioblastoma Multiforme
 - H. Glycosylated Hb
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Second M.B.,B.S. Examination
Pharmacology
Paper-II

Date : 03-07-2019, Wednesday]

[Max. Marks : 40

[Time : 2 Hours

- Instructions : (1) Figure to the right indicates marks.
(2) Draw diagram wherever necessary.
(3) Write legibly.

Q1. Write notes on any 2 (2 x 5 = 10 marks)

- Classify oral hypoglycaemic drugs. Write mechanism of action, pharmacological actions, therapeutic uses and adverse effects of Metformin
- Classify antitubercular drugs. Write mechanism of action, pharmacological actions, therapeutic uses and adverse effects of Rifampin.
- Classify fluoroquinolones. Write mechanism of action, pharmacological actions, therapeutic uses and adverse effects of ofloxacin.

Q2. Write short notes on any 3 (3 x 4 = 12 marks)

- Newer insulins
- Antiemetic drugs
- Aminoglycosides
- Bisphosphonates

Q3. Write short notes on any 3 (3 x 4 = 12 marks)

- SERM (selective estrogen receptor modulators)
- Anabolic steroids
- Beta lactamase inhibitors
- Newer antimalarial drugs

Q4. Write answer in 2-3 sentences, attempt any 6 (6 x 1 = 6 marks)

The pharmacological basis for the use of

- Ceftriaxone in the typhoid fever
- Metronidazole in the anaerobic infection
- Prokinetic drugs in the GERD (gastro-esophageal reflux disease)
- Sildenafil in erectile dysfunction
- Oxytocin in PPH (post-partum haemorrhage)
- Mifepristone as emergency contraceptive
- Corticosteroid in thyroid storm
- Cilastatin along with Imipenem

