

## Second B.D.S. Examination

## General and Dental Pharmacology &amp; Therapeutics

Date : 01-07-2019, Monday]

[Max. Marks : 70

[Time : 3 Hours

- Instructions :** (1) Figure to the right indicates marks.  
(2) Draw diagram wherever necessary.  
(3) Write legibly.  
(4) Use Separate answer books for each section.

SECTION - I

1. Write on (any **TWO** out of three): (7x2=14)
- Classify anti-anginal drugs. Describe mechanism of action, uses and adverse effects of Glyceryl trinitrate.
  - Write a note on plasma protein binding.
  - Classify the skeletal muscle relaxants. Write uses and adverse effects of centrally acting muscle relaxants.
2. Write short notes on (any **THREE** out of four): (5x3= 15)
- Photosensitivity reactions
  - Bioavailability
  - Second generation antihistaminics
  - Non- cardiovascular uses of beta blockers
3. Write in one or two sentences (any **SIX** out of eight): (1x6= 6)
- Name two K<sup>+</sup> channel openers.
  - Difference between affinity & intrinsic activity.
  - What is Placebo?
  - Why adrenaline is added with lignocaine?
  - Write extrapyramidal side effects of antipsychotics.
  - Write two drugs for acute heart failure.
  - Write two COX-2 inhibitors.
  - Write two SSRI.

SECTION - II

4. Write on (any **TWO** out of three): (7x2= 14)
- Classify antitubercular drugs. Write mechanism of action, uses and adverse effects of Rifampicin.
  - Write a note on Fluoroquinolones.
  - Describe dental caries and drugs used for its treatment.
5. Write short notes on (any **THREE** out of four): (5x3=15)
- Disclosing agents
  - Styptics
  - Obtundents
  - Antibiotic resistance
6. Write in one or two sentences (any **SIX** out of eight): (1x6= 6)
- What is Ondansetron?
  - Write two antithyroid drugs.
  - Write two Broad spectrum antibiotics.
  - Enumerate toxicities produced by aminoglycosides.
  - Name two proton pump inhibitors.
  - Write heparin antidote.
  - Name two drugs for MRSA infection.
  - What are anabolic steroids?



**Second B.D.S. Examination**  
**General Pathology & Microbiology**

**Date : 03-07-2019, Wednesday]**

**[Max. Marks : 70**

**[Time : 3 Hours**

- Instructions :** (1) Figure to the right indicates marks.  
(2) Draw diagram wherever necessary.  
(3) Write legibly.  
(4) Use Separate answer books for each section.

**Section I (General Pathology)**

- Q.1. Write Notes: (any Two) (7x2=14)
- a) Define Inflammation. Describe the cellular events of Acute Inflammation.
  - b) Define Pigmentation. Describe the types of Endogenous Pigments.
  - c) Define Necrosis. Describe the nuclear and cytoplasmic changes in Necrosis.
- Q.2. Write short answers: (any three) (5x3=15)
- a) Define Amyloidosis. Describe the diagnostic staining methods of Amyloidosis.
  - b) Define Embolism. Describe Air Embolism
  - c) Describe healing of Bone fracture.
  - d) Giant cell tumours of Bone.
- Q.3. Answer briefly: (any six) (1x6=6)
- a) Write differences between Metaplasia and Dysplasia.
  - b) Write differences between Hyperplasia and Hypertrophy.
  - c) Bone marrow picture in Megaloblastic Anemia.
  - d) Absolute Eosinophilic count.
  - e) Define Granuloma in chronic inflammation.
  - f) Enumerate the different methods of Hemoglobin estimation.
  - g) Write difference between Benign and Malignant tumours.

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**SECTION II (Parasitology & Microbiology)**

- 4 Write on any two of following : (7 X 2 = 14)
- (a) Define sterilization. Describe any five physical methods of sterilization.
  - (b) Define Hypersensitivity reaction and types of it. Describe any one of them.
  - (c) Pathogenesis and laboratory diagnosis of Malaria.
- 5 Write short notes on any three of following : (5 X 3 = 15)
- (a) Immunoglobulin
  - (b) HIV
  - (c) Oral lesion of Syphilis
  - (d) Oral thrush
- 6 Write very short answers on any six of following : (1 X 6 = 06)
- (a) Contribution of Louis Pasteur in Microbiology
  - (b) Difference between Gram Positive and Gram Negative cell wall
  - (c) Flagella
  - (d) Tetanus
  - (e) Universal Precaution
  - (f) Hepatitis B
  - (g) Enlist different culture medium
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**Second B.D.S. Examination  
Dental Materials**

Date : 06-07-2019, Saturday]

[Max. Marks : 70

[Time : 3 Hours

- Instructions :** (1) Figure to the right indicates marks.  
 (2) Draw diagram wherever necessary.  
 (3) Write legibly.  
 (4) Use Separate answer books for each section.

**Section -I**

1. **Write long essay (any two)** 14
  - a. Classify Impression materials. Discuss composition, uses and manipulation of Alginate impression material.
  - b. Classify Denture base resins. Discuss physical stages of polymerization of Acrylic Resin.
  - c. Classify Dental Waxes. Discuss Blue Inlay Wax in detail.
2. **Write short notes (any three)** 15
  - a. Dental Ceramic
  - b. Hardness
  - c. Soldering and Welding
  - d. Karat and Fineness
3. **Write in one/two sentences (any six)** 06
  - a. Contact angle
  - b. What is Die?
  - c. Flux
  - d. Ring liner
  - e. Modulus of Elasticity
  - f. What is Hue?
  - g. Abrasive agents
  - h. Composition of Addition Silicone

**Section II**

4. **Write long essay (any two)** 14
    - a. Classify Dental Amalgam. Discribe Manipulation of Dental Amalgam.
    - b. Classify Casting Defects. Discuss causes of porosities in detail
    - c. Classify Dental cements. Discuss uses, types, setting mechanism and properties of Glass Ionomer cement.
  5. **Write short notes (any three)** 15
    - a. Cavity liners and Bases
    - b. Separating Media
    - c. Base Metal Alloys
    - d. Gypsum bonded Investment materials
  6. **Write in one/two sentences (any six)** 06
    - a. Stress and Strain
    - b. Accelators and Retarders
    - c. Galvanism
    - d. Hygroscopic setting expansion
    - e. Eutectic Alloy
    - f. Elastic impression materials
    - g. Luting agents
    - h. Setting reaction of Zinc Phosphate cement
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Candidate's Seat No : \_\_\_\_\_

Second B.D.S. Examination

General Anatomy Including Embryology & Histology

Date : 24-07-2019, Wednesday]

[Max. Marks : 70

[Time : 3 Hours

- Instructions :** (1) Figure to the right indicates marks.  
(2) Draw diagram wherever necessary.  
(3) Write legibly.  
(4) Use Separate answer books for each section.

**SECTION-I**

**Q.1 Write notes (Any two)**

**14**

- (1) Larynx
- (2) Lateral wall of nose
- (3) Tongue

**Q.2 Write Short Notes (Any three)**

**15**

- (1) Coronary arteries
- (2) Muscles of the eyeball
- (3) Blood supply of stomach
- (4) Liver

**Q.3 Answer (Any six)**

**06**

- (1) Name the muscle innervated by glossopharyngeal nerve.
- (2) What is Trismus?
- (3) What is black eye?
- (4) Enumerate the branches of the external carotid artery.
- (5) What is Ludwig's angina?
- (6) Name the structure passing through foramen ovale.
- (7) What is Torticollis?
- (8) What is Quinsy?

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First B.D.S. Examination  
General Anatomy including Embryology & Histology

SECTION-II

- Q.4 Write notes (Any two)** **14**
- (1) Muscles of Mastication
  - (2) Parotid gland
  - (3) Lacrimal apparatus
- Q.5 Write Short Notes (Any three)** **15**
- (1) Development of Face
  - (2) Fertilization
  - (3) Histology of Tooth
  - (4) Nerve supply of Scalp
- Q.6 Answer (Any six)** **06**
- (1) Name the cells responsible for myelination in nervous system.
  - (2) What is Holocrine gland? Give one example.
  - (3) What is Osteon?
  - (4) What is Morula?
  - (5) What is CSF Rhinorrhoea?
  - (6) Enumerate adult derivatives of notochord.
  - (7) Give at least two examples of hyaline cartilage.
  - (8) Give two common sites for giving intramuscular injection.
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