

Second B.D.S. Examination

General and Dental Pharmacology & Therapeutics

Date : 02-01-2019, Wednesday]

[Max. Marks : 70

[Time : 3 Hours

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

SECTION I

Q.1 Write on (Any Two out of Three)

(7x2=14)

- a- Define bioavailability. Describe factors affecting bioavailability of drugs.
- b- Describe advantages & disadvantages of parenteral route.
- c- Describe mechanism of action & therapeutic uses of Lignocaine.

Q-2 Write short notes on (any THREE out of four)

(5x3=15)

- a- Nitroglycerine in Angina
- b- Benzodiazepines
- c- Salbutamol
- d- Side effects & therapeutic uses of Atenolol

Q.3. Write in one or two sentences (any Six out of eight)

(1x6=6)

- a. Mention two names of Opioid antagonists.
- b. Mention two name of Atropine substitutes.
- c. Mention two drugs which produce Teratogenicity.
- d. Mention two side effects of Enalapril.
- e. Mention two names of reversible anticholinesterases.
- f. define Astringent. Give one example of Astringent.
- g-Define plasma half life.
- h- Give 2 differences between Aspirin & Paracetamol.

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SECTION II

Q.4. (any TWO out of three)

(7x2=14)

- a- Classify antibiotics. Describe mechanism of action & therapeutic uses of Penicillin-G.
- b- Oral hypoglycaemic agents
- c- First line anti -TB drugs

Q-5 Write short notes on --(any Three out of four)

(5x3=15)

- a- Obtundants
- b- Chlorhexidine
- c- Ciprofloxacin
- d- H2 receptor blockers

Q.6. Write in one or two sentences (any SIX out of eight)

(1x6=6)

- a- Give Two name of Styptics.
 - b- Give Two differences between Heparin & Warfarin.
 - c- Mention Two name of thrombolytics.
 - d- Why statins are given in the night ?
 - e- Define Laxative & Purgative.
 - f- Name Two side effects of Aminoglycosides.
 - g- Name Two side effects & Two therapeutic uses of corticosteroids
 - h- Name Two topical anti fungal drugs.
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Second B.D.S. Examination
General Pathology & Microbiology

Date : 04-01-2019, Friday]

[Max. Marks : 70

[Time : 3 Hours

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

Section I (General Pathology)

Q. 1 Write notes: (any two) (7 X 2 = 14)

- a.) Define Chronic inflammation. Give its types and describe Chronic Granulomatous Inflammation.
- b.) Define Pathological Calcification. Describe its types.
- c.) Define Necrosis. Describe its types with Examples.

Q. 2 Write Short Answer (any three) (5 X 3 = 15)

- a.) Define Amyloidosis. Write its Chemical & Physical Nature.
- b.) Define Thrombosis. Describe its etiopathogenesis.
- c.) Healing by Primary Intention.
- d.) Basal Cell Carcinoma.

Q. 3 Answer Briefly (any Six) (1 X 6 = 06)

- a.) Define Apoptosis. Give its 2 Examples.
- b.) Peripheral Smear findings in Megaloblastic Anemia.
- c.) Normal Range of Total Leukocyte Count. What is Leukopenia?
- d.) Enumerate Precancerous Lesions of Oral Cavity
- e.) What is Dentigerous cyst?
- f.) packed Cell Volume- Normal Value and Significance.
- g.) Define Hypertrophy and Hyperplasia.

P.T.O.]

General Pathology & Microbiology

Section-2 (Microbiology & Parasitology)

Q-4: Write on (any two out of three)

(7x2=14)

- a. Horizontal gene transfer in bacteria
- b. Immune structure and function of thymus.
- c. Types of graft rejection.

Q-5: Write short note on (any three out of four)

(5x3=15)

- a. Pathogenicity of mycobacterium tuberculosis.
- b. Pathogenesis and clinical manifestations of HIV / AIDS.
- c. Viral markers of HBV infection.
- d. Candidiasis – clinical manifestations

Q-6: Write very short answers (any six out of seven)

(1x6=6)

- a. Explain the principle of autoclaving.
 - b. Explain 'molecular mimicry' mechanism of autoimmunity.
 - c. Explain how 'Mutans' streptococci cause dental caries.
 - d. Enlist Herpes viruses causing oral lesions.
 - e. Enlist mycotic oral lesions.
 - f. Enlist the parasitic diseases transmitted by mosquito.
 - g. Enlist the helminths infections acquired through oral route.
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**Second B.D.S. Examination
Dental Materials**

Date : 08-01-2019, Tuesday]

[Time : 3 Hours

Instructions : (1) Answer to the point.

(2) Figure to the right indicates marks.

(3) Draw diagrams wherever necessary.

(4) Write legibly.

(5) Use separate answer books for each section.

SECTION I

1. Long Essay (write any two) (7x2=14)
- (a) Classify gypsum products. Describe the manufacturing process, setting reaction and uses of dental stone in detail.
- (b) Classify casting defects. Discuss the causes of porosities in detail.
- (c) Classify Dental Composites. Write in detail about the composition, properties, indications and contraindications of Dental Composites.

2. Short Notes (write any three) (5x3=15)

- (a) Hue, value & chroma
(b) Tarnish and corrosion
(c) Classification of Dental Ceramic
(d) Syneresis & Imbibition

3. Short Answers (write any six) (6x1=6)

- (a) Proportional Limit
(b) Non eugenol pastes
(c) Rake Angle
(d) Impression Trays
(e) Galvanic Shock
(f) Mat foil gold
(g) Soldering
(h) Sprue former

SECTION II

4. Long Essay (write any two) (7x2=14)
- (a) Describe the composition, setting reaction, properties and uses of zinc phosphate cements.
- (b) Classify denture base resins. Write in detail about heat cure denture base materials.
- (c) Classify dental amalgam. Write in detail about high copper amalgam.

5. Short Notes (write any three) (5x3=15)

- (a) Gypsum bonded investment material
(b) Inlay casting wax
(c) Condensation silicone elastomers
(d) Resin modified GIC

6. Short Answers (write any six) (6x1=6)

- (a) Mercury toxicity
(b) Flux & Antiflux
(c) Carat & Fineness
(d) Acrylic teeth
(e) Dentifrices
(f) Amelating
(g) Coupling Agents
(h) Cavity Varnish

