

II – B.D.S. (2008 COURSE) : SUMMER - 2019

SUBJECT: DENTAL MATERIALS

Day: Monday
Date: 10/06/2019

Time: 09.00 AM TO 12.00 NOON
Max. Marks: 70

S-2019-4044

N.B.:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SEPARATE** answer book.
- 4) Draw neat labeled diagrams **WHEREVER** necessary.

SECTION-I

- Q.1** Long Essay Questions: (Any **ONE**) **(10)**
- a) Classify Dental ceramics. Write its composition. Write a note on metal ceramics.
 - b) Classify Denture base resins. Give the composition of heat activated resins. Explain in detail the compression molding technique.
- Q.2** Short Essay Questions: (Any **THREE**) **(15)**
- a) Write a short note on Dentrifices.
 - b) Steps in casting procedure.
 - c) Write a note on reversible hydrocolloids.
 - d) Write a short note on Inlay casting wax.
- Q.3** Short answer Questions: (Any **FIVE**) **(10)**
- a) Enumerate various dental implant materials.
 - b) Classify casting Defects.
 - c) Enumerate temporary Crown and Bridge materials.
 - d) Stress and strain.
 - e) Composition of Zinc-Oxide eugenol impression paste.
 - f) Imbibition and Syneresis.

SECTION-II

- Q.4** Long Essay Questions: (Any **ONE**) **(10)**
- a) Classify luting cements and describe GIC in detail.
 - b) What is amalgam? Describe the composition and amalgamation reaction of silver amalgam. Write a note on high copper silver amalgam alloy.
- Q.5** Short Essay Questions: (Any **THREE**) **(15)**
- a) Classify composites and write a note on steps in composite filling.
 - b) Write a note on die materials used in dentistry.
 - c) Cavity varnish, bases and liners.
 - d) Write a note on Zinc phosphate cement.
- Q.6** Short answer Questions: (Any **FIVE**) **(10)**
- a) Define Adhesion and cohesion. State its importance.
 - b) What is metamerism? State its significance in dentistry.
 - c) Define Tarnish and Corrosion.
 - d) Enumerate different anterior restorative materials.
 - e) Define hardness. Enumerate tests for hardness.
 - f) Dimensions of color.

II – B.D.S. (2008 COURSE) : SUMMER - 2019
SUBJECT: GENERAL AND DENTAL PHARMACOLOGY AND THERAPEUTICS

Day: Tuesday
Date: 04/06/2019

Time: 09.00 AM TO 12.00 NOON
Max. Marks: 70

S-2019-4042

N.B:

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Both the sections should be written in **SEPARATE** answer book.
- 4) Draw neat labeled diagram **WHEREVER** necessary.

SECTION-I

- Q.1** Long Essay Questions (**ANY ONE**): **(10)**
- a) Classify anti-anginal drugs. Give mechanism of action, uses and adverse effects of nitroglycerine.
 - b) Classify β blockers with examples. Mention cardiac and non-cardiac uses of β blockers with explanation and drug used for the same use.
- Q.2** Short Essay Questions (**ANY THREE**): **(15)**
- a) Define obtundents. Classify obtundents and describe any one agent in detail.
 - b) Mention properties of ideal dentifrice. Enumerate the ingredients of dentifrices and role of each.
 - c) What are astringents? Classify them and mention their uses.
 - d) Define and enlist mummifying agents. Describe the mechanism of action and adverse effects of tannic acid.
- Q.3** Write short answer (**ANY FIVE**): **(10)**
- a) Mention two anticholinergic drugs with their uses.
 - b) Explain the term prodrug giving examples.
 - c) Enumerate different types of drug antagonism and explain competitive antagonism.
 - d) Comment on the use of spironolactone in combination with thiazides.
 - e) Explain role of mucolytics in productive cough.
 - f) Give 2 examples of prokinetic agents and mention their uses.

SECTION-II

- Q.4** Long Essay Questions (**ANY ONE**): **(10)**
- a) Enumerate antiplatelet drugs. Describe mechanism of action, uses and precautions while using these drugs.
 - b) Classify antiepileptic agents. Describe mechanism of action, uses and adverse effects of phenytoin.
- Q.5** Short Essay Questions (**ANY THREE**): **(15)**
- a) Ciprofloxacin- mechanism of action, uses and adverse effects.
 - b) Name two intravenous general anesthetics and describe salient features of any one of them.
 - c) Discuss preparations and uses of Insulin.
 - d) Name two H_1 anti-histaminics and discuss their uses.
- Q.6** Write short answer (**ANY FIVE**): **(10)**
- a) Mention 4 uses of chloroquine
 - b) Diclofenac-identify the drug and enumerate its uses.
 - c) Name two opioid analgesics and list their uses.
 - d) Mention 2 uses and 2 serious adverse effects of oral contraceptive pills.
 - e) Comment on the combination of Amoxicillin and clavulanic acid.
 - f) Define bacteriostatic agent giving examples.

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II – B.D.S. (2008 COURSE) : SUMMER - 2019
SUBJECT : GENERAL PATHOLOGY AND MICROBIOLOGY

Day : Friday
Date : 07/06/2019

Time : 09.00 AM TO 12.00 NOON
Max. Marks : 70

S-2019-4043

N.B. :

- 1) All questions are **COMPULSORY**.
- 2) Figures to the right indicate **FULL** marks.
- 3) Each section should be written in a **SEPARATE** answer book.
- 4) Draw neat diagrams **WHEREVER** necessary.

SECTION – I

- Q.1** Describe pathogenesis of oedema. Describe pulmonary oedema in detail. (10)
- OR**
- Q.1** Define inflammation. Enumerate causative agents of inflammation. Enumerate the mechanisms of increased vascular permeability. Describe phagocytosis. (10)
- Q.2** Write short notes (**ANY THREE**) (15)
- a) Describe the gross and microscopy of fatty liver.
 - b) Define repair. Describe healing of a skin wound by secondary intention.
 - c) Classify carcinogens. Write in short about radiation carcinogenesis.
 - d) Enumerate causes of iron deficiency anemia and describe its laboratory diagnosis.
- Q.3** Write short answers on (**ANY FIVE**) (10)
- a) Define neoplasia. Enumerate the routes of metastasis of malignant tumours.
 - b) Enumerate the investigations done in a case of myocardial infarction.
 - c) Clinical features of Vitamin D deficiency.
 - d) Define secondary amyloidosis. Name the organs affected by this.
 - e) Pathogenesis of atherosclerosis.
 - f) Caseous necrosis

SECTION – II

- Q.4** Classify viruses with suitable examples. Write the differences between bacteria and viruses. Describe the laboratory diagnosis of viral infections. (10)
- OR**
- Q.4** Enumerate pyogenic cocci. Describe the morphology, cultural characteristics, biochemical reactions, toxins and enzymes produced and pathogenicity of *Staphylococcus aureus*. Describe the laboratory diagnosis of Staphylococcal infections. (10)
- Q.5** Write short notes (**ANY THREE**) (15)
- a) Define autoimmunity. Describe the mechanisms and examples of autoimmune diseases.
 - b) Write the pathogenicity of *Corynebacterium diphtheria*. What are the complications of diphtheria? How would you immunize a person against Diphtheria?
 - c) Enumerate agents causing mycetoma and discuss laboratory diagnosis of mycetoma.
 - d) Define disinfectants. Classify and write the mode of action of disinfectants.
- Q.6** Write short answers on (**ANY FIVE**) (10)
- a) Contributions of Louis Pasteur.
 - b) Enumerate the methods of anaerobiosis.
 - c) Differentiate between exotoxins and endotoxins.
 - d) Enumerate the developmental stages of *Plasmodium* species in human cycle.
 - e) Write the laboratory diagnosis of oral candidiasis.
 - f) Enumerate standard tests for diagnosis of syphilis.

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