

II – B.D.S. (2008 COURSE) : WINTER 2020
SUBJECT : DENTAL MATERIALS

Day : **Friday**
Date : **25-06-2021**

Time : **9:00AM-TO 12:00**
Max. Marks : 70 **NOON.**

W-2020-5756

N.B.

- 1) All questions are **COMPULSORY**.
- 2) Figures to the **RIGHT** indicate **FULL** marks.
- 3) Answer 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) Write ideal requirements and classification of impression materials. Discuss composition, setting reaction, setting time, manipulation of Zinc –Oxide Eugenol paste.
 - b) Write classification of Dental Casting Alloys. Classify and discuss casting defects.
- Q.2** Short Essay Questions : (**ANY THREE**) (15)
- a) Write composition and manipulation of Inlay Casting Wax.
 - b) Write a short note on finishing and polishing agents.
 - c) Write in brief above Irreversible hydrocolloid.
 - d) Classify Gypsum Products and write in short about Type III Gypsum products.
- Q.3** Short answer questions : (**ANY FIVE**) (10)
- a) Classification of Dental ceramics
 - b) Composition of chemically activated denture base resin.
 - c) Enumerate elastomeric impression materials.
 - d) Enumerate temporary crown and bridge materials.
 - e) Define stress and strain.
 - f) Composition of dentrifices.

SECTION – II

- Q.4** Long Essay Questions: (**ANY ONE**) (10)
- a) Describe the term composite resin. Classify dental composite resins. Add a note on hybrid composites.
 - b) Describe zinc phosphate luting cement in detail.
- Q.5** Short Essay Questions : (**ANY THREE**) (15)
- a) Write a short note on Type I and Type II GIC.
 - b) 18–8 stainless steel.
 - c) Cavity varnish, base and liner.
 - d) High copper silver amalgam alloy.
- Q.6** Short answer questions : (**ANY FIVE**) (10)
- a) Define tarnish and corrosion.
 - b) Define soldering and welding.
 - c) Mention three dimensions of colour.
 - d) EAMES technique.
 - e) Define creep and write types of creep.
 - f) Classify luting cements.

II – B.D.S. (2008 COURSE) : WINTER – 2020
SUBJECT : GENERAL PATHOLOGY & MICROBIOLOGY

Day : Wednesday
Date : 23.06.2021

Time : 9.00 A.M. To 12.00
Max. Marks : 70 Noon.

W2020-5754

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 diagram **WHEREVER** necessary.

SECTION – I

- Q.1** Long Essay **ANY ONE** of the following: (10)
- a) Define thrombosis. Describe its pathogenesis.
- OR**
- b) Define inflammation. Describe vascular events of inflammation.
- Q.2** Write short notes on **ANY THREE** of the following: (15)
- a) Differences between benign and malignant tumours.
 - b) Metastasis
 - c) Stages of labour pneumonia
 - d) Nutritional deficiency anemias
- Q.3** Write short answers on **ANY FIVE** of the following: (10)
- a) Enumerate the types of necrosis with one example of each of them.
 - b) Dry gangrene
 - c) Effects of Pulmonary embolism
 - d) Complications of fracture healing
 - e) Lab investigations in a case of myocardial infarction
 - f) Ghon complex

SECTION – II

- Q.4** Long Essay **ANY ONE** of the following: (10)
- a) Describe the morphology, cultural characteristics and pathogenicity of *Mycobacterium tuberculosis*. Describe the laboratory diagnosis of pulmonary tuberculosis. How would you immunise a person against tuberculosis.
- OR**
- b) Enumerate pyogenic microorganisms. Describe the morphology cultural characteristics, toxins, enzymes produced and pathogenicity of *Streptococcus pyogenes*. Discuss the laboratory diagnosis of Streptococcal infections.
- Q.5** Write short notes on **ANY THREE** of the following: (15)
- a) Enumerate cariogenic organisms. Describe factors affecting dental caries.
 - b) Describe viruses causing orofacial lesions.
 - c) Define autoimmunity. Write the mechanisms of autoimmunity.
 - d) Enumerate the methods of anaerobiasis. Describe the morphology, toxins and enzymes produced and pathogenicity of *Clostridium welchii*.
- Q.6** Write short notes on **ANY FIVE** of the following: (10)
- a) Elek's gel precipitation test.
 - b) Define definitive host and intermediate host with example.
 - c) Write the various modes of transmission of disease with examples.
 - d) What are the plasmids? Write the role of plasmids.
 - e) Enumerate the oral lesions in Syphilis.
 - f) Write the morphological classification of fungi with examples.

* * *

II- B.D.S. (2008 COURSE) : WINTER 2020
SUBJECT : GENERAL AND DENTAL PHARMACOLOGY AND THERAPEUTICS

Day : Monday

Date : 21-06-2021

W-2020-5755

Time : 9:00 AM TO 12:00 NOON
Max. Marks : 70

N.B.

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

SECTION – I

- Q.1 Long Essay (ANY ONE) (10)**
- a) Classify Atropine substitutes with examples. Write briefly about uses of Atropine substitutes.
 - b) Describe the mechanism of action, uses and adverse effects of drugs used in peptic ulcer.
- Q.2 Short essay questions (ANY THREE) (15)**
- a) Enlist and describe root canal filling material.
 - b) Define dental caries. Describe measures to prevent and treat dental caries.
 - c) Define Obtundents. Classify Obtundents and describe any one agent in detail.
 - d) Mention properties of the ideal antiseptic agent. Describe pharmacological actions and uses of hydrogen peroxide.
- Q.3 Short answer questions (ANY FIVE) (10)**
- a) Mention two skeletal muscle relaxants with their uses.
 - b) Write briefly about Teratogenicity.
 - c) Enumerate different types of drug antagonism and explain Physiological antagonism.
 - d) Comment on use of Furosemide in Pulmonary edema.
 - e) Write four uses of β -blockers.
 - f) Role of sublingual nitrates in acute attack of angina.

SECTION – II

- Q.4 Long Essay (ANY ONE) (10)**
- a) Classify Semisynthetic Penicillins. Write mechanism of action, uses and adverse effects of Amoxicillin.
 - b) Classify oral anti-diabetic agents. Describe mechanism of action, uses and adverse effects of any one group in details.
- Q.5 Short essay questions (ANY THREE) (15)**
- a) Treatment of Iron deficiency anaemia.
 - b) Mention drugs used in grand mal epilepsy with the mechanism of action and adverse effects of anyone.
 - c) Uses and adverse effects of Aminoglycosides.
 - d) Uses and adverse effects of Angiotensin converting enzyme inhibitors.
- Q.6 Short answer questions (ANY FIVE) (10)**
- a) Name two H_1 anti-histaminic drugs and discuss their uses.
 - b) Name two opioid analgesics and list their uses.
 - c) Comment on Levodopa and Carbidopa combination.
 - d) Rationale for giving Pyridoxine with INH in tuberculosis.
 - e) Give two examples of antiplatelet drugs with their uses.
 - f) Write four uses of Diazepam.
