

II - B.D.S. (2008 COURSE) SUMMER - 2020
SUBJECT : DENTAL MATERIALS

Day : Wednesday
Date : 25.11.2020

52020 - 5756

Time : 9.00 AM To 12.00
Max. Marks : 70 P.M.

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) Classify gypsum products and describe them in detail.
 - b) Classify impression materials and discuss in detail zinc oxide eugenol impression paste.
- Q.2** Short Essay Questions : (**ANY THREE**) **(15)**
- a) Write a short note on casting defects.
 - b) Write in brief about porcelain fused to metal ceramic.
 - c) Write a short note on addition silicone impression material.
 - d) Heat activated denture base resin.
- Q.3** Short answer questions : (**ANY FIVE**) **(10)**
- a) Classify dental waxes.
 - b) Enumerate finishing and polishing agents.
 - c) Enumerate different types of metal free ceramics.
 - d) Imbibition and syneresis.
 - e) Stress and strain
 - f) Composition of dentrifices

SECTION - II

- Q.4** Long Essay Questions: (**ANY ONE**) **(10)**
- a) Describe the term composite resin. Classify the dental composite resins. Add a note on Hybrid composites.
 - b) Describe in detail about zinc phosphate luting cement.
- Q.5** Short Essay Questions : (**ANY THREE**) **(15)**
- a) Write a brief note on die materials used in dentistry.
 - b) High copper silver amalgam alloy.
 - c) Classify GIC and mention its applications.
 - d) 18-8 stainless steel.
- Q.6** Short answer questions : (**ANY FIVE**) **(10)**
- a) What is metamerism ? State its significance in dentistry.
 - b) Define hardness. Enumerate tests for hardness.
 - c) Soldering and welding.
 - d) Define creep and write types of creep.
 - e) Classify luting cements.
 - f) Uses of cavity base and liner.

II – B.D.S. (2008 COURSE) : SUMMER – 2020
SUBJECT : GENERAL & DENTAL PHARMACOLOGY & THERAPETUCS

Day : Saturday
Date : 21.11.2020

S 2020 - 5755

Time : 9.A.M. To 12.00 P.M.
Max. Marks : 70

N.B.

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

SECTION – I

- Q.1** Long Essay Questions (**ANY ONE**) (10)
- a) Classify anticholinesterase drugs with examples. Write uses of anticholinesterases. Describe treatment of organophosphorus compound poisoning.
 - b) Write in detail about the factors affecting drug action.
- Q.2** Short Essay Questions (**ANY THREE**) (15)
- a) Define dental caries. Mention agents used in its treatment.
 - b) Mention properties of ideal antiseptic agent. Describe pharmacological actions and uses of hydrogen peroxide.
 - c) Describe bleaching agents. Enlist bleaching agents with their specific uses.
 - d) Write briefly about chemoprophylaxis in dental practice.
- Q.3** Write short answer (**ANY FIVE**) (10)
- a) Uses of centrally acting skeletal muscle relaxants.
 - b) Indications for parenteral iron therapy.
 - c) Mention four atropine substitutes with uses.
 - d) Define drug antagonism and enumerate types with an examples.
 - e) Write about four uses of Enalapril.
 - f) Mention four uses of Metoclopramide with rationale.

SECTION – II

- Q.4** Long Essay Questions (**ANY ONE**) (10)
- a) Classify analgesic agents. Discuss uses, adverse effects and contra-indications of Morphine.
 - b) Classify antidiabetic agents. Describe the mechanism of action and adverse effects of biguanides.
- Q.5** Short Essay Questions (**ANY THREE**) (15)
- a) Describe the therapeutic uses and adverse effects of ciprofloxacin.
 - b) Write uses and adverse effects of metronidazole.
 - c) Write uses of Diazepam.
 - d) Describe the Bronchodilators used in Bronchial Asthma.
- Q.6** Write short answer (**ANY FIVE**) (10)
- a) Role of Propranolol in Thyrotoxicosis.
 - b) Mention any four limitations of Aminoglycosides.
 - c) Rational for pyridoxine with INH in TB patients.
 - d) Mention four advantages of Levodopa and Carbidopa combination.
 - e) Use of clavulanic acid with Amoxicillin.
 - f) Give reason – colchicine not used in chronic gout

* * *

II - B.D.S. (2008 COURSE) : SUMMER 2020
SUBJECT : GENERAL PATHOLOGY AND MICROBIOLOGY

Day : Monday
Date : 23.11.2020

52020 - 5754

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

N.B.

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

SECTION – I

- Q.1 Long Essay Questions (Any One) (10)**
a) Define necrosis. Describe coagulative and caseous necrosis in detail.
b) Define oedema and describe pathogenesis of pulmonary oedema.
- Q.2 Short Essay Questions (Any Three) (15)**
a) Describe in detail phagocytosis.
b) Classify carcinogens and add a note on physical carcinogenesis.
c) Describe Primary Pulmonary tuberculosis and its fate.
d) Describe the differences between benign and malignant tumours.
- Q.3 Write short answer (Any Five) (10)**
a) Enumerate four complications of lobar pneumonia.
b) Describe gross and microscopy of granulation tissue.
c) Enumerate two clinical features and two complications of myocardial infarction.
d) Chemical nature of primary amyloid.
e) Enumerate pathogenetic factors of thrombosis.
f) Enumerate laboratory investigations done for diagnosis of Diabetes mellitus.

SECTION – II

- Q.4 Long Essay Questions (Any One) (10)**
a) Define total and viable count. Describe phases of bacterial growth curve with diagram. Describe factors affecting microbial growth.
b) Enumerate Spirochetes. Describe the morphology and pathogenicity of Treponema pallidum. Describe the laboratory diagnosis and oral manifestations of Syphilis.
- Q.5 Short Essay Questions (Any Three) (15)**
a) Classify immunity and describe passive immunity.
b) Define sterilization; disinfection and antisepsis. Describe the various types and uses of filters.
c) Describe the general properties and methods of cultivation of viruses.
d) Enumerate cariogenic micro-organisms. Describe the pathogenesis of dental caries.
- Q.6 Write short answer (Any Five) (10)**
a) Write the special stains for demonstration and functions of metachromatic granules.
b) Nagler reaction.
c) Name four fungi causing opportunistic fungal infections.
d) Write the infective form and mode of entry of Ascaris lumbricoides.
e) Enumerate the markers of pathogenicity of Staphylococci.
f) Functions and methods for demonstration of Cell wall.
