



GOVERNMENT OF KERALA
DIRECTORATE OF MEDICAL EDUCATION
DIPLOMA IN DENTAL OPERATING ROOM ASSISTANCE COURSE REGULAR
EXAMINATION MAY 2023

DORA- F-I-MAY- 2023

Time: 3hrs.

Max.Marks: 75

PART-I PAPER-I

ANATOMY, PHYSIOLOGY, HISTOLOGY, PATHOLOGY & BACTERIOLOGY

(Answer all questions, Draw diagrams wherever necessary)

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ESSAYS

1. What are the Muscles of Mastication? Describe the origin and insertion of the Muscles of mastication (15)
2. What are the components of Blood? Describe the functions of Blood. Add a note on the mechanism of clotting (15)
3. Write Short notes (9x5=45)
 - a. Facial Nerve
 - b. Inflammation
 - c. Tuberculosis
 - d. Gangrene
 - e. Blood Pressure
 - f. Tonsils
 - g. Temperature regulation
 - h. Apoptosis
 - i. Vitamin D

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DORA- F-II-MAY-2023

Time: 3 hrs.

PART-I PAPER-II

Max.Marks:75

BASIC NURSING, FOOD AND NUTRITION

(Answer all questions, Draw diagrams wherever necessary)

ESSAYS

- I. Define Vitamins. Which are the fat soluble Vitamins? Discuss in detail about functions of Vitamin A and its deficiency diseases. (15)
- II. Define First aid. What are qualities of a First aider? Describe the principles of First Aid (15)
- III. SHORT NOTES (9X5=45)

- a. Types of Bone Fractures
- b. Protein deficiency
- c. Comfort devices
- d. Vitamin K
- e. Neglected Mouth
- f. Care of an immobile patient
- g. Health care team
- h. CPR
- i. Balanced diet

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DORA- F-III-MAY-2023

Time: 3 hrs.

PART-I PAPER-III

Max.Marks : 75

COMPUTER, OFFICE MANAGEMENT, BIOMEDICAL WASTE DISPOSAL &
STERILIZATION

(Answer all questions Section A & B Separately and draw diagrams wherever necessary)

SECTION – A

I. ESSAY

Enumerate biomedical waste. What are the steps in biomedical waste disposal.

Write in detail about incineration (3+5+7=15)

II. Write short notes on : (5x5=25)

- a. HCV
- b. Composting
- c. Use and care of dental hand piece
- d. Hand washing technique
- e. Antiseptics & Disinfectants

SECTION B

III. ESSAY

What do you mean by Software? Explain different types of software. (5+10=15)

IV. SHORT NOTES (4X5=20)

- a. History and generations of computer
- b. Use of computer in patient management system
- c. CAD and CAM
- d. MS Office



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PART II -PAPER-I

**ORAL ANATOMY AND PHYSIOLOGY, DISEASES OF TEETH AND GUMS AND
DENTAL MATERIALS**

(Answer all questions, Draw diagrams wherever necessary)

Essays

- I Describe the macroscopic anatomy of Permanent Mandibular First Molar in detail. Add a note on its chronology (13+2=15)
- II Describe the composition and functions of saliva in detail (15)
- III **Write Short notes on:**
(9x5=45)
- a. Occlusal aspect of Permanent Maxillary First Molar
 - b. Difference between deciduous and permanent teeth.
 - c. Occlusal aspect of Permanent Mandibular Second Premolar
 - d. Anatomy of mandible
 - e. Periapical abscess
 - f. Difference between permanent maxillary and mandibular canine
 - g. Dental fluorosis
 - h. Blood supply of teeth
 - i. Difference between maxillary First and Second Premolars

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PART-II PAPER-II

**OPERATING ROOM TECHNIQUE, CHAIR SIDE ASSISTANCE AND DENTAL LAB
ROUTINE**

(Answer all questions .Answer Section-A, B and C-Separately, Draw diagrams wherever
necessary)

SECTION –A

ESSAY

- I. Ideal properties of impression materials? Composition of zinc oxide eugenol impression material? Write in detail manipulation of zinc oxide eugenol impression paste (2+2+4=8)
- II. Enumerate gypsum products? Write in detail manipulation of gypsum? Add a note on gypsum modifiers? (1+3+3=7)
- III. **WRITE SHORT NOTES** (2x5=10)
 - a. Alginate impression material
 - b. Disinfection of impression

SECTION –B

ESSAY

- I. Write in detail about classification, composition and setting reaction of Silver amalgam (10)
- II. **Write short notes on:** (3x5=15)
 - a. Mercury toxicity and mercury hygiene
 - b. Composition of glass ionomer cement
 - c. Composite resins

SECTION C

1. **Writ short notes on** (5x5=25)
 - a. Sending a pathologic specimen for histo pathologic examination
 - b. Post extraction instructions
 - c. Transportation of cervical injured patients
 - d. First aid in maxillofacial injury
 - e. Astringents

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Part-II Paper -III

**MINOR AND MAJOR SURGICAL ASSISTANCE, WITH CONCEPT OF BTLS
RADIOIMAGING, DENTAL ETHICS AND JURISPRUDENCE & ORIENTATION IN
DENTISTRY**

(Answer all questions , Answer Section A, B and C- Separately.
Draw diagrams wherever necessary)

SECTION-A

ESSAY

- I. Explain the characteristics of mandibular fractures. Write in detail about the preparation of a patient with fractured mandibular for open reduction and rigid internal fixation under general anaesthesia. Enumerate the instruments required for the procedure (5+5+5=15)
- II. Write in detail about the preparation of a dental clinic for treating a patient with HIV (10)
- III. Write short notes on : (5x5=25)
- a. Surgical record maintenance
 - b. Colour coding in waste management
 - c. Biopsy
 - d. Sutures
 - e. Syncope

SECTION –B

- I. Define ethics. Write briefly about the ethical principles (2+8=10)
- II. Write short note on Proxy consent (5)

SECTION –C

- I. Write short notes on (2x5=10)
- a. X-ray tube
 - b. Collimation
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