

24-06-19

Printing Page(s) : 1+4

Paper Code : MDS-101 (Oral Med)

Roll No.

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M.D.S. EXAMINATION (Part-I, 1st Year)

Oral Medicine and Radiology

Paper – I

Applied Basic Sciences

Time : 3 Hours]

[Max. Marks : 100

Note : Attempt all the questions. Draw suitable diagrams to support your answer.

Question No. 9 & 10 are MCQs.

SECTION-A

1. Discuss in detail calcium and phosphorus metabolism and its clinical aspects [10]
2. Classify analgesics. Discuss their mechanism of action, their clinical uses and a note on their adverse effects. [10]
3. Discuss in detail 7th cranial nerve. Add a note on its applied aspects. [10]
4. Hypersensitivity [10]
5. Write in detail development of pharyngeal arches and their derivatives. [10]

SECTION-B

6. Physiology of mastication and deglutition and their applied aspects [10]
7. Study designs [10]
8. Selection of dissertation topic, its various heading and importance of each. [10]
9. Multiple choice questions (in separate sheet) [10]
10. Multiple choice questions (in separate sheet) [10]

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SECTION-B

9. Multiple Choice Questions:
(Write the correct option in the box)

[1×10=10]

(i) Which of the following has immune function in oral mucous membrane ☐

- (a) Melanocyte (b) Keratinocyte
(c) Langerhan cell (d) Merkel cell

(ii) All of the following are anatomically related to mandibular nerve except ☐

- (a) Inferior alveolar nerve (b) Chorda tympani nerve
(c) Lingual nerve (d) Auriculotemporal nerve

(iii) The first paranasal sinus to develop is ☐

- (a) Maxillary sinus (b) Frontal sinus
(c) Sphenoidal air sinus (d) Ethmoidal air sinus

(iv) Macrophages are mature form of ☐

- (a) Neutrophils (b) Monocytes
(c) Basophils (d) Eosinophils

(v) The affinity of oxygen for Hb increases with fall in pH. This is called ? ☐

- (a) Bohr effect (b) Brain bridge effect
(c) Herring effect (d) Haldane effect

(vi) Mandibular condyle grows by which of the following mechanism ☐

- (a) Endosteal bone growth formation (b) Appositional growth
(c) Endochondral bone (d) Subperiosteal surface

(vii) No. of teeth seen on X-ray at birth ☐

- (a) 30 (b) 20
(c) 22 (d) 24

(viii) Screening for the oral cancer comes under which level of prevention ☐

- (a) Primary level (b) Secondary level
(c) Tertiary level (d) None of the above

(ix) Randomization is done to remove what type of bias ☐

- (a) Confounding bias (b) Treatment bias
(c) Interviewer bias (d) Selection bias

(x) Platelet function can be assessed by ☐

- (a) Prothrombin time (b) Fibrinogen degradation products
(c) Bleeding time (d) Clotting time

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SECTION-B

10. Multiple Choice Questions:

(Write the correct option in the box)

[1×10=10]

- (i) Epitheloid cells are characteristic of
- (a) Chronic infection (b) Only in tuberculosis
- (c) Granulomatous inflammation (d) Granulation tissue
- (ii) The first bone to ossify in the body is
- (a) Mandible (b) Maxilla
- (c) Clavicle (d) Calvarium
- (iii) Muscles of the tongue are supplied by
- (a) Hypoglossal nerve
- (b) Glossopharyngeal nerve
- (c) Lingual nerve
- (d) Vagus nerve
- (iv) Tidal volume of a normal person is
- (a) 500 ml (b) 100 ml
- (c) 1050 ml (d) 3000 ml
- (v) Use of adrenalin is in
- (a) Vasovagal syncope (b) Hypotension
- (c) Bradycardia (d) Anaphylactic shock

- (vi) Lipoprotein rich in cholesterol is
- (a) HDL (b) VLDL
- (c) LDL (d) Chylomicron

(vii) The following is a ketone body

- (a) Oxaloacetate (b) Acetoacetate
- (c) Acetyl COA (d) Pyruvic acid

(viii) 14 year old girl on exposure to cold has pallor of extremities following by pain and cyanosis. This is seen in

- (a) Raynaud's phenomena (b) Dupuytren's contracture
- (c) Rheumatoid arthritis (d) Histiocytosis

(ix) Test used to measure glycemic control over a long period in diabetics

- (a) Glucose tolerance test (b) Fasting blood glucose
- (c) Urine analysis (d) HbA 1c test

(x) Remnants of Hertwig's epithelial root sheath are found in

- (a) Gingiva (b) Cementum
- (c) Alveolar bone (d) Periodontal ligament

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M.D.S. EXAMINATION
Oral Medicine & Radiology
Paper – I

Applied Anatomy, Physiology, Pathology and Pharmacology

Time : 3 Hours]

[Max. Marks : 75

Note: Attempt all the questions. Draw neat diagram wherever necessary.

Long Essay

[20×2=40

1. Discuss mechanism of Action of Corticosteroids and their use in the management of oral diseases
2. Describe in detail metabolism of calcium and phosphorous and regulation of serum calcium levels add a note on its applied aspects.

Short Essay

[7×5=35

3. Autoimmunity
4. Distribution of lymph nodes of head & neck region and their clinical implications.
5. Development of pharyngeal arches and their derivatives
6. Mechanism of blood coagulation
7. Carcinogens

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M.D.S. EXAMINATION
Oral Medicine & Radiology
Paper – II

Diagnosis, Diagnostic Methods, Imageology & Applied Oral Pathology

Time : 3 Hours]

[Max. Marks : 75

Note: Attempt all the questions. Draw neat diagram wherever necessary.

Long Essay

[20×2=40

1. "Soft tissue Imaging in dentistry"
2. Discuss in detail about mixed periapical lesions of the jaws

Short Essay

[7×5=35

3. Thermography
4. BAMA
5. Flat panel Detectors
6. Ghost and Real Images
7. Postero-Anterio Views (conventional)

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Printing Page(s) : 1

Paper Code : MDS-103 (Oral Med.)

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M.D.S. EXAMINATION
Oral Medicine & Radiology
Paper – III

Oral Medicine, Therapeutics and Laboratory Investigations

*Time : 3 Hours]**[Max. Marks : 75**Note: Attempt all the questions. Draw diagram wherever necessary.*

Long Essay

[20×2=40

1. Discuss the role of an oral physician in the prevention, diagnosis and palliative care of oral cancer.
2. Discuss the role of an oral physician in diagnosis of systemic diseases

Short Essay

[7×5=35

3. Applications of LASER in Oral Medicine
4. Demerjiens method of age estimation
5. Laboratory investigations for anemia
6. TENS as a therapeutic aid in Oral and maxillofacial disorders
7. Biochemical analysis of saliva in oral diseases

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Paper Code : MDS-104 (Oral Med.)

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M.D.S. EXAMINATION
Oral Medicine & Radiology
Paper – IV
Essay

Time : 3 Hours]

[Max. Marks : 75

Note: Attempt all the questions. Support your answer with suitable diagrams.

Write an essay on:

1. Oro Facial pain

OR

Fibro osseous lesions

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