

## M.D.S. Examination

## Oral Medicine and Radiology : Branch VII

## Paper-I

(Applied Anatomy, Physiology, Pathology &amp; Pharmacology)

[Max. Marks : 75]

Date : 01-04-2019, Monday]

Time : 3 Hours]

- Instructions :
- (1) Figure to the right indicates marks.
  - (2) Write legibly and to the point.
  - (3) Draw diagrams wherever necessary.

1. Discuss the anatomy, physiology and its applied aspects for muscles of mastication along with its accessories. (20)
  2. Discuss the classification, mechanism of action, interactions and adverse effects of corticosteroids. Add a note on its applied pharmacology in relation to oral diseases. (20)
  3. Write Short notes on (any five): (35)
    - A. Platelets in health and diseases.
    - B. Immunomodulators and immunotherapy.
    - C. Metabolism of calcium and it's oral health considerations.
    - D. Pathology of *Mycobacterium tuberculosis*.
    - E. Origin, course, distribution, functions and applied aspects for 5<sup>th</sup> Cranial nerve.
    - F. General principles of pharmacokinetics and determination of dose, frequency and route of administration of drugs.
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Candidate's Seat No : \_\_\_\_\_

M.D.S. Examination

Oral Medicine and Radiology : Branch VII

Paper-I

(Applied Basic Sciences)

[Max. Marks : 100

Date : 16-04-2019, Tuesday]

Time : 3 Hours]

- Instructions :** (1) Figure to the right indicates marks.  
(2) Write legibly and to the point.  
(3) Draw diagrams wherever necessary.  
(4) Each question carries 10 marks.

1. Discuss in details development of TMJ.
  2. Discuss histology of salivary glands with clinical implications.
  3. Write about erythropoiesis and its clinical implications.
  4. Importance of Liver function tests.
  5. How is blood pressure regulated in the human body?
  6. Classify steroids. Mention about steroid sparing drugs.
  7. Describe healing of oral tissues after radiation injury.
  8. Discuss in detail herpes virus.
  9. Role of vitamins in oral health.
  10. Describe trigeminal nerve in details.
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## M.D.S. Examination

## Oral Medicine and Radiology : Branch VII

## Paper II

## (D., D. M. and I. &amp; Applied Oral Pathology)

[Max. Marks : 75]

Date : 03-04-2019, Wednesday]

Time : 3 Hours]

- Instructions :
- (1) Figure to the right indicates marks.
  - (2) Write legibly and to the point.
  - (3) Draw diagrams wherever necessary.

1. Discuss the differential diagnosis of pericoronal radiolucencies of the jaws. (20)
  2. Discuss the principles of Magnetic Resonance imaging and it's applications in the diseases and disorders of maxillofacial region. (20)
  3. Write Short notes on (any five): (35)
    - A. Adverse effects of maxillofacial malignancy radiotherapy on the oral structures.
    - B. Image artifacts in cone beam computed tomography.
    - C. Age estimation using dental radiographs in mixed dentition period.
    - D. Occipitontental view: technique and usage in diagnosis.
    - E. Radionucleotide imaging in oral diseases.
    - F. Radiographic features in the disorders of blood.
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**M.D.S. Examination****Oral Medicine and Radiology : Branch VII****Paper III****(O. M., T. & Laboratory Investigations)****[Max. Marks : 75****Date : 05-04-2019, Friday]****Time : 3 Hours]**

- Instructions :** (1) Figure to the right indicates marks.  
(2) Write legibly and to the point.  
(3) Draw diagrams wherever necessary.

1. What do you mean by vesiculobullous lesions? Classify the vesiculobullous lesions affecting the oral tissues. Discuss in detail about the etiology, clinical features, differential diagnosis, investigations and the management of erythema multiforme. (20)
  2. Discuss the differential diagnosis and management approach in a patient complaining of dryness of mouth. (20)
  3. Write Short notes on (any five): (35)
    - A. Staging and grading of Oral Squamous cell carcinoma. Add a note about importance of Human Papilloma Virus & P16 in the same.
    - B. Oral health & dental considerations in persons affected with Human Immunodeficiency Virus infection.
    - C. Malignant melanoma.
    - D. Chair side investigations in oral mucosal lesions.
    - E. Anemia and oral mucosa.
    - F. Postherpetic neuralgia.
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