

Subject: Dental Anatomy, Embryology and Oral Histology

Part II

I LONG ESSAY

2x10=20 Marks

1. Classify oral mucous membrane. Describe the masticatory mucosa.
2. Explain the dental anatomy of permanent mandibular first molar.

(4+6)

II SHORT ESSAY

4x5=20 Marks

3. Bell stage of tooth development.
4. Principal fibers of periodontal ligament.
5. Occlusal aspect of permanent maxillary canine.
6. Deglutition.

III SHORT ANSWERS

10x2= 20 Marks

7. Basket cells.
8. Alveolar bone.
9. Papillae of tongue.
10. Oblique ridge.
11. Primate space.
12. Occlusion.
13. Alkaline phosphatase.
14. Innervation of taste buds.
15. Composition of saliva.
16. Dental lamina.

I.B.D.S (R&I) DEC-2019

QP Code: 11202 & 11203

Subject: General Human Physiology and Biochemistry

Part II

Section A & Section B should be answered in separate answer booklets

QP Code: 11202

(30 Marks)

**Section A
General Human Physiology**

- I LONG ESSAY** **1x10=10 Marks**
1. Describe physiology of regulation of blood glucose level. Add note on the hormones involved in the process. (6+4)
- II SHORT ESSAYS** **2x5=10 Marks**
2. Lung volume and capacities.
3. Pain pathway for the face.
- III SHORT ANSWERS** **5x2=10 Marks**
4. Surfactant.
5. Cretinism.
6. Two factors regulating erythropoiesis.
7. Two contraceptive methods.
8. Functions of small intestine.

QP Code: 11203

(30 Marks)

**Section B
Biochemistry**

- I LONG ESSAY** **1x10=10 Marks**
9. Write the process of detoxification of urea. Mention the disorders associated with urea cycle. (6+4)
- II SHORT ESSAYS** **2x5=10 Marks**
10. Biochemical functions of vitamin C.
11. Regulation of serum calcium.
- III SHORT ANSWERS** **5x2=10 Marks**
12. Three functions of heteropolysaccharides.
13. Essential amino acids.
14. Components of electron transport chain.
15. Classification of jaundice.
16. Types of lipoproteins.

Subject: General Human Anatomy Including Embryology, Osteology, Histology and Medical Genetics

Part II

I LONG ESSAYS **2x10=20 Marks**

1. Describe the thyroid gland under the following headings: (3+3+4)
 - a) Parts and relations
 - b) Blood supply
 - c) Development and applied anatomy.
2. Describe the relations, tributaries, communications and applied anatomy of cavernous sinus. (2+3+3+2)

II SHORT ESSAYS **4x5= 20 Marks**

3. Facial artery.
4. Nasopharynx.
5. Boundaries and contents of digastric triangle.
6. Histology of transverse section of compact bone.

III SHORT ANSWERS **10X2=20 Marks**

7. Name the bones forming nasal septum.
8. Name the extra ocular muscles of the eye ball.
9. Notochord.
10. Name the structures passing through jugular foramen.
11. Formation of ansa cervicalis.
12. Name the derivatives of first pharyngeal arch.
13. Bell's palsy.
14. Name the ear ossicles.
15. Draw a neat labelled diagram of histology of trachea.
16. Pterion.
