

Subject: Dental Anatomy, Embryology and Oral Histology

Part II

LONG ESSAY

2x10=20 Marks

1. Enumerate the principal fibres of periodontal ligament. Describe the course and functions of each group. (4+6)
2. Describe the morphology of permanent canine. Add a note on the arch traits of permanent canines. (6+4)

SHORT ESSAY

4x5=20 Marks

3. Development of tongue.
4. Tooth numbering systems and their significance. (3+2)
5. Anatomic boundaries of maxillary sinus and functions of the sinus. (3+2)
6. Differentiate between acellular extrinsic fiber cementum and cellular intrinsic fiber cementum.

SHORT ANSWERS

10x2= 20 Marks

7. Structure of hemidesmosomes.
8. Composition of hydroxyapatite crystals.
9. Composition of aprismatic enamel.
10. Role of stratum intermedium in tooth development.
11. Define overjet and overbite.
12. Diagrammatic representation of taste bud.
13. What are pulp stones?
14. Define leeway space.
15. What is transverse ridge?
16. Difference between coronal and radicular pulp.

I B.D.S June - 2017
(RSI)

QP Code: 11202 & 11203

Subject: General Human Physiology & Biochemistry

Part II

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

QP Code: 11202

Section A
General Human Physiology

(30 Marks)

LONG ESSAY

1x10=10 Marks

1. Describe physiology of regulation of blood glucose level. Add a note on the hormones involved in the process. (6+4)

SHORT ESSAYS

2x5=10 Marks

2. Explain the stages of menstrual cycle.
3. Mention the neural centres of respiration.

SHORT ANSWERS

5x2=10 Marks

4. What are heart sounds?
5. Functions of liver.
6. Hormones controlling serum calcium levels.
7. What is referred pain?
8. Write the diagram of juxtaglomerular apparatus.

QP Code: 11203

Section B
Biochemistry

(30 Marks)

LONG ESSAY

1x10=10 Marks

9. Define transamination. Describe the reactions and significance of urea cycle. (3+5+2)

SHORT ESSAYS

2x5=10 Marks

10. Describe the functions of vitamin A.
11. Classify proteins based on their functions.

SHORT ANSWERS

5x2=10 Marks

12. Write the structure of tRNA.
13. Name four enzymes of diagnostic importance.
14. Causes of beri beri.
15. Name the essential fatty acids.
16. Write the functions of albumin.

I B.P.S June - 2017
(RS I)

QP Code: 11201

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

Part II

LONG ESSAY

2x10=20 Marks

1. Describe the tongue under the following headings:
a) External features
b) Muscles
c) Nerve supply and development
2. Describe the posterior triangle under the following headings:
a) Boundaries
b) Contents
c) Applied anatomy

(3+3+4)

(3+4+3)

SHORT ESSAY

4x5= 20 Marks

3. Extra cranial course of facial nerve.
4. External jugular vein.
5. What is notochord? Write its functions.
6. Histology of pancreas.

SHORT ANSWERS

10X2=20 Marks

7. Name the structures passing through jugular foramen.
8. Name the structures which open at middle meatus.
9. What are emissary veins?
10. Name the muscles attached to the ramus of mandible.
11. What is Bell's palsy?
12. Name the structures pierced by parotid duct.
13. Name the bones forming hard palate.
14. Name the sinuses related to falx cerebri.
15. Write the components of lacrimal apparatus.
16. Name the structures forming the tonsillar bed.
