



Time: 3 Hrs.

[Max. Marks : 70]

HUMAN ANATOMY INCLUDING EMBRYOLOGY OSTEOLOGY & HISTOLOGY

(RS3)

QP Code: 1178

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

- Describe the Thyroid gland under the following headings:
a) Situation and coverings b) Parts and relations
c) Blood & nerve supply d) Applied anatomy
- Describe the Lateral wall of the nose under the following headings.
a) Parts b) Openings c) Blood Supply d) Applied anatomy

(2+4+2+2)

(3+3+2+2)

SHORT ESSAY

8 X 5 = 40 Marks

- Histology of the large artery.
- Facial Nerve in face
- Sensory innervations of the face
- Layers of the scalp
- Development of face & anomalies
- Histology of thyroid gland
- Digastric muscle
- Thyroid cartilage

SHORT ANSWERS

5 X 2 = 10 Marks

- Buccopharyngeal fascia
- Parotid duct
- Contents of carotid sheath
- Nerve supply of the tongue
- Naso lacrimal duct

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Time: 3 Hrs.

[Max. Marks : 70]

**GENERAL HUMAN PHYSIOLOGY & BIOCHEMISTRY, NUTRITION & DIETICS
1179 & 1180 (RS3)**

Your answer shall be specific to question asked. Draw neat and labelled diagrams wherever necessary. Use separate answer books for section A and section B.

QP Code: 1179 - Section A - HUMAN PHYSIOLOGY [35 Marks]

LONG ESSAY

1 X 10 = 10 Marks

1. State the name and location of respiratory centers. Describe their role in normal breathing.

SHORT ESSAY

3 X 5 = 15 Marks

2. Describe with the help of a diagram the ionic basis of action potential.
3. Differentiate between upper motor neuron and lower motor neuron type of paralysis.
4. Describe the functions of large intestine.

SHORT ANSWERS

5 X 2 = 10 Marks

5. Name any two factors that regulate erythropoiesis.
6. Name any two factors that alter the heart rate.
7. Enumerate any two functions of glucocorticoids.
8. Define GFR. State the normal value.
9. Name the two types of sweat glands.

QP Code: 1180 - Section B – BIOCHEMISTRY, NUTRITION & DIETICS

[35 Marks]

Use separate answer book

LONG ESSAY

1 X 10 = 10 Marks

1. Write an essay on glycolysis. Add a note on the Bioenergies of the pathway

SHORT ESSAY

3 X 5 = 15 Marks

2. Types of RNA
3. Functions of vitamin C
4. Iso enzymes

SHORT ANSWERS

5 X 2 = 10 Marks

5. Essential fatty acids
6. Lipotropic factors
7. Basal metabolic rate
8. Blood buffers
9. Fluorosis

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Time: 3 Hrs.

[Max. Marks : 70]

**HUMAN ORAL & DENTAL ANATOMY, EMBRYOLOGY, PHYSIOLOGY & HISTOLOGY
(RS-3)**

QP Code: 1181

Your answers should be specific to the questions asked.
Draw neat labeled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Describe in detail the morphology of Permanent Maxillary first premolar
2. Describe the histological structures of pulp

SHORT ESSAY

8 X 5 = 40 Marks

3. Functional and histological differences between keratinized and non keratinized mucosa
4. Types of dentin in cross section
5. Functions of striated duct
6. Hypercementosis
7. Elevations on tooth surface
8. Muscles of mastication
9. Dental lamina
10. Theories of calcification

SHORT ANSWERS

5 X 2 = 10 Marks

11. Functions of teeth
12. Pit and fissure
13. Primary and secondary cuticle
14. Histology of maxillary sinus
15. Osteon

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