

APPLIED ANATOMY & APPLIED PHYSIOLOGY

Total Duration : Section A+B = 3 Hours

Section B Marks : 62



**SECTION - B**

- Instructions :**
- 1) Use blue/black ball point pen only.
  - 2) Do not write anything on the **blank portion of the question paper**. Rough work should not be done on the Answer Sheets or anywhere on the Question Paper except the specific space provided for the rough work. If written anything, such type of act will be considered as an attempt to resort to unfair means.
  - 3) **All questions are compulsory.**
  - 4) The number to the **right** indicates **full** marks.
  - 5) Draw diagrams **wherever** necessary.
  - 6) Distribution of syllabus in Question Paper is only meant to cover entire syllabus within the stipulated frame. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
  - 7) Use a common answer book for section B.

**2. Long Answer Questions (Solve any 1 Out of 2) :- [1 × 10 = 10]**

- a) Draw a neat labeled diagram of kidney, describe anterior & posterior relations and applied anatomy
- b) Describe stomach, gross structure, relations & applied anatomy.

**3. Short Answer Questions (Solve any 3 Out of 4) :- [3 × 5 = 15]**

- a) Biceps brachi muscle.
- b) Structure of skin.
- c) Classification of bones with example.
- d) Anatomical Position of Thyroid gland.

**4. Short Answer Questions (Solve any 3 Out of 4) [3 × 2 = 6]**

- a) Factors necessary for erythropoiesis
- b) Heart sounds
- c) Describe the phases of gastric secretion
- d) Antidiuretic hormone

5. Long Answer Questions (Solve any 1 Out of 2) :- [1 × 10 = 10]

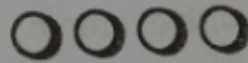
- a) i) Define synapse, write its classification & enumerate their properties  
ii) Describe the mechanism of synaptic transmission
- b) i) Describe phases of menstrual cycle  
ii) Discuss the hormonal control of menstrual cycle

6. Short Answer Questions (Solve any 3 Out of 4) :- [3 × 5 = 15]

- a) Describe the functions of the hypothalamus
- b) Mechanism of blood pressure regulation
- c) Composition and function of saliva
- d) Puberty

7. Short Answer Questions (Solve any 3 Out of 4) :- [3 × 2 = 6]

- a) Neuron
- b) Pelvic floor muscles
- c) Types of tissues
- d) Aorta & its branches



APPLIED SOCIOLOGY & APPLIED PSYCHOLOGY

Total Duration : Section A+B = 3 Hours

Section B Marks : 62

SECTION - B

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  - 7) Use a common answer book for section B.

2. Long Answer Questions (Solve any 1 Out of 2) :- [1 × 10 = 10]

- a) Define family. Explain the types of family.
- b) What is memory. Explain the techniques to improve Memory.

3. Short Answer Questions (Solve any 3 Out of 4) :- [3 × 5 = 15]

- a) What is the role of heredity and environment in shaping our behavior.
- b) Discuss Maslow's theory of self actualization.
- c) Agencies of Socialization
- d) Discuss the characteristics of joint family.

4. Short Answer Questions (Solve any 3 Out of 4) [3 × 2 = 6]

- a) Sources of stress
- b) Class.
- c) Meaning of Psychology
- d) Define social control.

5. Long Answer Questions (Solve any 1 Out of 2) :- [1 × 10 = 10]
- Define Social Processes. Explain the various forms of social processes.
  - What is conflict? Explain different types of conflict with examples.

6. Short Answer Questions (Solve any 3 Out of 4) :- [3 × 5 = 15]
- Major problems of Urban areas.
  - Explain any one Theories of personality in detail.
  - Explain ways and means of achieving women empowerment.
  - Modernization and industrialization is a key factor for social disorganization.

7. Short Answer Questions (Solve any 3 Out of 4) :- [3 × 2 = 6]
- Cultural lag.
  - Resilience.
  - What is the meaning of the term Behavior.
  - List the classification of social groups.

