



Roll No.

Answer Sheet No. 81

Sig. of Candidate. _____

Sig. of Invigilator. _____

BASIC MEDICAL SCIENCES HSSC-I

SECTION – A (Marks 10)

Time allowed: 10 Minutes

NOTE: Section–A is compulsory. All parts of this section are to be answered on the question paper itself. It should be completed in the first 10 minutes and handed over to the Centre Superintendent. Deleting/overwriting is not allowed. Do not use lead pencil.

Q. 1 Circle the correct option i.e. A / B / C / D. Each part carries one mark.

- (i) The inner most layer of gastrointestinal tract is:
- | | |
|---------------|-----------------|
| A. Sub-mucosa | B. Mucosa |
| C. Serosa | D. Muscle layer |
- (ii) Grey matter of CNS is formed by:
- | | |
|------------------|-----------------------|
| A. Axons | B. Dendrites |
| C. Schwann cells | D. Nerve cells bodies |
- (iii) Left lung has following lobes:
- | | |
|----------------|---------------|
| A. One lobe | B. Two lobes |
| C. Three lobes | D. Four lobes |
- (iv) Thyroid gland produces:
- | | |
|-----------------|--------------|
| A. Parathormone | B. Glucagon |
| C. Cortisol | D. Thyroxine |
- (v) Deglutition is the process of:
- | | |
|-----------------------|-----------------------|
| A. Swallowing of food | B. Absorption of food |
| C. Chewing of food | D. None of these |
- (vi) Which of the muscle is the part of hamstrings?
- | | |
|--------------|-------------------|
| A. Obturator | B. Biceps femoris |
| C. Sartorius | D. Psoas |
- (vii) Vestibule and Cochlea are the parts of:
- | | |
|-----------------|------------------|
| A. External ear | B. Middle ear |
| C. Inner ear | D. None of these |
- (viii) Extrusion of waste materials through plasma membrane is known as:
- | | |
|-----------------|------------------|
| A. Pinocytosis | B. Exocytosis |
| C. Phagocytosis | D. None of these |
- (ix) All the organs are in abdominal cavity except:
- | | |
|-------------|-----------|
| A. Liver | B. Uterus |
| C. Pancreas | D. Spleen |
- (x) The only artery in the human body which carries deoxygenated blood is:
- | | |
|---------------------|-------------------|
| A. Renal artery | B. Femoral artery |
| C. Pulmonary artery | D. Coeliac artery |

For Examiner's use only:

Total Marks:

10

Marks Obtained:



BASIC MEDICAL SCIENCES HSSC-I

82

Time allowed: 2:20 Hours

Total Marks Sections B and C: 40

NOTE: Answer any thirteen parts from Section 'B' and all the questions from Section 'C' on the separately provided answer book. Use supplementary answer sheet i.e. Sheet-B if required. Write your answers neatly and legibly.

SECTION – B (Marks 26)

Q. 2 Answer any THIRTEEN parts. The answer to each part should not exceed 2 to 4 lines. (13 x 2= 26)

- (i) What are mitochondria? Write down its function.
- (ii) Name the four layers of GIT wall in order.
- (iii) Define cardiac cycle.
- (iv) Write down the function of kidney.
- (v) What are meninges? Name the layers in order?
- (vi) Write down the composition of saliva.
- (vii) What is Lymph node? Write its function.
- (viii) Write few functions of female reproductive system.
- (ix) Draw a labeled diagram of stomach.
- (x) Name the muscle of breathing and its nerve supply.
- (xi) Define micturition.
- (xii) Name the parts of pituitary gland and list their hormones.
- (xiii) Briefly discuss the functions of skin.
- (xiv) Name the contents of thoracic cavity.
- (xv) What are erythrocytes? Write short note on it.
- (xvi) Write down classification of bones.
- (xvii) Name respiratory organs in order.

SECTION – C (Marks 14)

Note: Attempt ALL the questions. All questions carry equal marks.

(2 x 7 = 14)

Q. 3 Draw a labeled diagram of longitudinal section of kidney. Also write functions of kidneys.

(OR)

Discuss difference between General and Pulmonary circulation.

Q. 4 Write down the mechanisms of breathing (cycle of breathing) in detail.

(OR)

Write down a detailed note on pancreas with a labeled diagram.