



# BASIC MEDICAL SCIENCES HSSC-I

## SECTION - A (Marks 10)

Time allowed: 10 Minutes

Version Number 3 4 8 1

**Note:** Section - A is compulsory. All parts of this section are to be answered on the separately provided OMR Answer Sheet which 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** Choose the correct answer A / B / C / D by filling the relevant bubble for each question on the OMR Answer Sheet according to the instructions given there. Each part carries one mark.

- 1) 'Vestibule' and 'Cochlea' are parts of the:  
A. Brain  
B. Eye  
C. Ear  
D. None of these
- 2) The epithelium over which one of the following causes absorption of digested materials?  
A. Choroid epith  
B. Villie and microvillie in S.intestien  
C. Appendicular lumen  
D. Epith: over villie of ciliary body
- 3) Three parts of a 'Neuron' are:  
A. Axone, nucleus, mitoch  
B. Body, cell, plasma  
C. Dendrites, body, axon  
D. Nerve, ganglia, end plate
- 4) Which one of the following is NOT in proper order with others:  
A. Peri, Myo, Endocardium  
B. Bi and Tricuspid valves  
C. Coronary arteries  
D. Chroid plexus and CSF
- 5) Which one of the following is wrong?  
A. Cirvical=7  
B. Thorasic=12  
C. Lumber and Sacral=10  
D. Coccygeal=5
- 6) Which one of the following is a 'Vital' organ for life?  
A. Spleen  
B. Gall bladder  
C. Only one lung  
D. Large intest.
- 7) Which one of the following is NOT a part of the Nephron?  
A. Glomerulus  
B. Ascending loop of Henle  
C. Afferent arterioles  
D. Collecting ducts
- 8) The number of chromosomes in 'Meiosis'.  
A. Remains same  
B. Reduced to half  
C. Doubles  
D. No change
- 9) The tissue is firm but slightly elastic:  
A. Cartilage  
B. Bone  
C. Intervertebral disc  
D. Both A and C
- 10) Which one is NOT a surface of lung?  
A. Diaphragmatic  
B. Mediastinal  
C. Costal  
D. Apical



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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 is a 'peripheral' (spinal) nerve? Give examples?
- (ii) What is function of growth hormone; from where it is secreted?
- (iii) Write names of parts of 'lower resp: tract' along with their functions.
- (iv) Draw and label a simple sketch of Nephron?
- (v) What is lymph? Why is its flow important?
- (vi) What happens to food in oral cavity, as regard to its structural and chemical nature?
- (vii) What is function of urinary bladder? Write names of three openings in it?
- (viii) What is location and function of seminal vesicles?
- (ix) Draw and label a simple sketch of skin layers with all its contents?
- (x) Draw diagram and write function of uterus.
- (xi) Write the physiological role of penis and vagina in reproduction of the human race (no vulgarity)?
- (xii) Write names and functions of at least two long bones of our limbs?
- (xiii) What are three imp: functions of skeletal system in our body?
- (xiv) Write names of bones of hand below the wrist joint?
- (xv) Draw and label a simple sketch of the eye ball?
- (xvi) What is pericardial cavity, its membranes and contents?
- (xvii) Write names (only) of all the hormones secreted by the 'pituitary gland'?

## 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 Cx-Section of kidney.

(OR)

Write all the functions carried out by kidneys along with its hormone.

Q. 4 Draw a sketch of all nine quadrants of abdomen along with placement of organs in each.

(OR)

Write all functions of liver with the functional importance of hepato-biliary system?