



BASIC MEDICAL SCIENCES-I HSSC-I

Curriculum 2022-23
SECTION – A (Marks 08)

Time allowed: 15 Minutes

Section – A is compulsory. All parts of this section are to be answered on this page and handed over to the Centre Superintendent. Deleting/overwriting is not allowed.

Do not use lead pencil.

حصہ اول لازمی ہے۔ اس کے جوابات اسی صفحہ پر دے کر ناظم مرکز کے حوالے کریں۔ کاٹ کر دوبارہ
کلمے کی اجازت نہیں ہے۔ لید پینسل کا استعمال ممنوع ہے۔

Version No.				
9	1	0	1	0

0	0	0	0	0
1	1	1	1	1
2	2	2	2	2
3	3	3	3	3
4	4	4	4	4
5	5	5	5	5
6	6	6	6	6
7	7	7	7	7
8	8	8	8	8
9	9	9	9	9

ROLL NUMBER						

0	0	0	0	0	0	0
1	1	1	1	1	1	1
2	2	2	2	2	2	2
3	3	3	3	3	3	3
4	4	4	4	4	4	4
5	5	5	5	5	5	5
6	6	6	6	6	6	6
7	7	7	7	7	7	7
8	8	8	8	8	8	8
9	9	9	9	9	9	9

Answer Sheet No. _____ Candidate's Sign. _____ Invigilator's Sign. _____

Fill the relevant bubble against each question:

	Question	A	B	C	D	A	B	C	D
1.	Organelle responsible for cellular respiration is	centrosome	Golgi bodies	Nucleus	mitochondria	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2.	Which statement regarding epithelial tissue is true	Cells are scattered	Supports and connect organs and tissues	Found above the basement membrane	Develop from mesoderm	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3.	In circulatory system exchange of materials occurs through	Artries	veins	capillaries	aorta	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4.	Maximum absorption of food occur in	duodenum	jejunum	ileum	caecum	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5.	The functional unit of respiratory system is	nephron	neuron	villi	alveoli	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6.	Brain stem is formed by:	Cerebellum, medulla oblongata, pons	Mid brain, pons, medulla oblongata	Thalamus and pons only	Medulla oblongata and pons only	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7.	In healthy adult glomerulus filtration rate/min is	120 litres /day	180 litres /day	100 litres /day	250 litres /day	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8.	Which endocrine gland is present above kidneys?	pancreas	Pituitary gland	Ovaries/test is	Adrenal gland	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



BASIC MEDICAL SCIENCES-I

HSSC-I

Time allowed: 2:15 Hours

Total Marks Sections B & C: 32

Note: Answer all parts from Section “B” and all questions from Section ‘C’ on the provided Sheet.
Write your answers on the allotted/ given space.

SECTION-B (Marks 20)

Q. 2	Attempt the following questions. (10 x 2 =20)				
(i)	Enumerate the types of muscles tissue, their differences with examples.	2	OR	What do you mean by Erythrocytes, discuss briefly?	2
(ii)	Enlist the names of organs of Gastrointestinal Tract and Accessory Organs.	2	OR	Write down the difference between Right and Left Lung?	2
(iii)	What is Chordae Tendineae?	2	OR	What is Cardiac Output and Stroke Volume?	2
(iv)	Write down the functions of Skin?	2	OR	Write down the Classification of Bones with one example of each type.	2
(v)	What is the difference between Exocrine and Endocrine Glands?	2	OR	Enlist the Organs of Female Reproductive System	2
(vi)	Draw labeled diagram of Stomach?	2	OR	Draw the Labeled Diagram of Nephron.	2
(vii)	Write down the contents of Thoracic Cavity?	2	OR	Write the constituents of Cerebrospinal Fluid (CSF)	2
(viii)	Write the bones of Middle Ear.	2	OR	Name the four main Sinuses of body.	2
(ix)	Write the factors effecting Heart Rate.	2	OR	Enlist the parts forming Brain Stem.	2
(x)	Enlist the vitamins both Water Soluble and Fat Soluble.	2	OR	What are Mitochondria? Write its function.	2

SECTION-C (MARKS 12)

Note: Attempt all questions. Marks of each questions are given along with each questions (6 × 2 = 12)

Q. 3	What is Breathing Cycle? Write down the mechanism of Breathing in detail.	6	OR	Discuss Thyroid Gland, its Structure, Microscopic Parts and its Functions.	6
Q. 4	Enlist the parts of Large Intestine with labeled Diagram. Write down the functions of Large Intestine.	6	OR	Discuss Human Circulatory System with label Diagram.	6