

SELF ASSESSMENT TEST

(Chapter 8 : Respiration and circulation)

Time : 1 Hour]

[Marks : 20

Notes :

1. All questions are compulsory.
2. Figures to the right indicate full marks.

SECTION – A

Q. 1. Multiple Choice Questions (MCQ) :

(1 mark each)

- (i) Name the valve from the following that guards the opening of coronary sinus

..... .

- (a) Thebesian valve (b) Eustachian valve
(c) Tricuspid valve (d) Semilunar valve

[1]

- (ii) Diapedesis is performed by

- (a) erythrocytes (b) thrombocytes (c) adipocytes (d) leucocytes

[1]

- (iii) muscles contract when the external intercostals muscles contract.

- (a) Internal abdominal (b) Jaw
(c) Muscles in bronchial walls (d) Diaphragm

[1]

- (iv) Deposition of fatty substances in the lining of arteries results in

- (a) arteriosclerosis (b) atherosclerosis
(c) hyperglycemia (d) hypotension

[1]

Q. 2. Very Short Answer Questions (VSA) :

(1 mark each)

- (i) What is the role of Hering-Breuer reflex in respiration?
(ii) Define tidal volume.

[1]

[1]

SECTION – B

Q. 3. Short Answer Questions (SA - I) :

(2 marks each)

- (i) Match the columns :

[2]

Disease	Symptoms
(1) Asthma	(a) Fully blown out alveoli
(2) Bronchitis	(b) Inflammation of lungs with cough and fever
(3) Emphysema	(c) Spasm of Bronchial muscles
(4) Pneumonia	(d) Inflammation of bronchi

- (ii) Sketch and label conducting system of human heart.

[2]

SECTION – C

Q. 4. Short Answer Questions (SA - II) :

(3 marks each)

- (i) Describe the valves in the human heart.
(ii) Explain in brief factors affecting blood pressure.

[3]

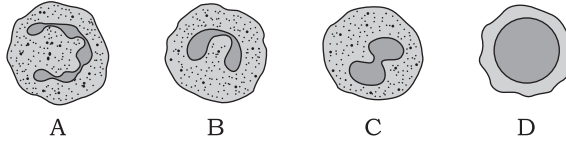
[3]

SECTION – D

Q. 5. Long Answer Questions (LA) :

(4 marks)

Observe the diagrams of blood cells and answer the following questions :



- (a) Which of the above is agranulocyte?
- (b) Describe its origin and structure.
- (c) Mention its types.
- (d) Explain its function.

[4]