

2024

(June)

HUMAN PHYSIOLOGY - I

Full Marks : 70

Time : 2 hours

The figures in the margin indicate full marks

for the questions

Answer all questions

1. Define hypoxia. What are the different types of hypoxia? Describe the process of transport of O₂ and CO₂ in blood. 2+3+5+5=15

2. Enumerate the phases of gastric juice secretion. Describe the composition, function and regulation of gastric juice. 2+3+5+5=15

3. Write short notes on: 5x6=30

- a) Action Potential.
- b) Functions of liver.
- c) Erythropoiesis.
- d) Lung volumes and capacities.
- e) Cell membrane.
- f) Functions of saliva.

(Turn Over)

4. Fill in the blanks:

1x10=10

- a) _____ cell secretes intrinsic factor.
- b) Haemophilia B is due to deficiency of _____.
- c) The word 'Milieu Interior' was coined by _____.
- d) _____ is called the powerhouse of the cell.
- e) Cell death that is genetically programmed is known as _____.
- f) The absence of breathing is known as _____.
- g) The pacemaker of the heart is the _____.
- h) Yellowish discolouration of the skin and mucous membranes is known as _____.
- i) Type II alveolar epithelial cells in the lungs secrete surface tension lowering agent known as _____.
- j) Passive transport of molecules from areas of higher concentration to lower concentration is known as _____.

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