

2023
AUGUST

Paper - 1

Human Biology

Full Marks - 80

Time - 3 Hours

The figures in the margin indicate full marks for the questions

Answer all questions

1) Fill in the blanks:

- a) Trachea is known as _____ [1X10=10]
- b) _____ is a flap of connective tissue that prevents choking.
- c) Each plasma cell produces _____ molecules of antibodies/sec.
- d) Diaphragm is controlled by _____.
- e) Cranial nerves are _____ pairs in number and spinal nerves are _____ pairs in number.
- f) Glycolysis is the metabolic reaction in which glucose is converted into _____.
- g) Deficiency of Vitamin A causes _____.
- h) _____ contains 2-10 monosaccharide molecules
- i) Vitamin E is _____ soluble vitamin.
- j) 1 gram of protein gives _____ K cal of energy.

Turn over

2) Answer the following:

[2]

- i. _____ is the 5th cranial nerve. [5X1=5]
 - a. Abducens
 - b. trigeminal
 - c. oculomotor
 - d. optic
 - ii. A person having _____ blood group is called a universal recipient.
 - a. A
 - b. B
 - c. AB
 - d. O
 - iii. Example of ball and socket joint is
 - a. Shoulder joint
 - b. wrist joint
 - c. both a. & b.
 - d. none
 - iv. Myosin molecules have _____ heavy and _____ light chains.
 - a. 2, 4
 - b. 4, 2
 - c. 1, 2
 - d. 2, 1
 - v. Longest bone of the body is
 - a. stapes
 - b. humerus
 - c. femur
 - d. Ulna
- 3) Write short notes (any seven): [5X7=35]
- a) Homeostasis
 - b) Nephron
 - c) Cell organelles
 - d) Parts of digestive system with diagram
 - e) Essential Amino acid
 - f) Vitamins
 - g) Mechanism of enzyme action
 - h) Glycolysis
 - i) Fatty acid

Continue