

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION MAY 2024
(Third Semester)

Branch – NUTRITION, FOOD SERVICE MANAGEMENT AND
DIETETICS

HUMAN PHYSIOLOGY

Time: Three Hours

Maximum: 50 Marks

SECTION-A (5 Marks)

Answer ALL questions

ALL questions carry EQUAL marks

(5 x 1 = 5)

- 1 The volume of blood in human body
(i) 4 litres (ii) 5 litres
(iii) 6 litres (iv) 7 litres
- 2 The pigment in Red Blood Cells
(i) Myoglobin (ii) Heamoglobin
(iii) Haptoglobin (iv) Fibrinogen
- 3 Which of the following is connective tissue
(i) Epithelial tissue (ii) Muscles
(iii) Cardiac tissue (iv) Adipose tissue
- 4 Which of the following sense is related to taste?
(i) Gustation (ii) Olfaction
(iii) Audition (iv) Somatosensation
- 5 The hormone secreted by adrenal cortex
(i) Insulin (ii) Epinephrine
(iii) Glucagon (iv) Thyroxine

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks

(5 x 3 = 15)

- 6 a Highlight the formation of RBC.
OR
b Write a short note on bone tissue.
- 7 a What is the concept of cardiac output?
OR
b Draw the structure of blood vessel.
- 8 a Brief on the anatomy of liver.
OR
b Highlight on the mechanism of micturition.
- 9 a List out the functions of medulla oblongata.
OR
b State the physiology of taste.
- 10 a List out the functions of parathyroid gland.
OR
b Draw the structure of corpus luteum.

Cont...

SECTION -C (30 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 6 = 30)

- 11 a Discuss the blood groups .
OR
b Write a short note on functions of epithelial tissues .
- 12 a Give a short note on the origin and conduction of heat beat
OR
b Draw the structure of respiratory tract .
- 13 a Draw the structure of digestive system and mark the parts .
OR
b List out the functions of nephrons .
- 14 a Discuss the structure of hypothalamus .
OR
b State the definitions of reflex arc, reflex action and synapse .
- 15 a Give the anatomy of pituitary gland
OR
b Highlight the anatomy of male reproductive organs .

Z-Z-Z

END