

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2023
(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 mineral plays an important role in blood clotting
(i) Sodium (ii) Potassium
(iii) Magnesium (iv) Calcium
- 2 The pigment in Red Blood Cells
(i) Myoglobin (ii) Heamoglobin
(iii) Haptoglobin (iv) Fibrinogen
- 3 Which of the following is completely reabsorbed by the renal tubules
(i) Creatinine (ii) Potassium
(iii) Uric acid (iv) Glucose
- 4 Which of the following sense is related to smell
(i) Gustation (ii) Olfaction
(iii) Audition (iv) Somatosensation
- 5 The duration of menstrual cycle is
(i) 20 days (ii) 23 days
(iii) 25 days (iv) 28 days

SECTION - B (15 Marks)

Answer ALL Questions

ALL Questions Carry EQUAL Marks

(5 x 3 = 15)

- 6 a List out functions of epithelial tissues
OR
b Write a short note on plasma proteins.
- 7 a Give the physiological concepts for systolic, diastolic and pulse pressure.
OR
b Differentiate between hypoxia and anoxia.
- 8 a Brief on peristaltic movement in GI tract.
OR
b Highlight on the mechanism of urination.

Cont...

- 9 a Draw the structure of cerebrum and mark the parts.
OR
b State the mechanism of hearing.
- 10 a Give the anatomy of adrenal gland.
OR
b Draw the structure of graafian follicle.

SECTION -C (30 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 6 = 30)

- 11 a Draw the structure and list the functions of cell.
OR
b Discuss the composition of blood.
- 12 a Give the structure of heart and mark the parts.
OR
b Highlight the mechanism of breathing.
- 13 a List out the functions of saliva and gastric juices .
OR
b Draw the structure of nephron and mark the parts .
- 14 a Discuss the functions of cerebellum.
OR
b Explain the rhodopsin cycle.
- 15 a Give the anatomy of tyroid .
OR
b Highlight the stages of menstrual cycle .

Z-Z-Z

END