

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

BSc DEGREE EXAMINATION DECEMBER 2022
(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. Which one is the fundamental, structural, and functional unit of living organisms.
(i) Blood (ii) Cell (iii) Skin (iv) Kidney
2. Mention the term called difficulty in breathing.
(i) Hyperpnea (ii) Tachypnea (iii) Dyspnea (iv) Polypnea
3. Find the digested food product in the stomach.
(i) Bolus (ii) Renin (iii) Villi (iv) Chyme
4. Identify the part which is also called as blind spot.
(i) Macula (ii) Sclera (iii) Optic disc (iv) Iris
5. Name the process of rupture of graffian follicles.
(i) Spermatogenesis (ii) Ovulation (iii) Menopause (iv) Parturition

SECTION - B (15 marks)

Answer ALL Questions

ALL Questions carry EQUAL Marks (5×3 = 15)

6. (a) Bring out the functions of connective cells.
(OR)
(b) State the functions of blood.
7. (a) Sketch the structure of heart with parts.
(OR)
(b) Explain the structure of respiratory tract.
8. (a) Outline the functions of saliva.
(OR)
(b) Describe the structure of nephron.
9. (a) Summarise the physiology of hearing.
(OR)
(b) Narrate the process of reflex action.
10. (a) Compare the functions of thyroid & parathyroid gland.
(OR)
(b) How the onset of menstrual cycle occurs in an girl's body.

Cont...

SECTION -C (30 Marks)

Answer ALL questions

ALL questions carry EQUAL Marks

(5 x 6 = 30)

11. (a) Discuss the composition of blood.
(OR)
(b) Elucidate the structure and functions of epithelial cell.
12. (a) Highlight the process of origin and conduction of heart beat.
(OR)
(b) Examine the mechanism of respiration.
13. (a) Identify the structure and functions of alimentary canal.
(OR)
(b) Categorise the mechanism of formation of urine.
14. (a) Differentiate the functions of cerebrum and cerebellum.
(OR)
(b) Discover the refractive errors of eye.
15. (a) Discuss the basic anatomy and functions of pituitary gland.
(OR)
(b) Examine the development of graffian follicles .

Z-Z-Z

END