

TC221450S

Reg No:

Name:.....

DIPLOMA EXAMINATION, NOVEMBER 2023
(2018, 2019, 2020, 2021 & 2022 Admissions Supplementary)
SEMESTER I – SKILL COURSE
(HEALTH CARE ASSISTANCE (COMMUNITY COLLEGE))
VHA1S01D18 – ANATOMY AND PHYSIOLOGY

Time: 3 Hours

Maximum Marks: 80

PART A

I. Answer all questions. Each question carries 1 mark

1. Testosterone is a ---
(a) Female sex hormone (b) Male sex hormone (c) Digestive juice (d) Oral Contraceptive
2. The receptor for vision.
(a) Rods (b) cristone (c) Hair cells (d) Macula
3. The right and left hemispheres of cerebrum is connected by ---
(a) Myelin sheath (b) Dendrites (c) Gyri (d) corpus calossom
4. The universal donor blood group.
(a) A (b) B (c) AB (d) O
5. Nucleus is absent in ---
(a) Monocyte (b) Basophil (c) Neutrophil (d) Platelets
6. The organ of corti is concerned with
(a) Vision (b) Hearing (c) Balancing (d) Taste
7. Protective covering of brain is ---
(a) Pericardium (b) Pleura (c) Meninges (d) Peritoneum
8. 10th cranial nerve is ---
(a) Trigeminal (b) Vagus (c) Optic (d) Hypoglossal
9. Muscle of heart is known as
(a) Cardiac (b) Striated (c) Voluntary (d) Skeletal
10. In the menstrual cycle of normal women , ovulation occurs on the –
(a) 10th day (b) 14th day (c) 20th day (d) 22nd day



(10 x 1 = 10)

PART B

II. Answer any 8 questions. Each question carries 2 marks

11. Enlist the types of epithelial tissues.
12. Mention the functions of skeletal system.

13. Name the valves found in the human heart.
14. Enumerate the characteristics of smooth muscle.
15. Mention the functions of circulatory system.
16. What are the different types of WBC? Explain.
17. Differentiate between sensory neuron and motor neuron.
18. Define meninges. Name the three layers of meninges.
19. List down the primary colours.
20. What is pleura?

(8x2=16)

PART C

III. Answer any 4 questions. Each question carries 6 marks

21. Briefly explain the muscles in human body and its characteristics features with suitable examples.
22. Explain about cranial nerves and its function.
23. Explain the structure of human heart with a neat diagram.
24. Describe the transmission of nerve impulses.
25. Explain urinary system with diagram

(4 × 6 =24)

PART D

IV. Answer any 2 questions. Each question carries 15 marks

26. Explain the 11 systems in human body.
27. Explain the types of blood group. Mention the components of blood.
28. Explain the components of blood with diagram.

(2×15 =30)

