KN-375

D.Pharmacy (Part-I) Examination-2022

Human Anatomy and Physiology

[Paper : Fourth]

Time Allowed: Three Hours

Maximum Marks: 80

Minimum Marks: 27

(Section-A)

Objective/Very Short Answer Type Questions

Q.I Attempt all questions. 20 x1 = 20

1. ---------- is the power house of cell.
2. Plasma membrane is composed of ----------and ----------
3. ---------- is an example of connective tissue.
4. Lifespan of RBCs is ---------- days.
5. CSF flows within the ---------- space.
6. Define neurotransmitter.

7. Two examples of synovial joint are ----------and ----------
8. Duration of cardiac cycle (in seconds) is ----------
9. Insulin increases gluconeogenesis. True/ False
10. Kidney is the main excretory organ. True/ False
11. ---------- is an abnormal content of urine.
12. Which veins carry oxygenated blood?
13. Knee joint is ---------- type of joint.
14. Cytoskeleton include ---------- and ----------.
15. Skull is made of ---------- number of bones.
16. Define lung capacity.
17. Name the hormones of thyroid gland.
18. Write two functions of hypothalamus.
19. Write the functions of tongue.
20. What is ACTH.

(Section-B)

Short Answer Type Questions

Q.II Attempt any ten question. 10 x3 = 30

1. Write the functions of cell.
2. Write the functions of blood.
3. Discuss briefly heart sounds.
4. Draw a diagram of internal structure of lungs.
5. Write the functions of digestive system.
6. Classify nervous system.
7. Draw a labeled diagram of nerve cell.
8. Draw the internal structure of ear.
9. Name the hormones of anterior and posterior pituitary.
10. Briefly explain spermatogenesis.
11. Explain the steps of menstruation.

(Section-C)

Long Answer Type Questions

Q.III Attempt any six questions 6 x 5 = 30

1. Define and classify tissues with examples and diagram wherever necessary.
2. Discuss the different types of joints and joint disorders.
3. Give the structure and functions of spleen.
4. Explain the mechanism of respiration.
5. Discuss the physiology of muscle contraction
6. Explain the physiology of urine formation.
7. Discuss the disorders related to female reproductive system.