

ADICHUNCHANAGIRI UNIVERSITY

B. Pharmacy I Semester Examination – September 2019

TIME: 3 HOURS

MAX.MARKS: 75 MARKS

HUMAN ANATOMY AND PHYSIOLOGY

Q P Code:- 11121

- INSTRUCTIONS:** 1. Your answer should be specific to the questions asked.
2. Write legibly.
3. Write the same question numbers as they appear in this question paper.
4. Draw neat labelled diagrams wherever necessary.

LONG ESSAYS (answer **any two)**

2X10=20

1. Explain anatomy and physiology of ear.
2. Classify tissues and explain the structures of epithelial tissues with one examples.
3. Describe the origin and functions of cranial nerves.

SHORT ESSAYS (answer **any seven)**

7X5=35

4. Write the structure and function of mitochondria.
5. Classify bones based on shape.
6. Write a brief note on neuromuscular junction.
7. Explain the structural and functional characteristics of heart.
8. Explain ABO systems of blood grouping.
9. Draw a neat labelled diagram of spleen.
10. Explain the regulation of blood pressure by hormones.
11. Explain the composition and functions of blood.
12. Explain the structure and functions of lymph nodes.

SHORT ANSWERS (answer **all questions)**

10X2=20

13. Define anemia and hemophilia.
14. What is active transport?
15. Name the protective tissue coverings of cranial nerves and spinal nerves.
16. Write the role of rods and cones in vision.
17. Mention the sutures of the skull.
18. Name the bones of upper limbs.

P T O

19. What are arterioles and venules?
20. What is otitis media?
21. Write the functions of SA node.
22. Satellite cells.

ACU, 11-09-2019 at 9.30 am to 12.30 pm