

QP CODE:1406

Reg.No:.....

FIRST YEAR B.PHARM DEGREE MODEL EXAMINATION, JULY 2011

Human Anatomy & Physiology

Time: 3 Hours

Total Marks: 100

- *Answer all questions*
- *Draw diagrams wherever necessary*

Essay

(2x10=20 marks)

1. Outline the parts of respiratory system and illustrate the process involved in CO₂ transport in our body
2. Classify the different types of blood cells and write the normal values of each. Give an account on the functions of each type of cells.

Write short notes on:

(10 x 5=50 marks)

3. Explain the sequences of events that occur in a cardiac cycle
4. Enumerate the differences between sympathetic and parasympathetic nervous system
5. Explain the different phases of menstrual cycle.
6. With the help of a neat labeled diagram enumerate the parts of digestive system. Name the four coats of stomach
7. Enumerate the bones of appendicular skeleton. Write two differences between male and female pelvis
8. With the help of a diagram discuss the structure of eye.
9. What are vitamins. Classify with examples. Write two functions each of any two fat soluble vitamins
10. What are the different types of body tissues. Discuss the special characteristics of epithelial tissues
11. What is reflex action. Explain the structures involved in its production
12. Write the role of renin- angiotensin aldosterone system in BP regulation

Answer Briefly :

(10x3=30 marks)

13. Discuss the different functions of liver
14. Mention any six disorders of eye
15. Explain the structure of synovial joint
16. Briefly explain mechanism of blood coagulation
17. Where is Paneth cell seen. Mention its functions
18. Define nerve plexus. Name the principal plexuses
19. Mention the growth pattern of lymphoid tissues
20. What are paranasal sinuses. Where are they located. Mention their functions.
21. What do you know about ventricles of brain.
22. Enumerate the first six cranial nerves
