

B. Pharm.
First Semester Examination (2008-09)
Anatomy, Physiology and Pathophysiology-I

Paper Code- PHAR 115
Marks-80

Paper ID- 5097
Time- 3hrs

Section-A

(1X16=16)

1. A(n) _____ is a group of similar cells and their surrounding material also performing specific function.
2. The sum of all of the body's chemical process is _____. It consist of two parts: The phase that builds up new substance is _____, and the phase that breaks down substance is _____.
3. The fluid located within cells is the _____, whereas the fluid located outside of the cells is _____.
4. Indicate whether the following statement true or false- A person lying face down would be in the supine position-_____
5. A point of contact between two bones, between bones and cartilage, or between bone and teeth is called(m) _____.
6. The surgical procedure in which a severely damaged joint is replaced within artificial joint is known as _____.
7. Chewing your food involved _____.
8. Synovial fluid functions to _____.
9. A single somatic motor neuron and all of the muscle fibers it stimulates is known as _____.
10. The synaptic end bulbs of somatic motor neurons contain synaptic vesicles filled with the neurotransmitter _____.
11. Choose True or False- The ability of muscle cells to respond to stimuli and produce electrical signals is known as excitability- _____
12. Synapse between a motor neuron and a muscle fiber _____.
13. EPO (Erythropoietin) helps in _____.
14. _____ factor responsible for Erythroblastosis fetalis.
15. Aspirin is an anti prostaglandin drug that inhibits _____.
16. True or False- Vitamins A, B, D, and K are fat soluble vitamins- _____.

Section B

Q2. Write short notes on any six of the following:

(6x4=24)

- a) Synovial joints
- b) Tendon reflex
- c) Desmosomes
- d) Hyoid bone
- e) Platelets
- f) Transmission of nerve impulse across the neuromuscular junction
- g) Mitochondria
- h) ABO blood group

Section C

Attempt any four of the following:

(4X10=40)

- Q3.** Explain the concept of selective permeability. Discuss the membrane fluidity? [5+5=10]
- Q4.** Describe the process involved in bone remodelling? [10]
- Q5.** What is muscle tone? Describe the isotonic and isometric contractions? [2+4+4=10]
- Q6.** List the cranial nerves. Describe the role of VIII cranial nerve? [5+5=10]
- Q7.** What is balanced diet? Describe vitamin. A deficiency. How this can be prevented and treated? [2+4+4=10]