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Total No. of Pages : 02

Total No. of Questions : 24

B.Pharma (2012 to 2016) (Sem.2)

**ANATOMY, PHYSIOLOGY AND HEALTH EDUCATION-I**

Subject Code : BPHM-204

M.Code : 46214

Time : 3 Hrs.

Max. Marks : 80

**INSTRUCTIONS TO CANDIDATES :**

1. SECTION-A is COMPULSORY consisting of FIFTEEN questions carrying TWO marks each.
2. SECTION-B contains FIVE questions carrying FIVE marks each and students have to attempt any FOUR questions.
3. SECTION-C contains FOUR questions carrying TEN marks each and students have to attempt any THREE questions.

**SECTION-A****Discuss briefly :**

1. Pacemaker
2. Human cell
3. Mitochondria
4. Spleen
5. Rabies
6. Heart sounds
7. Syphilis
8. Blood group
9. Leukemia
10. Myocardium
11. Electrocardiogram

12. Gout
13. White blood cell
14. Synovial joint
15. Elasticity

#### SECTION-B

16. Explain the events occurring in a cardiac cycle.
17. Describe the characteristics of connective tissue.
18. Discuss the structure of compact bone and its functions.
19. Write the composition and function of blood and its elements.
20. Discuss the renal regulation of blood pressure.

#### SECTION-C

21. Elaborate the molecular mechanism of skeletal muscle contraction.
22. Define Hemostasis. Describe the intrinsic and extrinsic pathways of blood clotting.
23. Discuss following diseases along with their causative agents, modes of transmission and prevention :
  - a) Tuberculosis
  - b) Tetanus
24. Write notes on :
  - a) Neuron and its supporting cells
  - b) Joint classification

**NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.**