

Roll No. 

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Total No. of Pages : 02

Total No. of Questions : 10

B.Pharm (2012 to 2016) (Sem.-3)

**ANATOMY, PHYSIOLOGY & HEALTH EDUCATION – II**

Subject Code : BPHM-304

M.Code : 46224

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**

1. Discuss/describe/differentiate the following with suitable examples / flow charts/diagrams :
  - a. Physiology
  - b. ECG
  - c. Epithelial issue
  - d. Gonorrhea
  - e. Joints
  - f. Spleen
  - g. Filariasis
  - h. Blood pressure
  - i. RBC
  - j. Cardiac output
  - k. Chicken pox
  - l. Pacemaker

- m. Platelet
- n. Diphtheria
- o. Artery versus vein

### SECTION-B

- 2. Discuss the structure and functions of heart.
- 3. Draw well labeled diagram of cell. Discuss its structure and functions.
- 4. Write down causative agents, mode of transmission and prevention of poliomyelitis and malaria.
- 5. Describe various events of cardiac cycle in detail.
- 6. Elaborate the molecular mechanism of muscle contraction in detail with suitable flow charts or diagram.

### SECTION-C

- 7. Describe the structure and functions of connective tissues in detail with suitable diagrams.
- 8. Discuss the following diseases in detail :
  - a. AIDS
  - b. Tuberculosis
- 9. Define blood pressure. Discuss regulation of blood pressure.
- 10. Define hemostasis. Discuss extrinsic and intrinsic pathways of blood coagulation.

**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.**