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Total No. of Pages : 02

Total No. of Questions : 10

B.Pharma (2011 to 2016) (Sem.2)
ANATOMY, PHYSIOLOGY AND HEALTH EDUCATION-I
Subject Code : BPHM-204
Paper ID : [D1115]

Time : 3 Hrs.

Max. Marks : 80

INSTRUCTION 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. Answer briefly :**

- a) Why RBC's are biconcave in shape?
- b) Rheumatoid arthritis
- c) Sutures
- d) Nucleus
- e) Osteoblasts
- f) The role of troponin tropomyosin in skeletal muscle contraction.
- g) Stroke volume
- h) Smooth endoplasmic reticulum.
- i) What is the normal platelet count? In which viral disease its number markedly gets decreased?
- j) Name two locations where simple squamous epithelium is present.
- k) Electrocardiogram
- l) ABO blood typing
- m) Mitochondria

- n) Malaria
- o) Agranulocytes

SECTION-B

- 2. Briefly discuss the causative agents, modes of transmission of poliomyelitis and AIDS.
- 3. Discuss the following :
 - a) Function of thymus
 - b) Hypertension
- 4. Define cardiac output. Outline the flow of blood through the chambers of the heart and through the systemic and pulmonary circulation.
- 5. Draw a well labelled diagram of a :
 - a) Neuron
 - b) Cell membrane
- 6. Differentiate between cardiac muscle tissue and smooth muscle tissue.

SECTION-C

- 7. Describe the process of skeletal muscle contraction starting from events occurring at neuromuscular junction.
- 8. Classify and describe epithelial tissues. What are the characteristics of epithelial tissues in general?
- 9. Define blood pressure. Discuss the neural and renal regulation of blood pressure.
- 10. Write a note on :
 - a) Synovial joint
 - b) Rh factor incompatibility