



Name : .....  
Roll No. : .....  
Invigilator's Signature : .....

**CS / B.PHARM(NEW) / SEM-3 / PT-305 / 2009-10  
2009**

**ANATOMY PHYSIOLOGY AND HEALTH  
EDUCATION**

Time Allotted : 3 Hours

Full Marks : 70

*The figures in the margin indicate full marks.*

*Candidates are required to give their answers in their own words as far as practicable.*

**GROUP – A**

**( Multiple Choice Type Questions )**

1. Choose the correct alternatives for any *ten* of the following :

10 × 1 = 10

- i) Non-nucleated blood cells are
  - a) immature RBC
  - b) mature RBC
  - c) platelets
  - d) both (b) and (c).
  
- ii) Dyspnoea is
  - a) painful respiration
  - b) cheerful respiration
  - c) funny respiration
  - d) under water respiration.

33123

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CS/B.PHARM(NEW)/SEM-3/PT-305/2009-10



- iii) Glucose is stored in the form of
- a) Fatty acid                      b) Glycogen
- c) Amino acid                      d) Glycerol.
- iv) Which of the following is a permanent contraceptive method for male ?
- a) Barrier method                      b) IUD
- c) Tubectomy                      d) Vasectomy.
- v) Which of the following is contractile protein ?
- a) Albumin                      b) Actin
- c) Serotonin                      d) None of these.
- vi) Universal donor is the individual with blood group
- a) A                      b) B
- c) AB                      d) O.
- vii) Structural and functional unit of the nervous system is
- a) Nephron                      b) Neuron
- c) Brain                      d) Spinal Cord.
- viii) Bile pigments are
- a) Bilirubin                      b) Biliverdin
- c) All of these                      d) None of these.

33123

2





**GROUP – B**

**( Short Answer Type Questions )**

Answer any *three* of the following.  $3 \times 5 = 15$

2. What is E.S.R. ? Mention its importance significance and normal value.
3. Write short notes on simple epithelial tissue & cardiac muscle tissue.  $3 + 2$
4. Write briefly about the composition of blood.
5. Explain the physiology of synaptic transmission.
6. Outline the important first aid features for burn therapy.

**GROUP – C**

**( Long Answer Type Questions )**

Answer any *three* of the following.  $3 \times 15 = 45$

7. Describe the stages of Erythropoieses. What factors are responsible for Erythropoieses ?  $5 + 10$
8. Write short notes on :  $3 \times 5$ 
  - i) Emergency treatments in poisoning case.
  - ii) Cardiopulmonary resuscitation ( CPR ).
  - iii) Snake bite.
9. Define and classify muscle. Differentiate them by focusing on their anatomy, physiology. Explain the physiology of muscle contraction.
10. Define lymph with the functions of lymphatic system. Explain the structure and function of spleen with a neat labelled diagram. Explain any two disorder of lymph node.
11. Define causative agents, mode of transmission and prevention of influenza, leprosy and AIDS.