



Name :

Roll No. :

Invigilator's Signature :

CS/B.Pharm(NEW)/SEM-3/PT-305/2010-11

2010-11

ANATOMY, PHYSIOLOGY & 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) Erythropoietin is secreted by
 - a) bone marrow
 - b) kidney
 - c) lungs
 - d) skin.
 - ii) Factor IV is
 - a) fibrinogen
 - b) prothrombin
 - c) calcium
 - d) Stuart power factor.
 - iii) Secretion of insulin is stimulated by
 - a) gastrin
 - b) cortisol
 - c) adrenaline
 - d) norepinephrine.
 - iv) BCG vaccine is used for prophylaxis in
 - a) Leprosy
 - b) Tuberculosis
 - c) Chickenpox
 - d) Filariasis.

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[Turn over



- v) The tissue which forms a limiting and lining membrane and covers free surfaces is
- a) adipose tissue
 - b) epithelial tissue
 - c) cartilage
 - d) jelly like connective tissue.
- vi) Kupffer cell is present in
- a) kidney
 - b) lungs
 - c) liver
 - d) brain.
- vii) Koplik's spot is used to diagnose
- a) chickenpox
 - b) measles
 - c) mumps
 - d) diphtheria.
- viii) Most movable joint is
- a) fibrous joint
 - b) cartilagenous joint
 - c) synovial joint
 - d) none of these.
- ix) Active transport depends on
- a) energy
 - b) concentration gradients
 - c) permeability of membrane
 - d) all of these.
- x) The effect of snake venom in RBC is
- a) erythropoiesis
 - b) nurosis
 - c) cogogenesis
 - d) haemolysis.



GROUP – C

(Long Answer Type Questions)

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

7. Write about causative organism, mode of transmission and prevention of
- a) Poliomyelitis
 - b) Tuberculosis
 - c) AIDS. $(1 + 1 + 3) \times 3$
8. a) What do you mean by haemostatis and homeostatis ?
b) Discuss the intrinsic pathway of blood coagulation.
c) Name two anticoagulants and mention their mode of action. $2 + 9 + 4$
9. Write a short note on spinal cord and CSF. Write down the mechanism of propagation of action-potential through neuron. Draw a neat diagram of a neurons. $(3 + 3) + 5 + 4$
10. Write down the different types of joints. Discuss the different types of sinovial joints.
11. Write short notes on any *three* of the following : 3×5
- a) Gaseous exchange in the lungs
 - b) Treating a poisoning patient
 - c) ABO system of blood grouping.
 - d) Composition and functions of lymph.