



Name :

Roll No. :

Invigilator's Signature :

**CS/B.Pharm(N)/ SEM-3/PT-305/2012-13
2012**

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) Megaloblastic anaemias occur due to

- a) Iron deficiency
- b) Vitamin B₁₂ deficiency
- c) Bone marrow failure
- d) Genetic abnormalities.

ii) Villus is present in the

- a) small intestine
- b) large intestine
- c) stomach
- d) all of these.

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[Turn over



- iii) Dyspnea is
- a) painful respiration
 - b) cardiac pulmonary respiration
 - c) under water respiration
 - d) funny respiration.
- iv) Glucose is stored as
- a) Falty acid
 - b) Glucagon
 - c) Glycogen
 - d) Glycerol.
- v) Normal value of vital capacity is
- a) 4800 ml
 - b) 500 ml
 - c) 6000 ml
 - d) 1200 ml.
- vi) Space between dendrites and cell body of next neuron is known as
- a) Synaptic knob
 - b) Synaptic cleft
 - c) Synaptic vesicles
 - d) Synaptic membrane.
- vii) Humoral immunity is mediated by
- a) T-lymphocytes
 - b) Macrophages
 - c) B-lymphocytes
 - d) Natural killer cells.
- viii) Which of the following is a muscle contractile protein ?
- a) Serotonin
 - b) Albumin
 - c) Troponin
 - d) Melanin.

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GROUP - C
(Long Answer Type Questions)

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

7. Write a note on hazards of blood transfusion. Discuss the intrinsic and extrinsic pathway of blood coagulation. Write a note on clotting factors. $5 + 7 + 3$
8. Write down the causative agent, mode of transmission and prevention of any *three* of the following diseases : $5 + 5 + 5$
- Measles
 - Poliomyelitis
 - Tuberculosis
 - AIDS.
9. Describe the structure of a myelinated nerve cell. Explain the mechanism of nerve impulse conduction. $5 + 10$
10. Write down the anatomical position, structure and functions of the following parts of the gastrointestinal tract : $(1 + 2 + 2) \times 3$
- Liver
 - Pancreas
 - Stomach.
11. Write short notes on any *three* of the following : $5 + 5 + 5$
- Synovial joints
 - Peptic ulcer
 - ABO system of blood grouping
 - Bile salts
 - Treatment of shock.