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FNH 403

I Semester M.Sc. Degree (CBCS) Examination, December 2018
FOOD SCIENCE AND NUTRITION
Human Physiology

Time : 3 Hours

Max. Marks : 70

1. Write short notes on **any five** of the following (**not** exceeding **2** pages **each**) :
(5×3=15)
 - a) Hemoglobin.
 - b) Antibody.
 - c) Hormones.
 - d) Structure of neuron.
 - e) Xenobiotics.
 - f) Anti-oxidants.
 - g) Acid-base balance.
 - h) Structure of nephron.

2. Write explanatory notes on **any five** of the following (**not** exceeding **3** pages) :
(5×5=25)
 - a) Cell mediated and humoral immunity.
 - b) Composition and function of blood.
 - c) Anatomy of brain.
 - d) Mechanism of hormone action.
 - e) Structure of digestive track.
 - f) Mechanism of detoxification.
 - g) Transport of major nutrients from small intestine to liver.
 - h) Reproductive health and nutritional requirements.

P.T.O.



3. Answer **any three** of the following (**not** exceeding **5** pages **each**) : **(3×10=30)**

- a) Give a detailed account of circulatory system.
 - b) Discuss the principle of nerve impulse conduction.
 - c) Explain the structure and functions of liver.
 - d) Discuss the physiology of excretion and add a detailed note on role of kidney in water regulation.
 - e) Discuss the role of free radicals and antioxidants in health and diseases.
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