

M.SC. (DFSM)**Term-End Examination****June, 2014****MFN-001 : APPLIED PHYSIOLOGY***Time : 3 hours**Maximum Marks : 100*

*Note : Question 1 is compulsory. Attempt five questions.
All questions carry equal marks.*

1. (a) Give one example of each of the following: 10
- i) Connective Tissue
 - ii) Types of Joints.
 - iii) Disorders of Image formation.
 - iv) Male Reproductive organs.
 - v) Hormones secreted by Pineal Gland
 - vi) Modern methods of contraception
 - vii) Types of Immunity.
 - viii) Enzymes of Gastric Juice.

- ix) Parts of Nerve cells.
- x) Parts of Large Intestine.
- (b) Explain each of the following terms in 2-3 sentences: **10**
- i) Dialysis.
- ii) Enzymes.
- iii) Parkinson's disease
- iv) Osmosis.
- v) Cataract
2. (a) Describe the muscles which help in the respiration. **10**
- (b) Explain the chemical control of respiration. **10**
3. (a) Explain the process of urine formation.. **10**
- b) Describe the normal and abnormal constituents of the urine. **10**

4. a) What is anaemia? 5
- b) Classify the anaemia. 5
- c) Describe the physiological causes of different types of anaemia. 10
5. a) Enumerate the types and functions of the cranial nerves. 10
- b) Explain a synapse and the process of synaptic transmission. 10
6. a) Describe the composition and functions of the bile juice. 10
- b) Explain the process of digestion of proteins in the human body. 10
7. (a) Describe the structure and functions of the middle ear. 8
- b) Explain the various disorders related to the hearing and their management. 12

8. Write short Notes on *any FOUR* of the following: **5+5+5+5**

- a) Hypertension
- b) Physiological changes during lactation
- c) Renal function Tests.
- d) Female contraceptives
- e) Balanced Diet.

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