

**MASTER OF SCIENCE (DIETETICS AND  
FOOD SERVICE MANAGEMENT)**

**Term-End Examination**

**June, 2012**

**MFN-001 : APPLIED PHYSIOLOGY**

*Time : 3 hours*

*Maximum Marks : 100*

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- Note :** (i) *Attempt any five questions.*  
(ii) *Question no. 1 is compulsory.*  
(iii) *All questions carry equal marks.*
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1. (a) Give one example of each of the following : **10x1=10**
- (i) Leukocytes
  - (ii) Male Contraceptive
  - (iii) Coverings of the eye
  - (iv) Constituents of Bile
  - (v) Spinal nerves
  - (vi) Renal Function Tests
  - (vii) Lobes of cerebral cortex
  - (viii) Disorders of image formation
  - (ix) Types of antibodies
  - (x) Hormones secreted by Anterior Pituitary gland.

- (b) Define the following : **10**
- (i) Haemopoiesis
  - (ii) Macrophages
  - (iii) Mitosis
  - (iv) Phagocytosis
  - (v) Atherosclerosis
2. (a) Explain the physiology of lactation. **10**
- (b) Describe the common disorders of Female Reproductive System. **10**
3. (a) Explain the structure of Pancreas with the help of suitable diagram. **10**
- (b) Describe the functions of different hormones secreted by Pancreas. **10**
4. (a) Describe the structure of ear with the help of suitable diagram **10**
- (b) Explain the mechanism of hearing. **10**
5. (a) What do you understand by the term 'ageing'? **4**
- (b) Explain the various theories of ageing. **4**
- (c) Describe the age related changes seen in different body systems and tissues **12**

6. Define anaemia and explain the different types of anaemia 20
7. (a) Describe the structure of kidney with the help of a diagram. 10  
(b) Explain the process of urine formation. 10
8. Write short notes on *any four* of the following : 5+5+5+5
- (a) Structure and functions of a neuron
  - (b) Permanent methods of contraception
  - (c) Glaucoma
  - (d) Antibody Mediated Immune System
  - (e) Haemostasis
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