

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

Term-End Examination

December, 2015

MFN-001 : APPLIED PHYSIOLOGY

Time : 3 hours

Maximum Marks : 100

Note : (i) Attempt any five questions.

(ii) Question No. 1 is compulsory.

(iii) All questions carry equal marks.

1. (a) Give one example for each of the following :
- (i) Enzyme of intestinal juice 1x10=10
 - (ii) Type of Muscular Tissue
 - (iii) Type of Joint
 - (iv) Cranial Nerve
 - (v) Temporary method of female contraception
 - (vi) Disorder of Thyroid Gland
 - (vii) Constituent of Bile
 - (viii) Liver Function Test
 - (ix) Type of White Blood Cells
 - (x) Bone of Middle Ear
- (b) Briefly explain the following terms : 2x5=10
- (i) Autoimmunity
 - (ii) Contraception
 - (iii) Cardiac output
 - (iv) Glaucoma
 - (v) Vital Capacity

2. Describe various external and internal defence mechanisms of human body. **20**
3. (a) Define ageing. **2+8+10**
(b) Explain various theories of ageing.
(c) Describe various age related changes observed in body system.
4. Describe the composition and functions of the blood. **20**
5. (a) Explain the process of urine formation. **8+12**
(b) Describe the normal and abnormal constituents of the human urine.
6. (a) Explain the structure and functions of the pancreas. **10+10**
(b) Describe the composition and function of bile juice.
7. (a) Describe the structure of the Eye with the help of suitable diagram. **10+10**
(b) Discuss the disorders of image formation by the eye and their correction.
8. Write short notes on **any four** of the following :
(a) Hormones secreted by Pituitary Gland **5+5+5+5**
(b) Lobes of Cerebral Cortex
(c) Structure of tongue
(d) Causes of female infertility
(e) Male Puberty