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MFN-001

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

M. SC. (DFSM)

Term-End Examination

December, 2020

MFN-001 : APPLIED PHYSIOLOGY

Time : 3 Hours

Maximum Marks : 100

Note : *Attempt five questions in all. Question No. 1 is compulsory. All questions carry equal marks.*

1. (a) Give **one** example of each of the following : 1×10=10
- (i) Renal function test
 - (ii) Modern methods of female contraception
 - (iii) Blood cells
 - (iv) Disorders of Image Formation by the eye
 - (v) Disorders related to Pulse Rate
 - (vi) Parts of Mid Brain
 - (vii) Signs of Vitamin A deficiency

- (viii) Types of Joints
- (ix) Types of Anaemia
- (x) Spinal Nerves

(b) Briefly explain the following terms in **2–3** sentences each : 2×5=10

- (i) Salivary Glands
- (ii) Bile Juice
- (iii) Prostate Gland
- (iv) Leucocytes
- (v) Signs of inflammation

2. Describe the structure and functions of Central Nervous System (CNS) with the help of suitable diagrams. 20
3. Describe the structure and functions of the heart with suitable diagrams. 20
4. (a) Describe the structure of Salivary Glands. 8
(b) Explain the process of digestion of food in our body. 12
5. (a) Draw a labelled diagram of female reproductive system. 8
(b) Describe the growth and development of foetus up to 32 weeks of gestation. 12

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6. (a) With the help of diagrams, describe various types of tissues. 10
- (b) Discuss various theories of ageing. 10
7. (a) Describe the structure of eye with the help of suitable labelled diagram. 8
- (b) Discuss various types of refractive errors. How can they be corrected ? 12
8. Write short notes on any *four* of the following : 5 each
- (a) Liver Function Tests
 - (b) Dialysis
 - (c) Functions of lungs
 - (d) Endocrine Glands
 - (e) Middle Ear
 - (f) Abnormal Constituents of urine