

2022

**Food Science and Nutrition**

[P.G.]

(CBCS)

**(M.Sc. Third Semester End Examination-2022)**

**PAPER-301**

*Full Marks:40*

*Time: 02 Hrs*

*The figures in the right hand margin indicate marks*

*Candidates are required to give their answers in their own words as far as practicable*

*Illustrate the answers wherever necessary*

**Group-A**

**A. Answer any five questions of the following: 5x2= 10**

1. Define Proto-oncogene and Oncogene?
2. Which types of foods are avoided in HIV infection?
3. What are the major causes of 'Bone loss'?
4. Write the risk factors of Chronic Bronchitis?
5. Define depression and its types.
6. What is 'Gastric Surgery'?
7. What is the role of hyperoxaluria in kidney stone formation?
8. What is Phenylketonuria?

(2)

**Group-B**

**B. Answer any four questions of the following: 4x5 = 20**

9. What is atherosclerosis. Describe the process of atherosclerotic plaque formation. Which type of food source minimized this plaque formation? 1+2+2
10. Write the mechanism of T-cell immunodeficiency in HIV infection. State about the mode of transmission of HIV in parenteral transmission. 3+2
11. Which are the common cause of TB and its mode of transmission? 2+3
12. How vitamin D<sub>3</sub> promotes intestinal calcium absorption? What is osteoporosis? 3+2
13. What is the role of diet in colorectal carcinogenesis? What are the main components of diet in a patient of malignancy? 2+3
14. Define Dementia. What are the causes of Dementia. Write the ICD 10 diagnostic criteria for depressive episodes. 1+2+3

**Group-C**

**C. Answer any one question of the following: 1x10 = 10**

15. Write the main causes of Jaundice? What is the therapeutic goal of ulcer? Which type of nutrient are supplemented for a diarrhea patient? Which food are avoided in bleeding ulcer? (2+3+2+3)

(3)

16. What are the risk factors of 'Ischaemic Heart Disease' ? Describe dietary management of a patient having hypertension and Ischaemic heart disease. 4+6
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