

**2019**  
**Part – II**  
**NUTRITION**  
**(Honours)**  
**Paper – IV**

*Full Marks – 90*

*Time : 4 Hours*

*he questions are of equal value for any group / half.  
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.*

**UNIT – 7**  
**GROUP – A**

1. Answer any **five** questions from the following :  
2×5=10
- (a) Define dietary counselling.
- (b) Write any two features of fluid diet.

**P.T.O.**

- (c) Define febrile condition of body.
- (d) What do you mean by RUTF ?
- (e) Write any two symptoms of pancreatitis.
- (f) Write down any two clinical condition where you can prescribe high carbohydrate diets.
- (g) What are the major constituents of flatus ?
- (h) What do you mean by acquired lactose intolerance ?

### GROUP - B

Answer any **four** question from the following :

5×4=20

- 2. (a) Define parenteral feeding.
- (b) Write any four conditions when parenteral feeding is adopted. 2+3
- 3. (a) Write the features of low energy and high energy diet.

(b) State the steps adopted for introduction of high energy diet for the management of under weight individual. 2+3

4. (a) Classify diarrhoea on the basis of causative agent.

(b) What are the major causes for ulcerative colitis ?  $2\frac{1}{2} + 2\frac{1}{2}$

5. (a) Write the etiology of celiac sprue.

(b) State the guidelines for dietary management of celiac sprue. 2+3

6. (a) What is the major cause of wilson's disease ?

(b) Write the dietary care of the patient suffering from Wilson's disease. 2+3

7. (a) Write the etiology of liver cirrhosis.

(b) State the dietary mangement of liver cirrhosis. 2+3

8. (a) Write any four criteria of a good dietary counsellor.

- (b) "Dietary counsellor is a patient educator" –  
Justify the statement. 2+3

### GROUP – C

Answer any **one** question : 15×1=15

9. (a) Write the guidelines adopted for transformation of normal diet into therapeutic diet.
- (b) State the features of 'DASH' diet.
- (c) Discuss in short the ways of assesment of patient's need. 5+4+6
10. (a) Classify 'Naso-enreral' feeding.
- (b) What do you mean by monomeric and polymeric diet ?
- (c) Define transitional feeding and state its application.
- (d) Differentiate IBD from IBS. 3+3+(2+3)+4

## UNIT – 8

### GROUP – D

11. Answer any five questions from the following :

2×5=10

- (a) Define sterilisation.
- (b) What is log phase of bacterial growth cycle.
- (c) Write any four features of safe drinking water.
- (d) Define freeze-drying.
- (e) Write the name of any two meat products.
- (f) Write the name of any two liquid wastes.
- (g) Give any two examples of canned foods.
- (h) Write the names of any two solid media of microbial culture.

### GRPUP – E

Answer any four questions of the following : 5×4

12. Write any five extrinsic factors influencing bacterial growth. 5

13. State difference between food borne infection and intoxication with example. 5
14. Write the working principle of food preservation by chemical preservatives. 5
15. Describe any two methods for isolation of micro-organism in brief.  $2\frac{1}{2} + 2\frac{1}{2}$
16. State the mechanisms of food spoilage of milk and milk products. 5
17. Describe the process of detection of food borne disease outbreak. 5
18. Discuss point wise the different ways followed for maintenance of healthy state of kitchen hygiene. 5

### GROUP – F

Answer any **one** of the following : 15×1=15

19. (a) Describe the sewage treatment system in detail.
- (b) State the significance of food laws.
- (c) Discuss any four factors of sanitary quality. 7+4+4

20. (a) Discuss the role of food microbiology in food industries.
- (b) Describe any two major public health hazards noted in our country due to contaminated food intake and write in brief for their management. 5+(5+5)
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