UG/II/NUT/H/IV/17(New)

2017

NUTRITION

[Honours]

PAPER – IV

Full Marks : 90

Time : 4 hours

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

[NEW SYLLABUS]

UNIT – 7

GROUP – A

1. Answer any *five* questions from the following : 2×5

(*a*) What do you mean by fluid diet ?

(*b*) Write any one application of RUTF.

(*c*) Write the names of any two 'Liver Function Test'.

(*d*) Define malabsorption syndrome.

(*e*) Which type of diet is prescribed to the gastric ulcer patient ?

(*f*) What is the basic difference between overweight and obese ?

(*g*) Write any two features of low energy diet ?

(*h*) What is haemorrhoids ?

GROUP – B

Answer any **four** questions from the following : 5 × 4

2. State the principles adopted for the conversion of normal diet to therapeutic diet.

3. Why dietetian is consider as a component of medical team ?

4. Write the major behavioral modifications for the development of health friendly diet consumption.

5. State the major causes for the onset of IBS.

6. State the characteristic features of bulimia nervosa.

7. State in brief about the clues adopted for the formulation of therapeutic diet of hepatitis patient.

8. Write the major causes of gallstone formation.

GROUP – C

Answer any **one** question from the following : 15×1

9. (*a*) Define underweight.

   (*b*) State the etiology of underweight.

   (*c*) Write the phasewise therapeutic diet for the management of diarrhoea patient.

   (*d*) What are the major causes of flatulence ?

   $2+3+6+4$

10. (*a*) Write the major steps adopted for collection of information about patient's needs from the view point therapeutic diet formulation.

(*b*) State in brief about therapeutic diet at post surgical condition in general.

(*c*) Describe briefly the principle of diet formulation for the prevention of obesity.

5 + 5 + 5

UNIT – 8

GROUP – D

11. Answer any *five* questions from the following : 2 × 5

(*a*) What do you mean by transport media of micro-organisms ? Give an example.

(*b*) At which phase of bacterial growth cycle, the death rate exceeds the reproduction rate ? Write its one reason.

(*c*) What is a_w ? Write its role on bacterial survivability.

(*d*) Write any two modes of transmission of food borne infection.

(*e*) State any two importance of kitchen hygiene.

(*f*) Write any two examples of liquid wastes.

(*g*) Write any two criteria of good hygiene of milk.

(*h*) Write the toxic effects of Hg in food on human.

GROUP – E

Answer any **four** questions of the following : 5 × 4

12. Write the major factors affecting food plant hygiene.

13. State in brief about the primary and secondary phases of sewage treatment.

14. Describe in brief about any four methods of prevention of public health hazards due to contaminated foods.

15. *State in brief* about the spoilage of meat and meat products by microorganisms.

16. Write in brief about the principle of food preservation by freeze-drying.

17. Describe the isolation of bacteria on the basis of susceptibility test.

18. Write the role of any two intrinsic factors those affect the growth and survivability of bacteria.

GROUP – F

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

19. (*a*) "Fermentation of food provides numerous benefits'– Justify the statement.

(*b*) Why is ultra high temperature or high pressure sterilization is prefer over routine sterilization for food preservation ?

(*c*) Write the role of blanching in freezing of food.

(*d*) "Frequent freezing-thawing-freezing cycle is not desirable"– Justify the statement from the view point of quality of nutrient preservation of food. 5 + 4 + 3 + 3

20. (*a*) What do you mean by inertization of waste disposal ?

(*b*) State the hydroclave treatment of waste disposal in brief.

(*c*) Write the importance of aldehyde type of disinfectants in the field of food science.

(*d*) What is the application of ozone sterilization in food preservation.

(*e*) What do you mean by synthetic media for bacterial culture ? 3+3+4+3+2