



WEST BENGAL STATE UNIVERSITY

B.Sc. Honours PART-II Examinations, 2018

FOOD AND NUTRITION-HONOURS

PAPER-FNTA-III

Time Allotted: 4 Hours

Full Marks: 100

*The figures in the margin indicate full marks.
Candidates should answer in their own words and adhere to the word limit as practicable.
All symbols are of usual significance.*

UNIT-I

COMMUNITY NUTRITION

[Marks: 50]

1. Answer any **five** questions from the following: 2×5 = 10
 - (a) Distinguish between rural and urban communities.
 - (b) Mention the objectives of Nutritional status assessment.
 - (c) What is “Road-to-Health Card”?
 - (d) What is Quetelet Index?
 - (e) What is “Triple-A-Cycle”?
 - (f) Who are “at risk group”?
 - (g) Write the full form of CARE, UNICEF, FAO, CSWB.
 - (h) Write the specific objectives of ANP.

2. Write short notes on any **four** of the following: 4×4 = 16
 - (a) Different methods of Nutrition Education.
 - (b) IDD control programme.
 - (c) Importance of anthropometry for the assessment of nutritional status.
 - (d) Poverty and Malnutrition.
 - (e) WHO and their activities.
 - (f) Food security.
 - (g) International Red Cross.
 - (h) Signs and symptoms of marasmus and kwashiorkor.

3. Answer any *two* questions from the following: 12×2 = 24
- (a) (i) What is Endemic Goitre? 2
 - (ii) Briefly discuss about “Goitrogens”. 4
 - (iii) Mention the disorders caused by vitamin ‘A’ deficiency. State the programmes to prevent it, as taken by Govt. of India. 3+3

 - (b) (i) Discuss the epidemiological factors involved with anaemia. 4
 - (ii) What is PEM? Discuss how this can be prevented in rural and urban area? 4
 - (iii) Discuss the impact of malnutrition on national development. 4

 - (c) (i) What are the components of Nutritional monitoring? 3
 - (ii) How do you assess the nutritional status of an adolescent girl by diet survey? 5
 - (iii) Write the objectives and limitations of supplementary feeding programme. 4

 - (d) (i) What is GOBI project? 2
 - (ii) Discuss the role of UNICEF in community health and Nutrition development. 5
 - (iii) Discuss the role of AVA in Nutrition Education. 5

UNIT-II

PUBLIC HEALTH AND EPIDEMIOLOGY

[Marks: 50]

4. Answer any *five* questions from the following: 2×5 = 10
- (a) Mention the causes of Maternal mortality.
 - (b) What do you mean by prenatal period?
 - (c) Name the organisms responsible for (i) Amoebiasis (ii) Chicken pox.
 - (d) Mention the causes of typhoid fever.
 - (e) Write the complications of Measles .
 - (f) Compare between “Endemic” and “Epidemic”.
 - (g) What is Incubation Period with respect to AIDS?
 - (h) What do you mean by safe drinking water?

5. Write short notes on any **four** of the following: 4×4 = 16
- (a) MMR and its Vaccine.
 - (b) Cause and prevention of poliomyelitis.
 - (c) Dengue.
 - (d) Diseases caused by water pollution.
 - (e) Epidemiological triad.
 - (f) Sewage treatment.
 - (g) Health advice to foreign travelers.
 - (h) Staphylococcal food poisoning.
6. Answer any **two** questions from the following: 12×2 = 24
- (a) (i) Write the objectives of epidemiological study. 4
 - (ii) Write the methods of Refuse disposal. 6
 - (iii) How many types of sanitary Latrines are used? 2
 - (b) (i) Briefly discuss about purification of water in large scale as well as in small scale. 4+4
 - (ii) Discuss about drinking water handling. 4
 - (c) (i) State the principle and advantages of Immunization. 4
 - (ii) Write the National Immunization schedule by mentioning its importance. What is booster dose? 4+1
 - (iii) Mention some important Immunization for adults and foreign travelers. 3
 - (d) (i) Define health. Mention the different dimension of health. 2+2
 - (ii) Give an idea about child and infant mortality rate in our country by mentioning the causes. 4
 - (iii) Briefly state the epidemiology of beriberi and hyperlipidaemia. 2+2



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B.Sc. Honours PART-II Examinations, 2018

FOOD AND NUTRITION-HONOURS

PAPER-FNTA-IV-A

Time Allotted: 2 Hours

Full Marks: 50

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UNIT-I

1. Briefly answer any **five** questions from the following: 2×5 = 10
 - (a) What do you mean by decortication of pulse?
 - (b) What is an anti-caking agent? Give examples.
 - (c) Write the full form of FPO and MPO.
 - (d) Distinguish between jam and jelly.
 - (e) What is egg bloom?
 - (f) What is a tea flush?
 - (g) Name two fermented products of rice.
 - (h) What is Gluten formation?
 - (i) What is Fabism?

2. Write short notes on any **four** of the following: 4×4 = 16
 - (a) Whey protein
 - (b) Parboiling of rice
 - (c) Rancidity of fat
 - (d) Preservatives
 - (e) Emulsifier
 - (f) Herbs
 - (g) Processing of tea.

3. Answer any **two** questions from the following: 12×2 = 24
 - (a) (i) Discuss the chemical changes that occur during ripening of fruits. 2
 - (ii) What is marmalade? 2
 - (iii) Write the nutritional significance of cottage cheese. 2
 - (iv) Explain the role of pectin and gelatin in food processing. 3+3

- (b) (i) What is Agar-agar? 2
(ii) Describe the effect of dry and moist heat on starch. 4
(iii) Write down the types of pasteurization performed in food industry, by mentioning its significance. 3
(iv) Define and classify beverages. 1+2
- (c) (i) Write the selection procedure of fish. 2
(ii) What do you mean by curing of meat? 2
(iii) What is the utility of smoking of meat? 2
(iv) What are the reasons behind the food adulteration? 2
(v) Discuss the changes occurring during roasting of coffee beans. 4
- (d) (i) Discuss the role of breakfast-cereals in everyday diet. 3
(ii) What do you mean by the leavening agent? State the various types of leavening agents with appropriate examples. 1+3
(iii) Write a brief note on convenient foods. 3
(iv) Discuss the effect of cooking on pigments present in vegetables. 2