

SH-V/NUT/502/C-12/19

B.Sc. 5th Semester (Honours) Examination, 2019-20

NUTRITION

Course ID : 52312

Course Code : SH/NUT/502/C-12

Course Title : Community Hygiene and Sanitation

Time: 2 Hours

Full Marks : 40

The figures in the margin indicate full marks.

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

1. Answer *any five* of the following questions: 2×5=10
- (a) What is food poisoning?
 - (b) Write the characteristics of safe drinking water.
 - (c) Write the adverse effect of an industrial waste on human health.
 - (d) What is Shigellosis?
 - (e) Write the sources of Radio-active waste.
 - (f) Mention two symptoms of staphylococcal food poisoning.
 - (g) Give the difference between food borne infection and food borne intoxication.
 - (h) What do you mean by sanitation?
2. Answer *any four* of the following questions: 5×4=20
- (a) Write the clinical features of Cholera. Mention the composition of ORS (according to WHO). 3+2=5
 - (b) What do you mean by personal hygiene? Mention different aspects of personal hygiene. 1+4=5
 - (c) What is aflatoxicosis? Write the symptoms of acute and chronic aflatoxicosis. 1+(2+2)=5
 - (d) What is Bio-medical waste? Write the methods of it's management. 1+4=5
 - (e) What is Botulism? Mention the symptoms of Botulism. 1+4=5
 - (f) Write the mode of transmission of Amoebiasis. Give the clinical features of Amoebiasis. 2+3=5
3. Answer *any one* of the following questions: 10×1=10
- (a)
 - Write the causes of community water pollution.
 - What are the effect of such pollution on human health?
 - Describe the small scale purification of water. 3+2+5=10

- (b)
- What is Salmonellosis?
 - Describe the clinical manifestation of it.
 - Write the mode of transmission of this disease.
 - How transmission of this disease can be prevented?

1+5+2+2=10

SH-V/NUT/503/DSE-1/19

B.Sc. 5th Semester (Honours) Examination, 2019-20

NUTRITION

Course ID : 52316

Course Code : SH/NUT/503/DSE-1

Course Title : Food Safety and Sustainable Nutrition

Time: 1 Hour 15 Minutes

Full Marks : 25

The figures in the margin indicate full marks.

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

1. Answer *any five* of the following questions: 1×5=5
- (a) Give the full form of ISI.
 - (b) Define organic foods.
 - (c) What is cold sterilization?
 - (d) What do you mean by supplementary nutrition?
 - (e) What are GM foods?
 - (f) Give two examples of fortified foods used to treat micronutrient deficiency in India.
 - (g) Write down the principle behind food preservation by pickling.
 - (h) What is Codex Alimentarius?
2. Answer *any two* of the following questions: 5×2=10
- (a) Which law is enforced in India to prevent food adulteration? Give a brief account of the law. 1+4=5
 - (b) Describe in brief the process of pasteurization. 5
 - (c) What is germination? How does it improve nutritional quality of foods? 2+3=5
 - (d) Discuss the merits and demerits of genetically modified foods. 2½+2½=5
3. Answer *any one* of the following questions: 10×1=10
- (a) Describe the process of food preservation by canning. What is cryogenic preservation of foods? 8+2=10
 - (b) Write about the beneficial effects of probiotics and prebiotics on human health. 5+5=10
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SH-V/NUT/503/DSE-1(P)/19

B.Sc. 5th Semester (Honours) Practical Examination, 2019-20

NUTRITION

Course ID : 52326

Course Code : SH/NUT/503/DSE-1 (P)

Course Title : Food Safety and Sustainable Nutrition

Time: 2 Hours

Full Marks : 15

The figures in the margin indicate full marks.

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

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|--|---|
| 1. Prepare the preserved food product as instructed in the lottery slip. | 3 |
| 2. Submit the market survey report. | 5 |
| 3. Laboratory Note Book | 2 |
| 4. Viva-voce | 5 |
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SH-V/NUT/504/DSE-2/19

B.Sc. 5th Semester (Honours) Examination, 2019-20

NUTRITION

Course ID : 52317

Course Code : SH/NUT/504/DSE-2

Course Title : Maternal and Child Nutrition

Time: 1 Hour 15 Minutes

Full Marks : 25

The figures in the margin indicate full marks.

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

1. Answer *any five* of the following questions: 1×5=5
- (a) What do you mean by small for date infant?
 - (b) Mention two indicators of MCH.
 - (c) What is Infant Mortality Rate.
 - (d) What do you mean by “Growth Faltering”?
 - (e) What is Let-down reflex?
 - (f) Write two symptoms of GERD.
 - (g) What is TORCH infection?
 - (h) Mention two feeding problems of a child with “cleft palate”.
2. Answer *any two* of the following questions: 5×2=10
- (a) What is cerebral palsy? Write the specific management of feeding problems in a child with cerebral palsy. 1+4=5
 - (b) What is antenatal care? Write the schedule of antenatal care. 1+4=5
 - (c) Write the different physiological changes noted during pregnancy. Write the role of progesterone hormone in maintaining the pregnancy. 4+1=5
 - (d) What is GERD? Write the nutritional management a child with GERD. 1+4=5
3. Answer *any one* of the following questions: 10×1=10
- (a) Why mother and child must be considered as one unit? Write the objectives of MCH care. Mention the causes of poor maternal and child health. 2+2+6=10
 - (b) Mention the risk factors of preterm birth. What are the developmental problems of preterm infant? Write the nutritional management of pre-term infant. 2+3+5=10

SH-V/NUT/504/DSE-2(P)/19

B.Sc. 5th Semester (Honours) Practical Examination, 2019-20

NUTRITION

Course ID : 52327

Course Code : SH/NUT/504/DSE-2

Course Title : Maternal and Child Nutrition

Time: 2 Hours

Full Marks : 15

The figures in the margin indicate full marks.

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

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|---|---|
| 1. Prepare a dish as specified on the card. | 6 |
| • Calculate the presence of macronutrients in the prepared item. | 3 |
| • Write the nutritional significance of the dish for the specified group. | 1 |
| 2. Submit Laboratory Notebook. | 2 |
| 3. Viva voce | 3 |
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SH-V/NUT/501/C-11/19

B.Sc. 5th Semester (Honours) Examination, 2019-20

NUTRITION

Course ID : 52311

Course Code : SH/NUT/501/C-11

Course Title : Community Nutrition

Time: 1 Hour 15 Minutes

Full Marks : 25

The figures in the margin indicate full marks.

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

1. Answer *any five* of the following questions: 1×5=5
- (a) What is the important difference between stunting and wasting?
 - (b) Define GOBI according to UNICEF.
 - (c) Mention the important methods for growth monitoring.
 - (d) What do you mean by infant mortality rate?
 - (e) Write the full form of ASHA, CARE.
 - (f) Which dietary assessment tool is considered the 'gold standard'?
 - (g) Name two direct and indirect methods of nutritional status assessment.
 - (h) What is neonatal mortality rate?
2. Answer *any two* of the following questions: 5×2=10
- (a) "Diet survey may not give the accurate value in knowing the nutritional status."—Give reasons. Classify the clinical signs associated to nutritional deficiency citing proper examples for each class. 2+3=5
 - (b) Write the association of vital statistics with community nutrition management. What are the advantages and disadvantages of vital statistics? 2½+2½=5
 - (c) Write about the triple A cycle method of nutritional surveillance. Distinguish between nutrition monitoring and surveillance. 3+2=5
 - (d) Distinguish the clinical and biochemical features of marasmus and kwashiorkor? 5
3. Answer *any one* of the following questions: 10×1=10
- (a) Explain the functions of FAO. Which type of supplementary nutrition and immunization are provided through ICDS? State the achievements of UNICEF in relation to nutrition: 4+2+4=10
 - (b) Explain the aetiological factors of PEM. State the MDM programme for controlling of Malnutrition. Write down the uses of growth chart. 4+3+3=10

SH-V/NUT/501/C-11(P)/19

B.Sc. 5th Semester (Honours) Practical Examination, 2019-20

NUTRITION

Course ID : 52321

Course Code : SH/NUT/501/C-11

Course Title : Community Nutrition

Time: 2 Hours

Full Marks : 15

The figures in the margin indicate full marks.

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

1. Measure height and weight of a subject and compute BMI from these measurements. 6
Interpret your result.
Mark division:
 - Measurement — (2+2)
 - Computation — 1
 - Interpretation — 1
 2. Write any two signs of a nutritional deficiency disorder as mentioned on the supplied card. 2
 3. Laboratory Notebook 2
 4. Submission of Diet Survey report 2
 5. Viva-voce 3
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