

THE UNIVERSITY OF BURDWAN
B.Sc. (Honours) Semester-III Examination (CBCS): 2021
Subject: Nutrition
Course Code: SEC 1
Course Title: Technology of Fruits & Vegetables

The figures in the right hand margin indicate full marks

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

Answer all *questions* as instructed

Examinees are instructed to submit the scanned copies / photographs of their answer scripts within 30 minutes after the completion of examination

F.M.-40

Time: 2hrs

Answer any eight questions of the following:

5×8=40

1. Briefly describe the process of tomato sauce preparation with flow chart.
2. Elaborate the chemical changes occur during storage of fruits and vegetables.
3. List the causes of spoilage in pickles. Why salt and sugar are added during pickling?
4. Write down the principles of food preservation. What is carbonation?
5. Describe the general procedure of canning. What is clarification in food production?
6. Classify the pigments present in vegetables and fruits and give a brief description on each pigment.
7. Elaborate the causes of canned food spoilage.
8. Write a short note on enzymatic browning.
9. What are the different methods used in dehydration of fruits and vegetables?
10. What is pectin and discuss its role in jelly preparation?

The University of Burdwan
B.Sc. (Honours) Semester-III Examination (CBCS): 2021
Subject: Nutrition
Course Code: SEC 1 OR
Course Title: Environment Management and Public Health

The figures in the right hand margin indicate full marks

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

Answer all *questions* as instructed

Examinees are instructed to submit the scanned copies / photographs of their answer
scripts within 30 minutes after the completion of examination

F.M.-40

Time: 2hrs

Answer any eight questions of the following:

5×8=40

1. What is asbestosis? Write down the causes and symptoms of asbestosis.
2. How water pollution affects human health? Explain.
3. Append a brief note on chemical and biological control methods of mosquito?
4. What do you mean by Ozone hole? List the effects of climate change on public health.
5. Briefly describe the role of *Bacillus sphaericus* as bio-insecticides.
6. What is Minamata disease? Mention the causes and symptoms of this disease.
7. Write a short note on biology and importance of sand fly.
8. Write the name of causative agent of encephalitis. Discuss its pathogenicity.
9. Describe the fate of toxic substances in the environment.
10. What do you mean by nuclear wastes? Briefly describe the adverse effect of such kind of wastes on environment as well as on human health.
