

The University of Burdwan
B.Sc. (Hons.) Part-III Theory Examination: 2020

Subject: Nutrition

Paper –V

(Food Microbiology, Community Nutrition & Epidemiology)

F.M. – 50

Time: 2 hrs

The figures in the right hand margin indicate full marks

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

Answer all *questions* as instructed

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

1. Answer the following question (Any six):

5×6=30

- a) Briefly describe the importance of sanitation in community and personal health.
- b) Discuss the mode of action of cholera toxin.
- c) Define selective and differential media with one example of each.
- d) Describe the pathogenicity of botulism.
- e) What is bacterial growth and briefly explain about the factors affecting bacterial growth.
- f) Append a short note on the role of microorganisms in the spoilage of meat.
- g) Give a brief account on sewage disposal and treatment.
- h) What is community and how cultural and economical factors affect community health?

2. Answer the following questions (Any two):

10×2=20

- a) What do you mean by epidemiology and briefly describe the methods of descriptive epidemiology.
- b) Define bacterial growth and describe the different factors affecting bacterial growth.
- c) Write a comprehensive note on Shigellosis in terms of symptoms, mode of transmission and methods of prevention
