

THE UNIVERSITY OF BURDWAN
B.Sc. (Hons.) Semester-V Examination (CBCS): 2021
Subject: Nutrition
Course Code: CC - 12
Course Title: Medical Microbiology and Pathology

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

1. Answer any eight questions of the following:

5×8=40

- a) What is lysogeny? Briefly describe lysogeny of lambda phage.
- b) What is an endospore? State the differences between an endospore and vegetative body.
- c) Briefly describe the steps towards pathogenesis of a micro-organism.
- d) Define infection and invasion. Write down the differences between exotoxin and endotoxin.
- e) State the difference between pathogenicity and virulence. What do you mean by nosocomial infection?
- f) Briefly describe the mode of transmission of tuberculosis. What is tuberculin test?
- g) What are the symptoms of AIDS? Write down the preventive measures required to control AIDS transmission.
- h) Write a short note on bacterial cell wall. Mention its important function.
- i) With an example, briefly describe the mode of action of nucleic acid synthesis inhibiting antibiotic
- j) Differentiate between Gram-positive and Gram-negative bacteria with suitable examples.
