

(6 pages)

Reg. No. :

Code No. : 30417 E Sub. Code : ESMI 11/
FSMI 11

B.Sc. (CBCS) DEGREE, EXAMINATION, APRIL 2026.

First Semester

Microbiology

Skill Enhancement Course – SOCIAL AND
PREVENTIVE MEDICINE

(For those who joined in July 2023 onwards)

Time : Three hours

Maximum : 75 marks

PART A — (10 × 1 = 10 marks)

Answer ALL questions.

Choose the correct answer :

1. Who among the following introduced the concept of relationship of environment with human health?
(a) Avicenna (b) Charaka
(c) Hippocrates (d) Paracelsus

2. Who propounded the germ theory of disease?
(a) Leeuwenhoek
(b) Robert Koch
(c) Ambroise Parre
(d) Louis Pasteur
3. Which of the following is considered by demographers as one of the best indicators of the country's level of development and of the overall health status of the population?
(a) Literacy rate (b) Population rate
(c) Life expectancy rate (d) Sex rate
4. What is the primary cause of dengue fever?
(a) Bacteria
(b) Virus
(c) Fungus
(d) Protozoa
5. The term ageism was coined by _____.
(a) Robert Butler
(b) Ignatz Leo Nascher
(c) Louis Pasteur
(d) Robert Koch

6. Pulse rate in new born is _____.
- (a) 120 per minute
(b) 125 per minute
(c) 130 per minute
(d) 135 per minute
7. The property of a test to identify the proportion of truly ill persons in a population who are identified as ill by a screening test _____.
- (a) Sensitivity
(b) Specificity
(c) Positive predictive value
(d) Negative predictive value
8. Models of horizontal transmission of disease except _____.
- (a) Contact (b) Vector
(c) Common vehicle (d) Genetic
9. Who is the father of Ayurveda?
- (a) Charaka
(b) Susrutha
(c) Aagasthiar
(d) Pathanchali

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10. SARS is described as a zoonotic-virus-what does this mean?
- (a) Such viruses are confined to animal
(b) They do not cause disease in human
(c) They emerge from animals to cross the species barrier in frequently
(d) They cause pandemics

PART B — (5 × 5 = 25 marks)

Answer ALL questions, choosing either (a) or (b).
Each answer should not exceed 250 words.

11. (a) Write about history of Social Medicine.
- Or
- (b) What are the social determinants of disease or infections?
12. (a) How is psychology related to health and management?
- Or
- (b) Discuss about the National programmes for prevention of communicable disease.

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13. (a) Why is education and healthcare important to us?

Or

(b) Write about mental health and its types.

14. (a) What are the levels of prevention of a disease?

Or

(b) What is a disease vulnerable population at risk?

15. (a) Is homeopathy and Ayurvedic same? Explain.

Or

(b) Explain about International health regulations.

PART C — (5 × 8 = 40 marks)

Answer ALL questions, choosing either (a) or (b).

Each answer should not exceed 600 words.

16. (a) Illustrate the relationship between quality of life and health.

Or

(b) Explain in detail about the information system in public health.

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17. (a) Explain about the nutrition programs for health management and its objectives.

Or

(b) Justify water and sanitation important in human health.

18. (a) Write about the role of the community in health care.

Or

(b) How you will plan for conducting a school health services?

19. (a) How can early detection of diseases be done?

Or

(b) Describe about monitoring in medicine.

20. (a) Write a detail notes on Ebola virus.

Or

(b) Discuss about infections disease outbreak case studies and precautionary response during SARS out breaks.

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