

# KAMARAJ COLLEGE (Autonomous)

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(Affiliated to Manonmaniam Sundaranar University, Tirunelveli)

(4 Pages)

Reg. No:.....

Question Code: 26E01506

Course Code : 24USMB11

UG Degree - End Semester Examinations, April 2026

First Semester

B.Sc., MICROBIOLOGY

Social and Preventive Medicine

(For those who joined in July 2024 onwards)

Time : 3Hours

Maximum : 75 Marks

## PART - A (10 × 1 = 10 Marks)

Answer ALL Questions

Choose the correct answer :

- CO:1 1. Which of the following is NOT typically considered a social  
K:1 determinant of health?  
(a) Genetic predisposition (b) Income inequality  
(c) Education level (d) Housing conditions
- CO:1 2. Population health is best defined as  
K:1  
(a) The average lifespan of a specific group  
(b) The health outcomes of a group of individuals, including the distribution of such outcomes  
(c) The number of hospitals in a geographical region  
(d) The clinical treatment of a community's sickest patients
- CO:2 3. Which bacterium is used as a primary indicator of faecal  
K:1 contamination in drinking water?  
(a) *Streptococcus* (b) *Salmonella*  
(c) *E. coli* (d) *Lactobacillus*
- CO:2 4. Which of the following is a key disease caused by improper  
K:1 sanitation and unsafe water?  
(a) Malaria (b) Diabetes  
(c) Asthma (d) Cholera

- CO:3 5. What is the primary goal of community health nursing?  
K:2 (a) Treating individual patients (b) Performing surgeries  
(c) Administering medications (d) Promoting and protecting the health of populations
- CO:3 6. A healthful school environment includes  
K:2 (a) Proper sanitation and safe drinking water (b) Overcrowded classrooms  
(c) Lack of playground facilities (d) Poor lighting
- CO:4 7. Which of the following is NOT a step in the risk management  
K:2 process?  
(a) Analyzing risks (b) Identifying risks  
(c) Ignoring risks (d) Monitoring risks
- CO:4 8. In the context of surveillance, data for action means  
K:2 (a) Publishing data in newspapers (b) Using data to implement control measures  
(c) Storing data in a computer (d) Filing reports to the WHO
- CO:5 9. How is the Ebola virus introduced into the human population?  
K:2 (a) Close contact with infected animals (chimpanzees, fruit bats)  
(b) Through mosquito bites  
(c) Contaminated water supply  
(d) Airborne transmission in crowded areas
- CO:5 10. Who is recognized as the founder of Homeopathy?  
K:2 (a) Edward Bach (b) Hippocrates  
(c) Dr. Samuel Hahnemann (d) Louis Pasteur

**PART - B (5 X 5 = 25 Marks)**

**Answer ALL Questions choosing either (a) or (b).**

**Answer should not exceed 250 words.**

CO:1 11. (a) Examine the history of social medicine.

K:4

**(OR)**

(b) Analyze the social determinants of health and disease.

CO:2 12. (a) Organize the nutritional programs for health management.

K:3 (OR)

(b) Identify the psychology in health management.

CO:3 13. (a) Specify the health care of the community.

K:4 (OR)

(b) Examine the importance of school health services.

CO:4 14. (a) Apply the role of preventive medicine in disease management.

K:3

(OR)

(b) Identify the risk assessment in communities and vulnerable population.

CO:5 15. (a) Specify the importance of Ayurveda medicine.

K:4 (OR)

(b) Analyze the naturopathy systems in epidemic and pandemic outbreaks.

**PART - C (5 X 8 = 40 Marks)**

**Answer ALL Questions choosing either (a) or (b).**

**Answer should not exceed 500 words.**

CO:1 16. (a) Discuss the measures of population health.

K:6 (OR)

(b) Elaborate the concepts of health and disease.

CO:2 17. (a) Examine the role of water and sanitation in human health.

K:4 (OR)

(b) Analyse the applications of behavioral sciences.

CO:3 18. (a) Evaluate the role of information, education, communication and training in health.

K:5

(OR)

(b) Explain the health services provided by general practitioners.

CO:4 19. (a) Organize the surveillance, monitoring and reporting of disease outbreaks.

K:3

(OR)

(b) Identify the control measures in community and early detection methods setting.

CO:5 20. (a) Discuss the international health regulations.

K:6

**(OR)**

(b) Elaborate the characteristics of novel SARS-COV2 outbreaks.