

U.G. 4th Semester Examination - 2021

MICROBIOLOGY

[HONOURS]

Skill Enhancement Course (SEC)

Course Code : MB-H-SEC-L-02

(Management of Human Microbial Diseases)

Full Marks : 20

Time : 1 Hour

*The figures in the right-hand margin indicate marks.**Candidates are required to give their answers in their own words as far as practicable.*

1. Answer any **five** of the following : 1×5=5
 - i) Define disease prevalence.
 - ii) What is the portal of entry of pathogen in SARS?
 - iii) What is vaccine?
 - iv) How does soap act as good sanitizer?
 - v) What is co-morbidity?
 - vi) Mention the difference between epidemic and sporadic diseases.
 - vii) What is disinfection?
 - viii) Name two emerging diseases of major concern.
2. Answer any **one** of the following: 5×1=5
 - i) Name two common antiviral drugs. Mention their target sites of action. 2+3

- ii) What is nosocomial infection? How could it be prevented? 1+4
- iii) Name two vector-borne diseases. How are their transmissions prevented at community level? 2+3

3. Answer any **one** of the following: 10×1=10
 - i) What is herd immunity? What is vaccination schedule? What do you mean by the term 'booster dose'? What can a large country like India do in the present circumstances of COVID19 pandemic to reduce infection risk for vulnerable populations? Briefly give your opinion. 2+2+2+4
 - ii) What should be the public health measures against common water-borne diseases? Why is addressing a disease during epidemic very important? What is disease eradication? 5+2½+2½
 - iii) Write short notes on: 2½×4
 - a) DOTS
 - b) Antibiotic stewardship
 - c) VDRL-test
 - d) Antibiotic associated colitis

[Turn Over]