

PE-281
(572) M.Sc. MICROBIOLOGY (SECOND SEMESTER)
Examination JUNE 2022
Compulsory/Optional
Group-
Paper-IV

Name/Title of Paper- ENVIRONMENTAL & AGRICULTURE MICROBIOLOGY

Time: Three Hours

Maximum Marks-080

Minimum Passing Marks-029

नोट: दोनों खण्डों से निर्देशानुसार उत्तर दीजिए। प्रश्नों के अंक उनके दाहिनी ओर अंकित हैं।

Note: Answer From Both the Section as Directed. The Figures in the right-hand margin indicate marks.

Section-A

1- Answer the following question:

2x10=20

- a. Droplet Nuclei Or Bioaerosol
- b. Name causal agent of diphtheria and covid Or HEPA filters
- c. Upwelling Or Zonation of water ecosystem
- d. Eutrophication Or Activated sludge
- e. Phosphate mobilization Or Baculovirus biopesticides
- f. Biosensor Or Xenobiotics
- g. Biocontrol of plant pathogens Or Non-symbiotic microbes
- h. Water borne disease Or Anaerobic digester
- i. Beauveria bassiana Or PSB
- j. Biodegradation Or What is sludge?

Section-B

Answer any four of the following questions

15x4=60

- 2- Describe about solid and liquid pmpingments methods for assessment of air quality.**
- 3- Give an account of air borne diseases and their preventive measures.**
- 4- Explain in detail about bio deterioration of wood and paper.**
- 5- Explain in detail microbiological examination for the assessment of water quality.**
- 6- Write an essay on soil microbes and their role in mineral cycling for mentainance of soil fertility.**
- 7- Explain the production of Bacterial pesticides and their significance.**