

Mid-West University

Examinations Management Office

Birendranagar, Surkhet

End Semester (Alternative/Physical) Examinations -2078

Bachelor level/ B.Sc /6th Semester

Full Marks : 60

Time: 3hrs

Pass Marks : 30

Subject : Microbiology (BOT463)

Candidates are required to give their answer in their own words as far as Practicable. The figures in the margin indicate full marks.

Attempt all the following questions

[6x10=60]

1. a) Mention the reproduction of virus by diagrammatically, list out major points of each steps.
b) Mention any two significances of mycorrhiza.
2. a) Discuss the history and importance of microbiology in different field with the product.
b) Mention any two important features of protozoa and what are the effects of mycotoxin in human beings?
3. Explain the gene of diazotrophs. Mention the importance of single cell protein.

OR

Explain the importance of leghaemoglobin. Give general account of importance of single cell protein.

4. How the stain of penicillin is improved in lab and discuss the product of secondary metabolites with their preparation and features of product.
5. Define spawn. How the spawn is prepare in lab explain briefly.

OR

What is primary metabolites? Describe the procedure, manufacture (fermentation process) of its products and emphasize the importance of these product.

6. a) Explain how the pathogen, pest and weed are controlled by biological method.
b) Give a detail account of transformation process in bacteria with suitable diagram.

THE END