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MBS 506

III Semester M.Sc. Degree Examination, December 2018
MICROBIOLOGY (CBCS-PG-CGPA)
Microbial Biotechnology

Time : 3 Hours

Max. Marks : 70

I. Answer **any three** of the following :

(3×10=30)

- 1) Explain the role of various promoters in recombinant protein production.
- 2) Give a detailed note on probiotics and functional foods.
- 3) Explain the role of microorganisms in production of Biofuel.
- 4) Elaborate on Good Manufacturing Practices and Good Laboratory Practices in Biotechnological research.
- 5) What are monoclonal antibodies ? How are they produced ?

II. Answer **any five** of the following :

(5×5=25)

- 6) Quality Assurance.
- 7) Biogas from liquid waste.
- 8) Microbial production of aromatic amino acids.
- 9) Prokaryotic gene expression.
- 10) National and international patent laws.
- 11) ISO and NIH-RAC.
- 12) Genetically Engineered food.
- 13) Protein Pharmaceuticals.

P.T.O.



III. Write short note on **any five** of the following :

(5×3=15)

- 14) Quality control.
 - 15) Principles of bioprocesses.
 - 16) Vaccines.
 - 17) Bacteriocins.
 - 18) Streptomycin.
 - 19) EPA.
 - 20) cDNA.
 - 21) Copy right.
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