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63/2 (SEM-2) BIT 206E

2022

BIOTECHNOLOGY

(Theory Paper)

Paper : BIT 206E

(Mushroom Technology and Allied Sciences)

Full Marks – 50

Time – Two hours

The figures in the margin indicate full marks
for the questions.

1. Answer the following questions (*all compulsory*):

1×5=5

- (a) Mushroom are rich source of Vit D3 Yes/No
- (b) Pearl are cultivated in Unio Yes/No
- (c) Along with silkworm, mussel and spider
also produce silk protein Yes/No
- (d) The science of Bee keeping is known as
Apiculture Yes/No
- (e) PAN Culture is also popularly known as
Prawn culture. Yes/No

[Turn over

2. Answer the following questions (*all compulsory*) :

2×5=10

- (a) What is the difference between Compost and Substrate ?
- (b) Distinguish between Eri and Muga silk culture.
- (c) Distinguish between Integrated fish farming and Composite fish farming.
- (d) What are the three Important parameters of mushroom cultivation ?
- (e) Describe the potential of gobar gas production.

3. Write short notes on any *five* :

5×5=25

- (a) Plant Tissue culture
- (b) Vermicomposting
- (c) Rose and Orchid Culture
- (d) Hydroponics
- (e) Biotransformation
- (f) Agribusiness
- (g) Innovation
- (h) Entrepreneurship.

4. Answer any *one* of the following questions :

10×1=10

- (a) What is spawn ? Describe the various process of spawn preparation.
- (b) Describe the process of cultivation of Oyster Mushroom/Milky Mushroom.
- (c) Describe the process of rearing silk worm.