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BG—02—2016

FACULTY OF SCIENCE

B.Sc. (BT) (First Semester) EXAMINATION

OCTOBER/NOVEMBER, 2016

(CBCS Course)

BIOTECHNOLOGY

(Introduction to Biotechnology)

(Friday, 18-11-2016)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—40

N.B. :— (i) All questions are compulsory.

(ii) Draw neat diagram wherever necessary.

1. Explain in detail production of biofertilizer with its applications. 8

Or

(a) Explain the method for production of transgenic plants. 4

(b) Give an account on Biopesticide. 4

2. Explain in detail Hybridoma technology with applications. 8

Or

(a) Give an account on concept of stem cells. 4

(b) Give an account on transgenic animal. 4

3. Discuss the role of Biotechnology in dairy industry with example. 8

Or

(a) Give an account on distillery. 4

(b) Give an account on food processing. 4

P.T.O.

4. Explain in detail the production of biodiesel with their applications. 8

Or

- (a) Give an account on Biogas production. 4
- (b) Explain ethical and social impact of Biotechnology. 4
5. Write short notes on (any two) : 8
- (a) PTC
- (b) Ag-Ab interaction
- (c) Enzymes
- (d) Composting.