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BG—09—2016

FACULTY OF SCIENCE

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

OCTOBER/NOVEMBER, 2016

(CBCS Course)

BIOTECHNOLOGY

(Basics of Biosciences)

(Monday, 21-11-2016)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—40

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

(ii) Draw suitable diagrams wherever necessary.

1. Explain in detail the prokaryotic cell. 8

Or

(a) Explain classification upto genus and species level. 4

(b) Draw the diagram showing eukaryotic cells structure. 4

2. Explain structure and functions of flower. 8

Or

(a) Explain structure of ovule. 4

(b) Comment on photoperiodism. 4

3. Explain female reproductive cycle in detail. 8

Or

(a) Describe spermatogenesis. 4

(b) Explain embryo transplantation. 4

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4. Explain ultrastructure of typical fungal cell. 8

Or

(a) Comment on nutritional requirement of fungal cell. 4

(b) Describe vegetative reproduction in fungi. 4

5. Write short notes on (any two) : 8

(a) Vermiculture

(b) Kingdom protista

(c) Androecium

(d) Gestation.

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