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BR—105—2016

FACULTY OF SCIENCE

M.Sc. (Second Year) (Third Semester) EXAMINATION

OCTOBER/NOVEMBER, 2016

(Revised/Old Course)

BIOTECHNOLOGY

Paper BTT-302

(Microbial Biotechnology)

(Friday, 18-11-2016)

Time : 2.00 p.m. to 5.00 p.m.

Time—Three Hours

Maximum Marks—50

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

(ii) All questions carry equal marks.

1. Describe in detail production, recovery and applications of glycerol. 10

Or

Write in brief microbial production of solvents. 10

2. Write a note on production, recovery and application of Riboflavin. 10

Or

Describe production, recovery and applications of L-tryptophan. 10

3. Write a note on dextran in detail. 10

Or

Describe in detail production, recovery and application of penicillin. 10

4. Describe in detail production and applications of pectinases. 10

Or

Write in detail basic concept of microbial transformation. 10

P.T.O.

WT

(2)

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5. Write short notes on any *three* :

10

- (a) Chemotherapeutic agent
- (b) PHB
- (c) Erythromycin
- (d) Hydrolytic reactions
- (e) Sterols.

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