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BR—103—2016

FACULTY OF SCIENCE

M.Sc. (First Year) (First Semester) EXAMINATION

OCTOBER/NOVEMBER, 2016

(CBCS Pattern)

BIOTECHNOLOGY

Paper BT-II

(Microbiology and Virology)

(Friday, 18-11-2016)

Time : 10.00 a.m. to 1.00 noon

Time—Three Hours

Maximum Marks—75

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

(ii) Draw well labelled diagram whenever necessary.

1. Write 'overview of virus replication'. 15

Or

(a) Describe plant virus. 8

(b) Write in detail 'Thermoplasma'. 7

2. Write various factors affecting microbial growth. 15

Or

(a) Describe 'Growth curve'. 8

(b) Explain 'Continuous culture'. 7

3. Write various methods of sterilization. 15

Or

(a) Describe 'Spontaneous Generation'. 8

(b) Write about 'Cyanobacteria'. 7

P.T.O.

WT

(2)

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4. Explain 'Microbial Evolution'.

15

Or

(a) Explain 'Archaea as earliest life forms'.

8

(b) Write about 'Animal Viruses'.

7

5. Write short notes on any *three* :

15

(i) M13

(ii) Cocci

(iii) Pure culture

(iv) Mycoplasma.

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