

BBC-213
B.Sc. VIth Semester (ATKT)
Examination, 2020
Biotechnology
Applied Biotechnology

[Maximum Marks : **Reg.= 85**
Pvt.= 100

16

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250

Note :- All questions from each section carry equal marks. All questions are compulsory and answer limit are approximately 250 words. Start the answer of each section from new page. Maximum limit of pages of answer booklet are approximately 16 pages. Answer should be written by the student in his/her own handwriting mandatory. The first page of answersheet should be download by the student from university website www.bubhopal.ac.in is mandatory.

1. What is plant tissue culture ? Describe oveyary and anther culture and write about importance of tissue culture in agriculture.
2. Write about Tumor formation on plants using *Agrobacterium tumefaciens*.
3. How does energy flow in an ecosystem ? Explain it with suitable diagram and examples.
4. What do you mean by antibiotics ? Describe the production of antibiotics by Bacteria, fungi and actinomycetes. Write their medicinal value.
5. What are DNA probes ? Write their application in diagnosis of genetic disorders.