



RAN - 1903000202030112

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**B.Sc. (Sem. II) Examination**

**March / April - 2019**

**Bioscience**

**202 : Introduction to Microbes**

**Time: 2 Hours ]**

**[ Total Marks: 50**

**સૂચના : / Instructions**

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.  
Fill up strictly the details of signs on your answer book

Name of the Examination:

**B.Sc. (Sem. II)**

Name of the Subject :

**Bioscience 202 : Introduction to Microbes**

Subject Code No.: **1903000202030112**

Seat No.:

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Student's Signature

- (1) Draw neat and labeled diagrams wherever necessary.
- (2) Figures to the right indicate full marks of the question.

**Q. 1 Answer as directed.**

**12**

1. Enlist the types of bacteria according to O<sub>2</sub> requirement.
2. Give any two examples of gram + ve bacteria.
3. What is akinetes and heterocysts?
4. Give any two examples of flagellated protozoa.
5. Enlist the various sexual spores of fungi.
6. Give any two characteristics of prokaryotes.

**Q. 2 Answer any two of the followings.**

**14**

1. Explain in brief characteristics of viruses.
2. Describe in brief types of bacteria.
3. Describe in brief Nostoc and Methanogens.

**Q. 3**      **Answer any two of the followings.**      **14**

1. Write a note on - Oedogonium.
2. Describe in brief Thallus & ultra structure of vegetative cell of fungi.
3. Write a note on reproduction of mucor.

**Q. 4**      **Write short notes on: (Any two)**      **10**

1. Binary fission in Paramecium.
  2. Industrial products of fungi.
  3. Spirogyra.
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