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**RAN-2503000502066004**

**F.Y.B.Sc. (Sem. II) Examination April - 2025**

**Microbiology - Sec. 201**

**Conventional Methods for the Identification of Bacteria**

**Time: 30 Minutes ]**

**[ Total Marks: 13**

**સૂચના : / Instructions**

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નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.

**Fill up strictly the details of signs on your answer book**

Name of the Examination:

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

Name of the Subject :

**Microbiology - Sec. 201 Conventional Methods for the Identification of Bacteria**

Subject Code No.: **2503000502066004**

Seat No.:

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Student's Signature

**Q-I. Attempt the following multiple choice questions (Any Thirteen)**

- Growth of organisms under favourable condition on nutrient medium is known as \_\_\_\_\_.  
A. Development  
B. Cultivation  
C. Isolation  
D. Separation
- Who observed growth of different types of bacteria on slices of decaying potato?  
A. Robert Koch  
B. Schoeter  
C. Joseph Lister  
D. Antony Leeuwenhoek
- Who suggested agar agar as a substitute for gelatin?  
A. Mrs. W. Hesse  
B. Mrs. W. Henry  
C. Mrs. M. Koch  
D. Mrs. M. Lister
- Suspension containing only one type of microorganisms is known as \_\_\_\_\_.  
A. Contamination  
B. Mixed Culture  
C. Pure Culture  
D. Inoculum

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**[ 1 ]**

**[ P.T.O. ]**

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5. Who is credited with developing the enrichment culture technique?
  - A. Sergei Winogradsky
  - B. Martinus Beijerinck
  - C. A & B both
  - D. Alexander Fleming
6. Which types of microorganisms are grown using roll tube technique?
  - A. Aerobic
  - B. Anaerobic
  - C. A & B both
  - D. Facultative Aerobic
7. In the pour plate technique, what is the temperature of molten agar before pouring it into Petri dishes?
  - A. 90-100°C
  - B. 45-50°C
  - C. 25-30°C
  - D. 60-65°C
8. Which natural solid nutrient media used for cultivating microorganisms?
  - A. Slices of potato
  - B. Carrot
  - C. Bread
  - D. All the given
9. Cultures of microorganisms maintained in the laboratory for study and reference are known as \_\_\_\_\_.
  - A. Pure Cultures
  - B. Maintained Culture
  - C. Stock Culture
  - D. Mixed Culture
10. What is the advantage of stab culture technique?
  - A. Acid produced by organisms is diluted in the medium
  - B. Accumulation of waste product enhance the growth of microorganisms
  - C. Base produced by organisms is diluted in the medium
  - D. None of the given
11. By which method motility of organisms is observed?
  - A. Gram Staining
  - B. Pour plate
  - C. Streak plate
  - D. Hanging drop
12. Root like growth on agar slant is known as \_\_\_\_\_.
  - A. Rhizoid
  - B. Effuse
  - C. Beaded
  - D. Filiform
13. Which of the following is one of the largest microbial culture collections in the world?
  - A. ATCC (American Type Culture Collection)
  - B. WHO Reference Center
  - C. International Plant Genetic Resources Institute
  - D. European Biobank Network

