

RAN-2403000503066001

S.Y.B.Sc. (NEP) (Sem. III) Examination March - 2026
Microbiology - MB-SEC- 301 : Microbiological Media

Time: 1 Hour]**[Total Marks: 25**

સૂચના : / Instructions (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fill up strictly the above details on your answer book.	Seat No.: <table border="1"> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table> Student's Signature						

Q.1. Give specific answers (Any 5)**05**

1. a. State the full form of EMB.
- b. Give two examples of media used in fungal cultivation
- c. What is the purpose of fluid thioglycolate medium?
- d. Name any two tests involved in utilization of nitrogenous compounds.
- e. Name the enzyme involved in Indole production.
- f. State the indicator dye present in Simmon citrate slant.

Q.2. Write a short note/ Comment on (Any two) of the following :**10**

- a. Comment on Nutrient agar is considered a general-purpose medium.
- b. Explain how pigment enhancing media like King's agar help in microbial identification,
- c. Explain why Rose Bengal agar is preferred for selective isolation of fungi

Q.3. Answer in Brief on (Any two) of the following :**10**

- a. Explain the principle & importance of Indole test. How is the positive result interpreted
- b. Describe decarboxylation test. Give one example of amino acid used in this test,
- c. Discuss the principle, composition and use of TSI agar.