



RAN-2403001303011001

B. Sc. Biotech (Sem.-III) Examination March - 2026

BT-MJ-301 : Basic of Phytophysiology

Time: 1 Hours]

[Total Marks: 25

સૂચના : / Instructions (1) ઉપરોક્ત દર્શાવેલ વિગતો ઉત્તરવહી પર અવશ્ય લખવી. Fill up strictly the above details on your answer book (2) Figures to the right indicate full marks. (3) Draw neat and labelled diagrams wherever necessary.	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. Define/Answer in short Any Five:** **5**
- What is Triple Response?
 - Give full form of DPD.
 - Which enzyme mainly associated in CAM pathway?
 - Write the water potentiality of Pure water.
 - Who gave the cohesion-tension theory?
 - Which macro-nutrient is constituent of nucleic acid ?
- Q. 2. Attempt Any Two:** **10**
- Explain: PS-I & II
 - Describe: C4 pathway.
 - Write the Regeneration of C3 cycle.
- Q. 3. Attempt Any Two:** **10**
- Describe the role of Ethylene
 - Explain Role & deficiency of Nitrogen and Potassium in plants.
 - Define Ascent of Sap and Write Vital Theories.