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| Name:         |  |
| Enrolment No: |  |

**UNIVERSITY OF PETROLEUM AND ENERGY STUDIES**  
**End Semester Examination, December 2021**

**Course: Remedial Biology**  
**Program: B.Pharm**  
**Course Code: BP106RBT**

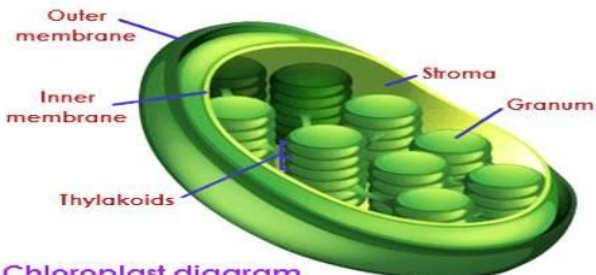
**Semester: 1<sup>st</sup>**  
**Time 1.5 hrs.**  
**Max. Marks: 35**

**SECTION A**

|         |   |           |            |
|---------|---|-----------|------------|
| Sr. No. | Statement of question Long Answers Answer 1 out of 2  | <b>10</b> | <b>CO</b>  |
| Q 1     | Describe various phases of cell cycle and its significance.<br><p style="text-align: center;"><b>OR</b></p> Classify different types of plant tissues with suitable examples. | <b>10</b> | <b>CO5</b> |

**SECTION B**

|        |   |           |            |
|--------|---|-----------|------------|
| S. No. | Statement of question (Answer 5 out of 7) Short Answers       | <b>25</b> |            |
| Q 1    | Give an account on plant kingdom and its classification       | <b>5</b>  | <b>CO1</b> |
| Q 2    | Write various respiratory volumes.                            | <b>5</b>  | <b>CO2</b> |
| Q 3    | Give an outline for mechanism of Urine formation.             | <b>5</b>  | <b>CO3</b> |
| Q 4    | Describe in brief macro-micro nutrients for the plant growth. | <b>5</b>  | <b>CO4</b> |
| Q 5    | Write the important growth promoting factors for plants       | <b>5</b>  | <b>CO5</b> |

|     |  |            |            |
|-----|--|------------|------------|
| Q 6 | <div style="text-align: center;">  <p style="color: purple; text-align: center;"><b>Chloroplast diagram</b></p> <ol style="list-style-type: none"> <li>1. Identify the site for light and dark reaction</li> <li>2. State the energy utilization in dark reaction</li> </ol> </div> | <b>2+3</b> | <b>CO4</b> |
|-----|--|------------|------------|

|     |   |            |            |
|-----|---|------------|------------|
| Q 7 | What is transpiration? Mention the factors, affecting the process | <b>1+4</b> | <b>CO2</b> |
|-----|---|------------|------------|