

|   |   |  |     |       |
|---|---|--|-----|-------|
| Name. _____   |   | Printed Pages:01                             |     |       |
| Student Admn. No.: _____  |   |  |     |       |
| <b>School of Allied Health Sciences</b><br><b>Summer Term Examination – July - August 2024</b><br><b>[Programme: Bachelor of Physiotherapy] [Semester: SEM I ]</b><br><b>[Batch: 2022-2026]</b> |   |  |     |       |
| <b>Course Title: Human Physiology -I</b><br><br><b>Course Code: L1UB102T/BHPT1002</b>   |   | <b>Max Marks: 100</b><br><b>Time: 3 Hrs.</b> |     |       |
| <b>Instructions:</b>  | 1. All questions are compulsory.<br>2. Assume missing data suitably, if any.  |  |     |       |
|   |   | K<br>Level                                   | COs | Marks |
| <b>SECTION-A (15 Marks)</b>   |   | <b>5 Marks each</b>                          |     |       |
| <b>1.</b>   | Define the primary component of blood.  | K1   | CO1 | 5     |
| <b>2.</b>   | What are the major functions of plasma in the body.                           | K1   | CO1 | 5     |
| <b>3.</b>   | Illustrate white blood cells (WBCs) based on their morphology.                | K2   | CO2 | 5     |
| <b>SECTION-B (40 Marks)</b>   |   | <b>10 Marks each</b>                         |     |       |
| <b>4.</b>   | Identify the variations in red blood cell (RBC) count and their significance. | K3   | CO2 | 10    |
| <b>5.</b>   | Identify the common disorders associated with blood coagulation.              | K3   | CO3 | 10    |
| <b>6.</b>   | Identify the process of chest expansion and its significance in respiration.  | K3   | CO3 | 10    |
| <b>7.</b>   | What is lung compliance and discuss its importance with normal value?         | K1   | CO1 | 10    |
| <b>SECTION-C (45 Marks)</b>   |   | <b>15 Marks each</b>                         |     |       |
| <b>8.</b>   | Elaborate shock and classify it based on causes and features.                 | K6   | CO4 | 15    |
| <b>9.</b>   | Elaborate the factors that affect the oxygen-hemoglobin dissociation curve.   | K6   | CO4 | 15    |
| <b>10</b>   | Elaborate the concept of Erythroblastosis fetalis and its implications.       | K6   | CO2 | 15    |