

M. Sc. 2nd Semester Examination, 2025

HUMAN PHYSIOLOGY

*(Community Health : Exercise Physiology and
Mass Fitness)*

PAPER – PHY-203

Full Marks : 25

Time : 1 hour

Answer all questions

The figures in the right hand margin indicate marks

*Candidates are required to give their answers in
their own words as far as practicable*

GROUP—A

Answer any two questions of the following :

1. What is meant by lean body weight ? 2 × 2
2

(Turn Over)

2. What is range of motion (ROM) ? 2
3. Why silicosis patients are more susceptible to tuberculosis ? 2
4. What is meant by isokinetic exercise ? Give example. 1 + 1

GROUP-B

Answer any two questions of the following :

5. What are the sources of fire in work places ?
How fire hazards can be reduced in work places ?
4 × 2
2 + 2
6. How is body fluid balance maintained during exercise in hot condition ? What is hyponatremia ?
3 + 1
7. Explain "design for extreme individual" and "design for adjustable range".
2 + 2

(3)

8. How do “workload demand” and “task complexity” influence occupational stress ?
2 + 2

GROUP – C

Answer any one question of the following :

9. Discuss the clinical features and exercise prescription of Parkinson’s disease and stroke. 8 × 1
4 + 4
10. Describe the general adaptation syndrome (GAS) with the help of a diagram. Describe different health problems due to transmission of Hand Arm Vibrations (HAVs) 3 + 5

[Internal Assessment – 05 Marks]

