Attempt any five:

1.



UNIVERSITY OF NORTH BENGAL

B.Sc. Honours 6th Semester Examination, 2022

DSE-P3-PHYSIOLOGY

Time Allotted: 2 Hours Full Marks: 40

The figures in the margin indicate full marks.

 $1 \times 5 = 5$

GROUP-A

	(a)	Define graded exercise.	
	(b)	What is dynamic work?	
	(c)	What do you mean by oxygen deficit?	
	(d)	Why "warm-up" is important before exercise?	
	(e)	What is the difference between physical therapy and exercise science?	
	(f)	What factor might influence ventilation threshold during incremental exercise?	
	(g)	What is fitness?	
	(h)	Explain why exercise is an example of both kinetic and potential energy.	
	(i)	Give one example of aerobic exercise.	
	(j)	What ATP production mechanism is used during maximal activities?	
		GROUP-B	
		Attempt any three	$5 \times 3 = 15$
2.		Describe the importance of aerobic respiration in cell.	5
3.		Mention different circulatory adjustments during exercise.	5
4.		What are the benefits of physical activity?	5
5.		Discuss different types of O ₂ debt.	5
6.		How does endurance training affect EPOC?	5

UG/CBCS/B.Sc./Hons./6th Sem./Physiology/PSIODSE3/2022

GROUP-C

Attempt any two

 $10 \times 2 = 20$

7. Critically discuss different energy sources during graded exercise.

8. Write short notes on –

 $2\frac{1}{2} \times 4 = 10$

- (a) Aerobic Power
- (b) Work load
- (c) Silicosis
- (d) Nutritional supplement.

9. Write short notes on –

5+5=10

- (a) Ergogenic Aid
- (b) Types of training for Anaerobic Power.
- 10. Discuss the role of ergonomics to avoid accidents and hazards. Write a note on 4+3+3=10 static anthropometry. Mention the effect of rest on productivity.

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