2019

MSc

2nd Semester Examination

HUMAN PHYSIOLOGY

PAPER - PHY - 202

Full Marks: 40

Time: 2 Hours

The figures in the right-hand margin indicate full marks.

Candidates are required to give their answers in their

Own words as far as practicable.

Illustrate the answers wherever necessary.

Unit - 202.1

1. Answer any TWO questions from the following : 2	×2
a) Define 'eustress' and 'distress'.	
b) What do you mean by ABC strategy?	
c) What do you mean by general and individual ergonomics?	
d) Write briefly on Fastlek training?	
2. Answer any TWO questions from the following:	×4
a) Discuss the physiological principles of physical training.	4
b) Write a brief note on high altitude pulmonary oedema.	4
c) State the physiological response to exercise in hot environment. What is heat cramp?	3+1
d) What are the types of asbestos fibers? Classify silicosis according to the severity of the disease?	2+2
3. Answer any ONE question of the following:	1×8
a) i) What is COPD? ii) Write symptoms of chronic bronchitis. iii) State the general recommendation for exercise prescription for diseases. b) i) Explain fine levels of the levels.	pulmonary 1+2+5
 b) i) Explain five levels of body composition. ii) Write bioelectric impedance method for determining body com iii) What is range of motion? 	position. 3+4+1

(Continued)

C/19/MSc/2/SEM/PHY-202/2

Unit - 202.2

1.	Α	answer any TWO questions from the following:	(2×2)
	а) Mention briefly the genetic and non – genetic etiology of obesity	<i>!</i> .	(1+1)
	b) State the etiology of protein energy malnutrition		(2)
	c)	Mention the objectives and beneficiaries of mid – day meal.		(1+1)
	d,	Name the antioxidants that are required for elderly.		(2)
2.	Α	nswer any TWO questions from the following:		(2×4)
	a)	Discuss briefly the management of obesity. What are adipocyte factors? State the advantages and disadvanta Bariatric surgery.		of (2+1+2)
	b)	What is PEM? Describe the signs and symptoms of marasmus.		(2+2)
	c)	Discuss the causes and management of anemia in elderly. What is meant by pathological aging?		(2+2)
	d)	Mention two significant changes brought in Vitamin A prophylaxis introduced in 1970	pro	gram

3. Answer any ONE question from the following:

- a) "The basal metabolic rate in old people is significantly reduced"—justify.
 State the changes in muscular strength with aging. (2+2+2+2)
 Discuss the endocrinological changes in post menopausal women that may lead to osteoporosis. What are the impacts of Special Nutrition Programme?
- b) Discuss dietary management of kwashiorkar. Write briefly on the medicinal therapeutic management of marasmus. (3 + 5)