

2022

HUMAN PHYSIOLOGY

[P.G.]

(M.Sc. Second Semester End Examination-2022)

PAPER- PHY204 (CBCS)

Full Marks: 40

Time: 02 Hrs

The figures in the right hand margin indicate marks

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

Illustrate the answers wherever necessary

UNIT – 1 Marks 20

[LIFE STYLE AND HEALTH]

Group A

Answer any two questions from the following: 2x2= 4

1. What do you mean by vector and virulence factor for communicable disease? 2
2. Outline the Coronary circulatory pathway for human heart. 2
3. What are various determinants of health? 2
4. Define epidemiological triad. 2

Group B

Answer any two questions from the following: 2x4 = 8

5. Define Malignancy. How UV ray can cause skin cancer? 1+3

(2)

6. Mention how tuberculosis is related to life style of an individual.
Write a short note on diabetes mellitus. 2+2
7. What are the lifestyle modifications? What is obesity? What conditions are found to be associated with obesity? 1+1+2
8. Write the role of energy and proteins for growth and development. 4

Group C

Answer any one question of the following: 1x8 = 8

9. Explain the concept of malnutrition. Discuss about the germ theory of disease. 3+5
10. What do you mean by immune deficiency? Write down the life cycle of malarial parasite. 2+6

UNIT – 2 Marks 20

**[IMPORTANCE OF HEALTH EDUCATION AND
ITS PROMOTION]**

Group A

Answer any two questions from the following: 2x2= 4

1. Define cosmetic fitness. How can you estimate the maximum heart rate (MHR)? 1+1
2. What do you mean by Hand-Arm Vibration Syndrome (HAVS)? 2
3. What is anthracosis? 2
4. Write two effects of high intensity exercise. 2

(3)

Group B

Answer any two questions from the following: 2x4 = 8

5. What are common musculoskeletal disorder Explain its various types? 3+1
6. Explain the cardio respiratory endurance. Describe the term 'mass fortification'. 4
7. What are different types of occupational health hazards? Define the term 'Silicosis'. 3+1
8. What is the role of yoga for the management of stress? 4

Group C

Answer any one question of the following: 1x8 = 8

9. Explain how the muscle function changes with age? Write two benefits of aerobic training for older adults. 6+2
10. Explain about the 'National Nutrition Policy' adopted by Government of India. Define the term 'food fortification'. 7+1
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