

2023**2nd Semester Examination****HUMAN PHYSIOLOGY****Paper – PHY-204 (CBCS)****(Old Syllabus)***Full Marks: 50**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.

Paper – PHY-204.1**Group – A**

Answer any two questions

2 x 2

- | | | |
|---|---|---|
| 1 | Write the determinants of physical health | 2 |
| 2 | Define malnutrition according to World Health Organisation (WHO). | 2 |
| 3 | Write down the characteristics of non-communicable diseases. | 2 |
| 4 | State the principle of healthy community design. | 2 |

Group – B

Answer any two questions

- | | | |
|---|--|-------|
| | | 2 x 4 |
| 5 | Briefly mention the role of environmental factors influencing the life style diseases. Write down the merits of active style management | 1 + 3 |
| 6 | State critically the role of physical activity pyramid as a part of physical education. What do you mean by cognitive development of children? | 3 + 1 |
| 7 | Describe with example the relationship in between agent, environment and host for diseases development in epidemiological triad. | 4 |
| 8 | What is incubation period of diseases? Write down the metabolic risk factors of NCDS | 1 + 3 |

Group - C

Answer any one question

- | | | |
|----|---|---------------------------|
| | | 1 X 8 |
| 9 | What do you mean by vertical and catrogenic transmission? Mention the two names of agents responsible for communicable diseases. Describe the transmission modes of that communicable diseases. Mention the causes of hypertension. | (1 + 1)
+ 2 + 3
+ 1 |
| 10 | Describe the cellular mechanism of development of AIDS. With a suitable schematic diagram sate the preventive measures of AIDS. What are angiogenesis and metastasis? Mention the risk factors of cancer development. | 3 + 2
+(1+1)
+ 1 |

Paper – PHY-204.2**Group – A**

Answer any two questions

2 x 2

- | | | |
|---|---|---|
| 1 | Mention the influence of yoga on stress. | 2 |
| 2 | Write down the risk factors of blood pressure development | 2 |
| 3 | How pulse rate is related to physical fitness ? | 2 |
| 4 | State the nature of balance diet with example | 2 |

Group – B

Answer any two questions

2 x 4

- | | | |
|---|---|-------|
| 5 | Discuss in brief the merits and demerits of food fortification.
What do you mean by market driven fortification? | 3 + 1 |
| 6 | How does yoga responsible for hand grip strength? “Yoga is good for blood circulation”-Justify the statement. | 2 + 2 |
| 7 | Discuss the one method for assessment of physical fitness. | 4 |
| 8 | What is accident? Write down the principles of accident prevention. | 1 + 3 |

Group - C

Answer any one question

1 X 8

- | | | |
|----|--|---------------------------|
| 9 | Describe the neural control mechanism of blood pressure.
Mention five foods responsible for blood pressure development. State the preventive measures of hypertension | 4 + 2 +
2 |
| 10 | What do you understand by occupational health hazards?
What is pneumoconiosis? Describe the reasons and preventive measures of it. Write down the sign and symptoms of silicosis. | 1 + 1 +
(2 + 2)
+ 2 |

[Internal Assessment – 10 Marks]