

Human Physiology(P.G.)

[CBCS]

M.Sc. Second Semester End Examination-2024

(Regular & Supplementary Paper)

PAPER- PHY-204 (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.

(Use separate answer script for each unit)

Unit – 1

[Marks – 20]

[Life style and Health]

1. Answer any two questions of the following: 2x2=4

- a. What are lifestyle associated health problems?
- b. Why is zinc supplementation required for the treatment of diarrhea?
- c. State the biomedical concept of health.
- d. What are food additives? Give example.

2. Answer any two questions of the following: 2x4= 8

- a. What are communicable diseases? Discuss about the mode of transmission of communicable disease. 1+3
- b. Define obesity. What conditions are associated with obesity? 1+3

(2)

- c. Write down the prevention strategies and treatment approaches of kala azar. 2+2
- d. State the difference between drug addiction and abuse. 1+3
- 3. Answer any one question of the following: 1x8=8**
- a. Write down the cause symptoms, treatment and preventive measures of malaria. 2+2+2+2
- b. What is meant by malnutrition? Explain the role of essential nutrients in maintaining the health. 2+6

Unit – 2
[Marks – 20]

[Importance of Health Education and its Promotion]

- 1. Answer any two questions of the following: 2x2=4**
- a. Mention two major risk factors associated with coronary heart disease.
- b. What are the age related cardio respiratory limitation to exercise in the elderly population?
- c. What is physical fitness? State the major age related changes observed in cartilage.
- d. If a person age is 30 years then what will be the maximum heart rate of the person during maximal exercise?
- 2. Answer any two questions of the following: 2x4= 8**
- a. What are the major principles of mid day meal programme (MDMP)?

(3)

- b. Discuss the role of yoga in stress management.
- c. What is weaning? Mention the factor that affect meal planning for the infants. 1+3
- d. What do you understand by muscular strength and muscular endurance? Mention some exercise used to measure the above mentioned parameters.
- 3. Answer any one question of the following: 1x8=8**
- a. Draw the force velocity curve for young and older adults. Discuss how prolonged exercise induce oxidative damage in skeletal muscle. What is CRE? 3+4+1
- b. What is the relation between mean arterial pressure and pulse pressure? Briefly discuss the auscultatory method of blood pressure measurement 3+5
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