

(4)

7. Write a note on the free radical theory of aging. 4

8. How can an outbreak be detected? 4

GROUP—C

Answer *any one* question : 8×1=8

9. Mention the difference between a low fibre and a low residue diet. Discuss the role of nutrition personnel in diet therapy. State the principle of injury prevention. Describe some warm up techniques. 2+2+2+2

10. Define and classify hypertension. Describe the important norms for prevention and control of malaria. (1+2)+(2+3)

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2024

M.Sc. 2nd Semester Examination

HUMAN PHYSIOLOGY

PAPER : PHY-204(CBCS)

Full Marks : 40

Time : 2 hours

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.

SECTION—A

PAPER : PHY-204.1

(Life Style and Health)

GROUP—A

Answer *any two* questions : 2×2=4

1. Mention the characteristic features of Non-Communicable Diseases (NCD). 2

2. What are the peculiarities of infectious disease? Give examples. 1+1

(2)

3. Mention the major food components responsible for immunity development. 2
4. What is a disease reservoir? Give example. 1+1

GROUP—B

Answer *any two* questions : 4×2=8

5. Discuss the mode of transmission of communicable diseases through 'fecal-oral transmission' and 'droplet contact'. 2+2
6. Write down the modifiable and nonmodifiable risk factors of cardiovascular diseases. 2+2
7. Define and classify malnutrition. Write briefly on the causes of malnutrition. 1+1+2
8. Discuss briefly on the factors affecting psychosocial health. 4

GROUP—C

Answer *any one* question : 8×1=8

9. State the altered metabolism of carbohydrate and protein in type-II diabetes mellitus. What is gestational diabetes? Describe the process of clinical assessment of malnutrition. (2+2)+1+3

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(Continued)

(3)

10. With a schematical diagram, briefly describe 'epidemiological triad'. Differentiate between epidemic and endemic. Mention the differences between isolation and quarantine. 3+3+2

SECTION-B

PAPER : PHY-204.2

(Importance of Health Education and its promotion)

GROUP—A

Answer *any two* questions : 2×2=4

1. What are the differences between fortification and supplementation?
2. Mention the factors affecting blood pressure.
3. Name two diseases of epidemic potential under emergency situation.
4. Describe any two effects of 'warm up' on human body.

GROUP—B

Answer *any two* questions : 2×4=8

5. Write a short note on Repetitive motion injury. 4
6. With a suitable labeled diagram, describe the histological features of blood vessels. 2+2

/975

(Turn Over)