

2009**M.Sc.****2nd Semester Examination****HUMAN PHYSIOLOGY****PAPER—VII**

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.

Write the answers to the questions of each Unit in separate books.

UNIT—13Answer any *two* questions.

1. (a) What are tumor suppressor genes and oncogenes ?
(b) Discuss in brief the cellular locations and functioning of known classes of protooncogenes.
(2½+2½)+5
2. (a) Discuss the 'notable improvements' that India has made in her 'health situation' in the last few decades.
(b) Write on the epidemiology of "Burden of Disease" in India and what does it indicate in the global perspective ?
6+4
3. Discuss how parent-child relationship can influence the mental health of a child.
10

4. (a) What do you mean by self-care in health?
(b) How a community can participate in health care?
(c) Describe the life-cycle of malaria-parasite.

4+2+4

UNIT—14

Answer any two questions.

1. Discuss the following direct nutritional intervention programmes of Government of India in recent years to assist the vulnerable group —
- (i) ICDS
(ii) Mid day meal. 6+4
2. (a) Discuss a method for the assessment of obesity.
(b) Mention the factors for the development of obesity.
(c) What are the difficulties for the management of obesity? 4+4+2
3. (a) Mention the changes in the functioning of the brain during old age.
(b) Discuss the different theories to explain the physiological process of aging. 3+7
4. (a) Discuss the influence of malnutrition on chemical changes and output of milk in lactating mother.
(b) State the advantages of human milk over cow's milk. 6+4
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