

015/23

**The West Bengal University of Health Sciences**  
**MBBS 3rd Professional Part-I Examination (New Regulation)**  
**April -May 2023**

**Subject : Community Medicine**  
**Paper : II**

**Full Marks : 100**  
**Time : 3 hours**

*Attempt all questions. The figures in the margin indicate full marks*

1. a) A 5 year old boy is taken to Pediatric OPD. His mother tells that he cannot see properly in dim light during night. On examination, triangular pearly white foamy spots were found on bulbar conjunctiva of both the eyes. 1+5+3+2+4
  - i) Which micronutrient deficiency is responsible for above condition?
  - ii) Describe the symptoms and signs of that micronutrient deficiency.
  - iii) How the boy can be treated?
  - iv) What are the dietary sources of that micronutrient?
  - v) Briefly describe the National Health Program related to this health problem.
  
- b) Define disaster. What are the common disasters faced by the people of India? Name one natural and one manmade disaster in recent past. As a BMOH of a BPHC located near a coastal area, what preparedness should you have to manage disaster? 2+5+2+6
  
2. a) Describe various modern contraceptive methods approved for use in India. What is 'Cafeteria choice'? How the contraceptive services is delivered to the community in a rural area? 6+2+2
- b) Enumerate various laws/acts protecting health of the workers in India. Describe the medical benefits and their modes of provision to the beneficiary under ESI act. 4+6
- c) Define primary health care. Enlist the elements of primary health care. Describe the principles of primary health care. 2+3+5
  
3. Write short notes on the following: 2 x 5
  - a) International health regulations.
  - b) Food fortification.
  
4. Explain the following statements: 5 x 4
  - a) Home based newborn care is an essential intervention for prevention of neonatal deaths.
  - b) Crowd and mob are different.
  - c) Mental health services are coming forefront.
  - d) Priority is a prerequisite of planning.
  - e) Prospective genetic counseling is more rewarding.

**P.T.O**

5. Choose the correct option for each of the following:

10x1

- i) False about objective is:
- a) It is specific
  - b) It is measurable
  - ☒ c) May not be achieved
  - d) It is realistic
- ii) All are true about juvenile Delinquency Except:
- a) Juvenile is a boy who has not attained age of 16 years
  - b) Juvenile is a girl who has not attained age of 18 years
  - ☒ c) Delinquency simply means 'Juvenile crime'
  - d) It embraces all deviations from normal youthful behaviors
- iii) Bhopal Gas Tragedy in India occurred in:
- a) 1983
  - ☒ b) 1984
  - c) 1985
  - d) 1986
- iv) All are true about growth monitoring in India except
- a) AWWs are responsible for growth monitoring in AWC.
  - b) ICDS growth chart is based on new WHO growth chart.
  - c) ICDS growth chart is designed separately for boys and girl.
  - ☒ d) Weight falls on and / or above (-) 3Z score indicates normal.
- v) Which of the following is also called 'interval sampling'
- a) Simple random sampling
  - ☒ b) Systematic random sampling
  - c) Stratified random sampling
  - d) Snowball sampling
- vi) Anemia is a common health problem among adolescent girls. What is the dose and regimen of iron and folic acid prophylaxis for adolescents according to national program?
- a) 100 mg elemental iron + 500 mcg folic acid daily.
  - b) 100 mg elemental iron + 500 mcg folic acid weekly.
  - c) 60 mg elemental iron + 500 mcg folic acid daily.
  - ☒ d) 60 mg elemental iron + 500 mcg folic acid weekly.
- vii) Panel discussion can be defined as:
- a) Series of speeches.
  - ☒ b) Discussion by 4 to 8 qualified persons.
  - c) Groups describing individual experience.
  - ☒ d) Stage wise formatted teaching.
- viii) The midyear population of a village was 3000 in the year 2021. There were 120 live births and 30 infant deaths during the year. What was the infant mortality rate of the village in the same year?
- a) 90
  - ☒ b) 250
  - c) 750
  - d) 900
- ix) What is 'Social pathology'?
- a) Change in disease pattern due to change in life style.
  - b) Study of social problems which cause disease in population.
  - c) Conflicts arising from new opportunities in transitional societies.
  - d) Study of human relationships and behavior.
- x) The name of Henry Dunant is known for establishment of
- a) International Red Cross society.
  - b) United nations development program.
  - c) Food and Agriculture Organization.
  - d) United states agency for International development.

$$IMR = \frac{30}{1200} \times 1000$$