



Name : .....

Roll No. : .....

Invigilator's Signature : .....

**CS/HM/SEM-4/BHM-401/2010**

**2010**

**EPIDEMIOLOGY & ANALYSIS OF HEALTH  
INFORMATION DATA**

Time Allotted : 3 Hours

Full Marks : 70

*The figures in the margin indicate full marks.*

*Candidates are required to give their answers in their own words  
as far as practicable.*

**GROUP – A**

**( Multiple Choice Type Questions )**

1. Choose the correct alternatives for any *ten* of the following :

10 × 1 = 10

- i) MDT stands for :
  - a) Measles, Diphtheria and Tetanus
  - b) Mumps, Diphtheria and Tetanus
  - c) Multiple Drug Therapy
  - d) Minimum Does Treatment.
- ii) Rheumatic heart disease is typically a disease of
  - a) infancy and childhood
  - b) childhood and adolescent
  - c) young adults
  - d) old age.





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- ix) The expelled droplets during coughing, sneezing, speaking and spitting may
- a) directly be transmitted to a person at a distance of 30-60 cm and infect him
  - b) become “droplet-nuclei” and remain airborne for long and infect a person later
  - c) settle down by weight and become part of “dust” to become airborne again and infect a person
  - d) only (a) and (b)
  - e) all of these.
- x) Which one is not a contraindication of live vaccine ?
- a) Leukemia
  - b) Pregnancy
  - c) Childhood
  - d) AIDS.
- xi) Incubation period of Influenza is
- a) 2 – 3 days
  - b) 4 – 5 days
  - c) 1 – 3 days
  - d) None of these.

**GROUP – B**

**( Short Answer Type Questions )**

Write short notes on any *three* of the following.

3 × 5 = 15

- 2. Incidence and Prevalence
- 3. Rehabilitation.
- 4. Elimination and eradication of diseases.
- 5. Cold chain.
- 6. Herd immunity .

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**GROUP – C**

**( Long Answer Type Questions )**

Answer any *three* of the following.  $3 \times 15 = 45$

7. What is a communicable disease ? Describe the ways of control of communicable disease along the chain transmission.
8. What do you mean by stroke and health problems related to stroke ? Describe the natural history, risk factors and control of stroke through primary prevention.
9. Describe the Cohort study – meaning and types, indications, framework, elements ( steps ) and analysis.
10. What are the preventive measures of influenza ? Describe the process flow of an investigation of an epidemic. What is immunization ?
11. What is Rehabilitation ? What are the levels of prevention ? Describe the surveillance of Leprosy.

