

Name :

Roll No. :

Invigilator's Signature :

**CS/HM/SEM-4/BHM-401/2012
2012**

**EPIDEMIOLOGY & ANALYSIS OF HEATH
INFORMATION DATA**

Time Allotted : 3 Hours

Full Marks : 70

The figures in the margin indicate full marks.

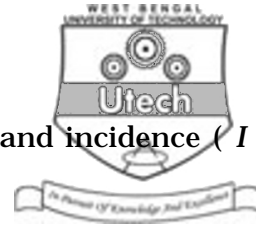
*Candidates are required to give their answers in their own words
as far as practicable.*

**GROUP - A
(Multiple Choice Type Questions)**

1. Choose the correct alternatives for the following :

10 × 1 = 10

- i) Epidemiology can be defined as the study of
- a) the etiology of disease in human
 - b) the frequency of causes of death in human
 - c) the determinants of frequency of disease in human
 - d) the distribution and disease frequency in human.



- ii) The relation between prevalence (P) and incidence (I) is
- a) $P = ID$ b) $D = I \times P$
c) $P = I \times D$ d) none of these.
- iii) The name of the microfilarial agent that causes Filariasis is
- a) *Wuchereria bancrofti*
b) *Plasmodium vivax*
c) *Thermoactinomyces sachhari*
d) *Micropolysporo faeni*.
- iv) A method for identifying the missing cases is known as
- a) active surveillance b) passive surveillance
c) sentinel surveillance d) none of these.
- v) The most abundant of the five classes of immunoglobulin is
- a) IgM b) IgG
c) IgD d) IgA.
- vi) The time interval between invasion of an infectious agent and appearance of first sign of disease is called
- a) Latent period b) Communicable period
c) Incubation period d) None of these.



vii) The occurrence of a group of illness of similar nature at a rate above the expected number is called

- a) Epidemic
- b) Endemic
- c) Pandemic
- d) Hyperendemic.

viii) Which of the following diseases do not spread by droplet infection ?

- a) Cholera
- b) Common cold
- c) Diphtheria
- d) Whooping cough.

ix) Quarantine is

- a) limitation of movement of sick person and animals
- b) limitation of movement of well persons and animals
- c) limitation of movement of diseased persons
- d) none of these.

x) Infant is

- a) less than one year of age
- b) less than two years of age
- c) less than three years of age
- d) none of these.

CS/HM/SEM-4/BHM-401/2012



GROUP - B

(Short Answer Type Questions)

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

3 × 5 = 15

2. Surveillance
3. Epidemiological triad
4. Cohort study
5. Combined vaccine
6. Disease spectrum.

GROUP - C

(Long Answer Type Questions)

Answer any *three* of the following. 3 × 15 = 45

7. What is the causative agent of Tetanus ? Describe the signs and symptoms of tetanus. What are the preventive & control measures for tetanus ?
8. What is Rheumatic heart disease ? State the epidemiological factors. What are the measures of prevention you can take ?
9. Define "cold life". Discuss any five types of cold chain equipment which are used today.
10. Describe natural history of disease.
11. Describe modes of intervention of disease.

