

RUHS

Third Year MBBS Examination

III MBBS Community Medicine Paper I

Time: 3 hours Max Marks: 60

Date: 06-06-2019

INSTRUCTIONS: Attempt all questions in both sections: (Use separate answer book for each section)

Section 1

1. Define epidemic. Briefly describe the steps in the investigation of an epidemic of fever with rash (10)

2. Write short note on. (10)

a) Normal curve (A.886)

b) Classify the types of epidemics

c) Uses of spot maps

d) Draw a histogram using any

examples

3. Describe briefly:

(10)

- a) Active and passive immunity (A.107)
- b) Routes of disease transmission
- c) Role of environment in the epidemiological triad
- d) Cold chain (A.114)

4. Attempt within 20-25 words

(10)

- a) Demographic transition
 - b) Sex ratio at birth (A.517)
 - c) Sentinel surveillance (A.45)
 - d) National Vector Disease control program
 - e) Screening for disease (A.405)
 - f) Quarantine
 - g) Nosocomial infection (A.377)
 - h) Secondary attack rate. (A.105)
 - i) Tertiary prevention of disease
 - j) Relation between incidence, prevalence and time
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Section 2

5. Enumerate 5 disease that are spread by fomites. Describe the epidemiology and its preventive measure (10)

6. Describe briefly: (10)

- a) Health hazard in the paper industries
- b) Swatch Bharat Abhiyan
- c) Methods of testing chlorine in water
- d) "Don not freeze" vaccines

7. Short notes on: (10)

- a) Pillars of bioethics
- b) DOTS Plus (A.198)
- c) "stigma" associated mental illness
- d) Adverse events following immunization

8. Attempt within 20-25 words: (10)

- ~~a) Alma atta declaration~~

- b) Carrier state
- c) Case control study
- d) Insecticide treated bed nets
- e) Personal protective equipments
- f) Rain water harvesting
- g) Incidence
- h) Sensitivity (A. 149)
- i) MDR-TB
- j) Cohort Study (A.80)