RUHS
Third Year MBBS Examination
III MBBS Community Medicine Paper I
Time: 3 hours Max Marks: 60
Date: 09-11-2020

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

Section 1

1. Define epidemiology, Describe stepwise how you will investigate an epidemic of Swine flu in urban slum of Rajasthan.

2. Write as required below: 4 x 2½ =   (10) 10

a) Compare and contrast: (10) Attributable risk and relative risk. (A.83)

b) Compare and contrast: Observational study and interventional study

c) Compare and contrast: Sentinel surveillance and routine surveillance. (A.45)

d) PQLI (A.17)

3. Describe briefly: 4 x 2½ = 10

a) Write down the differences (10) between screening test & diagnostic test.

b) Advantages and disadvantages of cohort study.

c) Ice berg phenomenon. (A. 37)

d) Secondary attack rate. (A.105)

4. Attempts within 20-25 words: 10 x 1 = 10

a) Herd immunity (A.107) (10)

b) Disinfection(A.136)

c) Primary case and index case

d) Rates and ratio

e) Enumerates modes of interventions in relation to the natural history of disease.

f) Primordial prevention (A.45)

g) AEFI

h) Active and passive immunity (A.107)

i) "Healthy carrier"

j) Define Nosocomial infection

Section 2

5. Enumerate the indicator of Air pollution. Describe the effect of Air pollution & its prevention And control. (A.775)

6. Described briefly: 4 x 2½ = 10   (10)

a) Pre placement and periodical   (10) examination in prevention of occupational disease. (A.850)

b) Occupational hazards of health care workers. (A.789)

c) Role of human factors in Road traffic accidents(A.522)

d) Classify the water borne diseases(A.

747)

7. Write in short: 4 x 2½ = 10

a) Housing and health.   (10)

b) Preventive measures for life style related diseases(A.382).

c) Preventive measures for vector borne diseases.

d) Obesity and its prevention.

8. Attempts within 20-25 words: 10 x 1 = 10

a) Sickness obsentism. (A.847)   (10)

b) Ergonomics. (A.840)

c) What is randomized control trial?

d) Super chlorination. (A. 752)

e) Enumerate disease transmitted by hard tick.

f) Pneumoconiosis & tuberculosis.

g) Population based cancer registry and its objectives.

h) Enumerate dose schedule of intra dermal rabies vaccine in human.

(A.296,297)

i) Notifiable diseases.

j) Lists any four Human factors in accidents.