

RUHS
Third Year MBBS
Examination
III MBBS Community
Medicine Paper I
Time: 3 hours

Date: 07-01-2023 Max Marks:
100

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

Section 1

1. Fill in the blanks: (6)

a) Ability of a test to detect all those who have the disease is called _____.

b) Denominator in maternal mortality rate is _____
maternal deaths per _____

1000,_____.

c) Rehabilitation and _____ is mode of intervention for tertiary level of prevention.

d) Blinding in epidemiological studies is used to reduce,_____.

e) In oral glucose tolerance test _____ gm of glucose is used.

2. Answer the following: 5 x 1 = 05 (4)

a) Physical quality of life index includes; a) Life expectancy at birth b) Infant mortality rate c) Illiteracy d) All the above

b) Mid-year population counted on; a) 1st January b) 1st July c) 30th June d) 1st October

c) Hepatitis A transmits via which route a) Mother to child b) Unsafe intercourse c) Feco-oral d) All of the above

d) Rule of half used for which NCD; a) stroke b) Cancer c) Accidents d) Hypertension

e) Number of eligible couples per 1000 population in India: a) 150-180 b) 110-140
c) 90-110 d) 200-230

3. A 2 year old child brought to hospital by his mother with complaints of fever and cough since 2 days. On examination his respiratory rate was 48/min with chest in drawing. a) What is classification of this child as per IMNCI guidelines. b) What is manage (15)

4. Write briefly on (Any Five).5x2=10 (10)

- a) Randomization.
- b) Vaccines used for prevention of cancers.
- c) Yield in screening.
- d) LBW babies.
- e) Hospital acquired infections.
- f) Primary Health care (A. 927)

5. Explain (Any Three).3x5 = 15 (15)

- a) Why primordial prevention is better than secondary prevention of disease?
- b) Why MR vaccine not used after 4 hours of reconstitution?
- c) Difference between isolation and quarantine.
- ~~d) Why ANC visits are important for fetus~~

and mother.

Section 2

6. Describe in detail about epidemiology and prevention of influenza and how will you investigate an epidemic of influenza in a village of your PHC. (20)

7. Write briefly on (Any Five). (10)

- a) Age specific marital fertility rate.
- b) Ideal candidate for intra uterine device.
- c) Weekly iron folic acid supplementation.
- d) Uses of growth chart (A.580)
- e) Epidemiological triad (A.37)
- f) Normal distribution curve (A.886)

8. Write shorts notes on (Any Four). (20)

- a) Psychological problems of elderly population.
 - b) Nutritional rehabilitation centers.
 - c) Types of epidemic.
 - d) Preventive measures for control of diabetes mellitus in community.
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e) Spiritual dimension of health.

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