

SS/MBBS-III (Part-I)/1st IA/COM/07-24

2024

(July)

COMMUNITY MEDICINE

Full Marks: 100

Time: 3 hours

The figures in the margin indicate full marks for the questions

Answer all questions

1. Define Epidemiology. Classify the study designs in Epidemiology. Discuss in brief the steps of conducting a Randomized Controlled Trial (RCT). Enumerate different types of Blinding. (2+5+6+2=15)

2. Mention six important causes of infant mortality in India. Enumerate six national programs for reducing under five morbidity and mortality. What is the current IMR of India? Discuss the strategies for reducing neonatal mortality.

(3+3+1+8=15)

3. A 2-year-old girl has cheesy deposition in the conjunctiva of her eye along with decreased eyesight after dusk. (1+3+3+3=10)

- a) What is the probable diagnosis?
- b) What can be the other clinical manifestations?
- c) Mention the treatment.
- d) What are the preventive measures to avoid such a situation?

4. Write short notes on:

(5x8=40)

- a) Adverse events following immunization.
- b) Food fortification.

- c) Uses of Growth Chart.
- d) Adolescent health interventions under RMNCH+A.
- e) Sources of health information.
- f) Validity of a screening test.
- g) Difference between Isolation and Quarantine.
- h) Low osmolality ORS.

5. Answer briefly:**2x5=10**

- a) What is herd immunity?
- b) When is booster dose of tetanus toxoid given to a pregnant woman?
- c) What is contact tracing?
- d) Mention four criteria of proper attachment in breastfeeding.
- e) What is open vial policy?

6. Choose the correct option:**(1x5=5)**

i. Toxic Shock Syndrome is associated with which vaccine?

- a) DPT
- b) JE
- c) Measles
- d) PCV

ii. The iodine content of iodized salt at the producer level should be

- a) 15 ppm
- b) 20 ppm
- c) 25 ppm
- d) 30 ppm

iii. The time gained by doing a screening test is

- a) prepatent period
- b) latent period
- c) lead time
- d) None of the above

iv. All of the following are direct modes of transmission of diseases except

- a) skin to skin contact
- b) droplet infection
- c) transplacental
- d) droplet nuclei

v. Perinatal period includes

- a) 28 weeks of gestation to birth
- b) 28 weeks of gestation to 7 days of birth
- c) 28 weeks of gestation to 28 days of birth
- d) birth to 7 days after birth

7. Discuss in brief the role of effective communication skills in building a good doctor-patient relationship. (5)

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