

**M.B.B.S. THIRD PROFESSIONAL PART - I EXAMINATION, MARCH-2025****COMMUNITY MEDICINE****PAPER - SECOND****[Time allotted: Three hours]****SET - A****[Max Marks: 100]****Q. 1. Multiple choice questions (Darken the single best response in OMR sheet. Time allotted 20 minutes) (20 x 01 = 20)**

1. A tool for increasing consensus among a large no. of people is:
  - a. Chalk and talk (lecture)
  - b. Delphi method
  - c. Television
  - d. Interpersonal communication (IPC)
2. Which of the following statements refers to propaganda?
  - a. Appeals to emotion
  - b. Develops individuality
  - c. The process is behaviour centred
  - d. Makes people think for themselves
3. Current annual growth rate of a population can be calculated by:
  - a. Crude birth rate (CBR) minus Crude death rate (CDR)
  - b. Crude death rate (CDR) minus Crude birth rate (CBR)
  - c. Decadal growth rate/10
  - d. Crude birth rate (CBR) plus Crude death rate (CDR)
4. In calculating Dependency Ratio, the numerator is expressed as:
  - a. Population under 10 years and 60 and above
  - b. Population under 15 years and 60 and above
  - c. Population under 10 years and 65 and above
  - d. Population under 15 years and 65 and above
5. 100 women, followed up for 20 months, with OCPs, 5 became pregnant. Calculate the Pearl Index:
  - a. 1
  - b. 2
  - c. 3
  - d. 4
6. Integrated Management of Neonatal and Childhood Illness (IMNCI) includes all except:
  - a. Tetanus
  - b. Acute respiratory tract infection
  - c. Measles
  - d. Malaria
7. The extra energy allowances needed per day during pregnancy is:
  - a. 150 KCals
  - b. 200 KCals
  - c. 300 KCals
  - d. 550 KCals
8. Which of the following is not included in '5 cleans' in conduct of delivery?
  - a. Clean hands
  - b. Clean perineum
  - c. Clean cutting and care of cord
  - d. Clean surface for delivery
9. Highest protein content is in:
  - a. Red gram
  - b. Black gram
  - c. Bengal gram
  - d. Soya bean
10. Net protein utilization is highest in:
  - a. Egg
  - b. Wheat
  - c. Milk
  - d. Fish
11. Vitamin-A solution contains:
  - a. 25,000 IU per ml
  - b. 50,000 IU per ml
  - c. 1,00,000 IU per ml
  - d. 2,00,000 IU per ml
12. To find out the dose of bleaching powder required for disinfection of water, following is used:
  - a. Chloroscope
  - b. Chloronome
  - c. Horrock's apparatus
  - d. Winchester Quart Bottle
13. All are "Water-Washed Diseases" **except**:
  - a. Scabies
  - b. Trachoma
  - c. Typhoid
  - d. Conjunctivitis
14. Exposure to noise above \_\_\_\_\_ causes permanent loss of hearing:
  - a. 85 dB
  - b. 90 dB
  - c. 100 dB
  - d. 160 dB
15. Primary health care includes all, **EXCEPT**:
  - a. Treatment is done by a doctor
  - b. Equitable distribution
  - c. Intersectoral coordination
  - d. Appropriate technology
16. Multipurpose worker scheme in India was introduced following the recommendation of:
  - a. Shrivastav Committee
  - b. Kartar Singh Committee
  - c. Mudaliar Committee
  - d. Shrivastav Committee
17. Time taken for any project is estimated by:
  - a. Work sampling
  - b. Input-output analysis
  - c. Network analysis
  - d. Systems analysis
18. Emporiatrics refers to study of:
  - a. Occupational disease
  - b. Air pollution
  - c. Environmental factor
  - d. Health of travellers
19. World AIDS day is on:
  - a. 7 May
  - b. 1 December
  - c. 20 November
  - d. 7 April
20. Which of the following is **NOT** a work of Anganwadi worker?
  - a. Immunization of children
  - b. Non formal preschool education
  - c. Sanitation
  - d. Health education

## COMMUNITY MEDICINE PAPER- SECOND

**Note:** Attempt all questions in sequence.  
Draw suitable diagrams (wherever necessary)

- Q. 2. Give reasons:** (5 x 2 = 10)
- Use of growth chart is quick methodology for identification of under-nutrition.
  - First Referral Units (FRU) will reduce Maternal Mortality Ratio (MMR).
  - Parboiled rice is nutritionally superior to milled rice.
  - Integrated vector management is the most effective method of vector control.
  - Prioritization is an important step in health planning.
- Q. 3. Problem based question:** (2+5+3 = 10)
- A family consists of a 25-year-old mother, a 28-year-old father, and their 3-year-old daughter, named Aisha. They reside in a modest mud-brick house with limited access to clean water and sanitation facilities. The parents are both agricultural laborers, earning meagre wages, and their daily diet predominantly comprises rice and lentils. The mother is illiterate and has minimal knowledge about child nutrition, while the father completed primary education. Her weight for age z-score is -2.5. Aisha's feeding status is a cause for concern. She is predominantly breastfed but receives no other complementary foods. Her mother is unaware of the importance of introducing complementary foods at the appropriate age and in the right quantities. Aisha's breastfeeding frequency is irregular, with prolonged gaps between feeds due to her mother's work schedule in the fields.
- Which health problems is Aisha suffering from?
  - What sociocultural factors seem to be responsible for the health problems of Aisha?
  - How will you manage this child and what measures can be taken at the community level to prevent such cases?
- Q. 4. Write briefly on:** (4 x 6 = 24)
- Spectrum of iodine deficiency disorders.
  - Geriatrics health problems
  - Sanitation barrier
  - GATHER approach in counselling.
- Q. 5. Structured question:**
- (i) Enumerate fertility indicators. What do you mean by NRR=1? write in brief the advantages and disadvantages of contraceptive methods which an eligible couple should adopt in different phases of their reproductive life to achieve 'Small family norm'. (2+2+3+3=10)
- (ii) What are the average populations catered in relation to health –in a village, subhealth centre, primary health centre and a community health centre? Who serves at the level of subhealth centre? What are the activities carried out at subhealth centre? (3+3+4=10)
- Q. 6. Write short notes on:** (4 x 4 = 16)
- Non-Government organization.
  - Pasteurization of milk.
  - Explain main components of communication process.
  - Pillars of ethics

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