

M.B.B.S. THIRD PROFESSIONAL PART-I EXAMINATION, JANUARY-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) (1 x 20 = 20)

1. Which of the following is not a method of secondary treatment of sewage?
 - a. Trickling filter method
 - b. Screening
 - c. Activated sludge method
 - d. Sludge treatment.
2. Which method is not feasible for disposal of solid waste in rural areas?
 - a. Burial
 - b. Biogas plant
 - c. Mechanical Composting
 - d. Manure pit.
3. All of the following are key domain of Home based care for Young Child (HBYC) :
 - a. Nutrition
 - b. BFHI
 - c. WASH
 - d. Childhood Development
4. 'Geriatric giants' include all of the following except:
 - a. Immobility
 - b. Inconsistency
 - c. Incontinence
 - d. Impaired senses
5. Milling process deprives rice grain of the following nutritive elements:
 - a. Thiamine
 - b. Riboflavin
 - c. Pyridoxine
 - d. Protein
6. Prickly poppy seeds are mixed with mustard seed is an example:
 - a. Food Adulteration
 - b. Food additive
 - c. Food Preservative
 - d. Food fortification
7. According to Maternal, Infant and Young Child Nutrition, the period for nutrition intervention in children is:
 - a. First 270 days
 - b. First 100 days
 - c. First 675 days
 - d. First 1000 days
8. 1 ml of iron syrup for children from 6 months to 5 years of age contains:
 - a. 20 mg of elemental iron
 - b. 45 mg of elemental iron
 - c. 60 mg of elemental iron
 - d. 100 mg of elemental iron
9. The 80:20 principle applies to:
 - a. Program Evaluation Review Technique
 - b. Management by Objective
 - c. Critical Pathway Method
 - d. Human Resource management.
10. The contribution of the state governments to health spending is:
 - a. 60 -65%
 - b. 70-75%
 - c. 80-85%
 - d. 90 -95%
11. The best parameter for assessment of severe acute malnutrition is:
 - a. Weight for age
 - b. Weight for Height
 - c. Height for age
 - d. Any of the above.
12. 'GOBI' initiative is a feature of which one of the following organizations?
 - a. WHO
 - b. FAO
 - c. ILO
 - d. UNICEF
13. All of the following manpower are posted at PHC, except
 - a. Health Assistant
 - b. Medical Officer
 - c. AYUSH practitioner
 - d. ANM
14. All of the following are provided in ASHA kit, except:
 - a. Tablet IFA
 - b. Injection Tetanus toxoid
 - c. Slides for malaria parasites
 - d. Emergency contraceptive pills
15. Total number of obstetric emergency management criteria that a health care facility should fulfil for it to be designated as a comprehensive obstetric care unit are:
 - a. 5
 - b. 7
 - c. 9
 - d. 10
16. Correct sequence for the communication process is:
 - a. Message, sender, channel, receiver
 - b. Sender, message, channel, receiver
 - c. Sender, channel, message, receiver
 - d. Sender, receiver, channel, message
17. The way a person is predisposed about a particular health matter, and thinks and acts in that way, is called:
 - a. Attitude
 - b. Interest
 - c. Motivation
 - d. Knowledge
18. Pradhan Mantri Bhartiya Janaushadhi Pariyojana (PMBJP) was launched in India for 1st time in:
 - a. Nov. 2006
 - b. Nov. 2008
 - c. Nov. 2010
 - d. Nov. 2017
19. As compared to cow's milk, breast milk contains more:
 - a. Energy
 - b. Lactose
 - c. Protein
 - d. Fat
20. The following tests are used to check the efficiency of pasteurization of milk except:
 - a. Phosphatase test
 - b. Standard Plate Count
 - c. Coliform count
 - d. Methylene blue reduction test

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

- Q. 2. Give reasons why:** (5 x 2 = 10)
- Adequate ANC helps to recognize at risk mothers.
 - Iron is one of the most important micronutrients essential for life.
 - The most commonly used method of measuring residual ability and functional disability among the elderly population is “Activities of Daily Living”.
 - Health Management Information System is the backbone of health system.
 - Clear understanding and comprehension of the ‘target audience’ is important for health education
- Q. 3. Problem based question:** (5 x 2 = 10)
- A primary school is using rice – 5 kg, dal – 1kg, vegetables – 3 kg and oil – 1 kg each day for preparation of mid-day meal for 100 students. As per RDA, requirement of energy and protein for primary school children is 1700 Kcal and 23g/day respectively.
- Which ministry looks after mid-day meal program?
 - What broad principles should be followed in formulating mid – day meal for children?
 - Calculate the protein and energy being provided in mid-day meal program.
 - Comment on your findings.
 - Give your advice regarding addition of food items to make up for the observed deficient nutrients.
- Q. 4. Write briefly on:** (4 x 6 = 24)
- Network analysis
 - National Program for health care of elderly
 - Prophylactic dose and regime for IFA supplementation under Anaemia Mukh Bharat
 - Doctor patient relationship
- Q. 5. Structured question:**
- (i) Define demographic cycle. Discuss its stages, relating them to our national context. (4 +6 =10)
- (ii) What is sewage? Discuss the various components of standard central sewage treatment plant used for treatment of sewage in large townships having water carriage system. (3+7=10)
- Q. 6. Write short notes on:** (4 x 4 = 16)
- UNICEF.
 - Components of Ayushman Bharat – National Health Protection Scheme
 - NITI Aayog
 - Concept of “Essential List of Medicines”.
