

# Government Medical College and Hospital Sector 32, Chandigarh

Post: Demonstrator (Post-PG) Community Medicine

## QUESTION BOOKLET

Time: 120 Minutes

Number of Question: 100

Maximum Marks: 100

Name of Candidate

Roll Number: In figure

In Words

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Signature of the Candidate: \_\_\_\_\_

**DO NOT OPEN THE SEAL ON THE BOOKLET UNTIL ASKED TO DO SO**

### **INSTRUCTIONS:-**

1. Write your Roll Number on the Question Booklet and also on the OMR Sheet in the space provided. You will be required to give your thumb impression on the OMR sheet in the space provided.
2. This question booklet contains 100 MCQ's. Once you are permitted to open the Question Booklet, please check for any missing question / misprint etc. and in case of any discrepancy, inform the Assistant Superintendent / Invigilator within 10 minutes of the start of the test.
3. Each question has four alternative answer (A, B, C, D) out of which only one is correct. For each question, **darken only one bubble (A or B or C or D)**, whichever you think is the correct answer, on the OMR Answer sheet **with Black or Blue Ball Pen only**. Do not use any other Pen / Gel pen / Pencil etc. **Do not Tick  $\checkmark$  or  $\times$  on the OMR Sheet**. Darken the bubbles in the OMR Answer Sheet according to the Serial No. of the Questions given in the Question Booklet.
4. Each MCQ is of One (01) mark. There is no negative marking.
5. If you do not want to answer a question, leave all the bubbles corresponding to that question blank in the OMR Answer sheet.
6. The OMR Answer sheet is designed for computer evaluation. Therefore, if you do not follow the instructions given, it may make evaluation by the computer difficult. Any resultant loss to the candidates on the above account, i.e. not following instructions completely and properly, shall be the responsibility of the candidates only.
7. After the test, handover the Question Booklet and OMR sheet to the Invigilator on duty.
8. A Candidate who creates disturbance of any kind or changes his/her seat or is found in possession of any paper or the any assistance or found giving or receiving assistance or found using any other unfair means during the examination will be expelled from the examination by the Centre superintendent/Observer whose decision shall be final.
9. Telecommunication equipment such as pager, cellular phone, wireless, scanner, smart watch/ watch etc. is not permitted inside the examination hall. Use of calculators is not allowed.
10. Candidate should ensure accuracy of their personal details on the OMR Sheet i.e. Name and Roll No. as well as thumb impression. The personal details are to be filled in by the candidates with his/her own hand writing.



1. In a given population, total births in a year are 4050. There are 50 still births. 50 neonates die within first 7 days of life whereas the number of deaths within 8-28 days of life is 150. What is the Neonatal mortality rate in the population?
  - A. 12.5
  - B. 50
  - C. 49.4
  - D. 62.5
2. Perinatal mortality rate includes
  - A. Deaths within first week of life
  - B. Abortions, stillbirths, deaths within first week of life
  - C. Deaths from 28 weeks of gestational period to first week of life after birth
  - D. Deaths within one month of life
3. Commonest cause of neonatal mortality in India is
  - A. Diarrheal disease
  - B. Birth injuries
  - C. Low birth weight
  - D. Congenital anomalies
4. 100 women, followed up for 20 months, with Oral contraceptive pills, 05 became pregnant. Calculate the Pearl Index:
  - A. 1
  - B. 2
  - C. 3
  - D. 4
5. Average number of children a woman would have if she were to pass through her reproductive years bearing children at the same rates as the women now in each age group is known as
  - A. General fertility rate
  - B. Gross reproduction rate
  - C. Net reproduction rate
  - D. Total fertility rate
6. Best parameter for assessment of chronic malnutrition is
  - A. Weight for age
  - B. Weight for height
  - C. Height for age
  - D. Mid upper arm circumference
7. A 32-year-old woman with a regular menstrual cycle presents to her gynaecologist for contraception. She is interested in taking a combined OCP & was prescribed the same. Which of the following statements is correct about Mala D composition?
  - A. Lynestrenol 0.15 mg + Ethinyl estradiol 0.30 mg
  - B. Lynestrenol 0.15 mg + Ethinyl estradiol 0.03 mg
  - C. Levonorgestrel 0.15 mg + Ethinyl estradiol 0.30 mg
  - D. Levonorgestrel 0.15 mg + Ethinyl estradiol 0.03 mg
8. Which of the following does not include the scope of modern family welfare programs?
  - A. HIV/AIDS treatment
  - B. Education for parenthood
  - C. Sterility advices
  - D. Proper spacing and limitation of births
9. Which statement is not correct regarding Centchroman:
  - A. It is a non-steroidal contraceptive
  - B. It has been useful for females with polycystic ovarian disease.
  - C. It is developed in India
  - D. Its failure rate is 1.83-2.84 per HWY
10. In demography, family size means
  - A. Total number of women in the family
  - B. Total number of persons in the family
  - C. Total number of children in the family
  - D. Total number of women in the reproductive age group
11. Which of the following is true statement regarding Nova-T:
  - A. Effective for 10 years
  - B. Contains silver core
  - C. More copper content
  - D. More chances of perforation

12. A 26-year-old male presented to the hospital with fever, chills and severe joint pain. The vector was found to be *Mansonia* for this condition. Which of the following disease is transmitted by *Mansonia*:
  - A. Bancroftian filariasis
  - B. Japanese encephalitis
  - C. Dengue
  - D. Chikungunya
13. The structure of COVID-19 virus is:
  - A. Naked helical
  - B. Icosahedral
  - C. Enveloped helical
  - D. Complex
14. Researcher wants to assess the prevalence of high risk factors for NCD among adults in a district. The investigators collect data from randomly selected households. This is an example of:
  - A. Individual data
  - B. Primary data collection
  - C. Aggregate data analysis
  - D. Secondary data analysis
15. Which of the following is an Audio-Visual Aid in health education?
  - A. Pamphlets
  - B. Radio
  - C. Television
  - D. Posters
16. Which of the following is not included under IMNCI:
  - A. Tetanus
  - B. Acute respiratory tract infection
  - C. Measles
  - D. Malaria
17. ICDS does not cover:
  - A. Nutritional supplementation
  - B. Formal education
  - C. Health education
  - D. Immunization
18. Doll and Hill are famous for their studies regarding
  - A. Framingham heart study
  - B. Treatment of tuberculosis
  - C. Smoking and lung cancer
  - D. Prevention of HIV
19. ICDS include children upto age of years:
  - A. 3
  - B. 5
  - C. 6
  - D. 14
20. The authority for administration and conduct of census in India is:
  - A. Registrar of births and deaths
  - B. Census commissioner of India
  - C. Secretary, Ministry of Home Affairs
  - D. Union Health Minister
21. In which of the following frequency measures is the denominator in 'person time':
  - A. Cumulative incidence
  - B. Incidence density
  - C. Point prevalence
  - D. Period prevalence
22. Contraction of demographic gap starts in:
  - A. Stage I
  - B. Early stage II
  - C. Late stage II
  - D. Stage IV
23. The ability of a measurement process to correctly measure what it actually intends to measure is known as:
  - A. Reliability
  - B. Reproducibility
  - C. Consistency
  - D. Validity
24. Confounding is a form of which of the following errors:
  - A. Lack of internal validity
  - B. Lack of external validity
  - C. Lack of statistical precision
  - D. Lack of repeatability
25. The commonest morbidity found in school students is
  - A. Dental ailments
  - B. Worm infestations
  - C. Malnutrition
  - D. Skin diseases



26. Standardization of instruments and measurement technique will not ensure which of the following?  
 A. Inter-subject variations  
 B. Validity  
 C. Intra-subject variations  
 D. Inter-observer variations
27. Mid arm circumference is constant during  
 A. 0-6 months  
 B. 1-5 years  
 C. 5-10 years  
 D. 10 years
28. A cross-sectional study will give  
 A. Incidence rate  
 B. Prevalence  
 C. Relative risk  
 D. Odds ratio
29. Cessation experiment is an example of:  
 A. Experimental study  
 B. Cohort study  
 C. Case-control study  
 D. Cross-sectional study
30. Vaccine for yellow fever is:  
 A. Killed 14D vaccine  
 B. Live 15D vaccine  
 C. Killed 17D vaccine  
 D. Live 17D vaccine
31. Mean output of breast milk per day is maximum during the following months of lactation:  
 A. 0-2 months  
 B. 3-4 months  
 C. 5-6 months  
 D. 7-8 months
32. A problem village is one where no source of safe water is available within a distance of:  
 A. 1.2 km  
 B. 1.6 km  
 C. 1.8 km  
 D. 2.0 km
33. Index of operational efficiency of the malaria control programme is  
 A. Annual parasite incidence  
 B. Annual blood examination rate  
 C. Slide positivity rate  
 D. Human blood index
34. Fish is not a source of which mineral:  
 A. Iron  
 B. Iodine  
 C. Vitamin  
 D. Phosphorus
35. Oxidation pond works on the principle of?  
 A. Aerobic during night and anaerobic during day  
 B. Aerobic during day and anaerobic during night  
 C. Aerobic in both day and night  
 D. Anaerobic in both day and night
36. According to CDC recommendations, HIV screening of pregnant women is:  
 A. Opt-in testing  
 B. Opt-out testing  
 C. Compulsory  
 D. Symptomatic
37. Targeted Interventions for HIV is done for all except:  
 A. Commercial sex workers  
 B. Migrant labourers  
 C. Street children  
 D. Industrial workers
38. Both night soil and solid waste could be disposed together by:  
 A. Sanitary landfill  
 B. Composting  
 C. Manure pit  
 D. Controlled tipping
39. International Day of Natural Disaster Reduction is celebrated on  
 A. June 15  
 B. March 5  
 C. October 13  
 D. September 13
40. Sling psychrometer measures  
 A. Atmospheric humidity  
 B. Precipitation  
 C. Air temperature  
 D. Wind velocity
41. The graded (tier) system of providing health care to the community has how many tiers?  
 A. 1  
 B. 2  
 C. 3  
 D. 4

42. Which of the following is not a characteristic of primary health care?
- It is shaped around the life patterns of populations it serves
  - It has focus on basic sanitation
  - It gives priority to building state of the art hospitals
  - It has commitment to appropriate treatment of common diseases and injuries
43. The target year of achieving the SDG is:
- 2020
  - 2030
  - 2010
  - 2050
44. The most essential strategy for achieving health for all is.
- Appropriate health related laws.
  - Adequate tertiary care hospitals.
  - Primary health care.
  - Safe water supply
45. Sustainable Development goals have been laid down by:
- UNO
  - WHO
  - UNICEF
  - Government of India
46. During the Pollution Under Control (PUC), check of vehicles which gas is checked
- CO
  - SO<sub>2</sub>
  - NO<sub>2</sub>
  - Particulates
47. Community Participation, intersectoral coordination, equitable distribution and appropriate technology are the four pillars of
- Planning commission
  - Referral level of health care
  - Primary health care
  - Medical education system
48. Perflation is a phenomenon describes as:
- Wind blowing through windows and doors facing each other
  - Wind blowing through a room
  - Suction effect at the tail end of wind flowing through a room
  - Positive pressure on the windward side of building
49. Which of the following statistical test is not a parametric.
- ANOVA
  - Independent t-test
  - Mann Whitney test
  - Z-test
50. The theme of WHO day 2023 is focused on \_\_\_\_\_
- Primary Health care
  - Universal Health Coverage
  - Health for All
  - Our planet, Our Health
51. The symbol " Rx " which doctors write before writing a prescription means
- I (The doctor) invoke the blessing of Goddess Hygeia to cure my patients
  - Thou (The patients) take these medicines in the name of Jupiter
  - May Hippocrates help me to write correct prescription
  - May Sage Charaka/Sushruta guide to cure my patients
52. The latest addition of WHO list of essential drugs is
- First edition, 1977
  - 10<sup>th</sup> edition, 2000
  - 22<sup>th</sup> edition, 2021
  - 18<sup>th</sup> edition, 2009
53. Assessment of pelvis is done
- During the first ANC visit
  - During the second ANC visit
  - During the last ANC visit
  - Any time during pregnancy
54. The various groups of medicines in the WHO list of essential medicines are arranged according to
- Alphabetical Order
  - Importance of the group in clinical Practices
  - Cost
  - Commonness of disease for which they are used
55. Which is not the contraindication for OCP use
- Hyperlipidemia
  - Cirrhosis of liver
  - Unexplained vaginal bleeding
  - Mild Anemia



56. In the national list of essential medicines, the medicines have been categorised according to their requirement at various levels of health care as  
 A. P and S  
 B. P, S and T  
 C. S and T  
 D. U, P, S and T
57. A teacher will be classified as a  
 A. Heavy worker  
 B. Moderate worker  
 C. Sedentary worker  
 D. Average worker
58. Keshan disease is due to deficiency of  
 A. Copper  
 B. Zinc  
 C. Iron  
 D. Selenium
59. Red colour in MUAC tape corresponds to a measurement of less than  
 A. 10 cm  
 B. 11.5 cm  
 C. 12.5 cm  
 D. 13.5 cm
60. In India the Ministry concerned with the development of drug policy is  
 A. Ministry of Science and Technology  
 B. Ministry of Chemicals and Fertilizers (Department of Pharmaceuticals)  
 C. Drug controller general of India  
 D. Ministry of Health and Family Welfare
61. Which of the following function does not fall within the purview of "uses of epidemiology"  
 A. Deciding whether our community needs one PHC or 4 Sub-centres  
 B. Establishing the natural history of HIV infection  
 C. Training the medical students in conducting delivery  
 D. Investigating an outbreak of food poisoning
62. Murine typhus is transmitted by  
 A. Hard tick  
 B. Soft tick  
 C. Xenopsylla  
 D. Trombiculid mite
63. The first ever scientifically conducted clinical trial was  
 A. Trial of streptomycin for tuberculosis  
 B. Trial of polio vaccine  
 C. Goldberger's observations on pellagra  
 D. James Lind's study on scurvy
64. Eggs are laid in rafts in  
 A. Culex  
 B. Aedes  
 C. Anopheles  
 D. Mansonia
65. Which of the following is not a characteristic of descriptive studies?  
 A. Only one group is studied  
 B. No comparison between groups is made.  
 C. Disease is studied according to person, place and time.  
 D. Hypothesis regarding cause and effect relationship is tested
66. Which of the diseases is not transmitted by Lice?  
 A. Endemic typhus  
 B. Trench fever  
 C. Relapsing fever  
 D. Epidemic typhus
67. Chi-square test is used to show  
 A. Correlation  
 B. Association  
 C. Regression  
 D. Canonical relation
68. The last known naturally occurring case of smallpox occurred in  
 A. Somalia  
 B. Nigeria  
 C. Uganda  
 D. Libya
69. Smoking is not a known risk factor for which of the following cancers?  
 A. Pancreas  
 B. Kidney  
 C. Prostate  
 D. Bladder

70. For establishing a cause and effect relation, which study is not useful:
- Experimental study
  - Case control study
  - Cohort study
  - Descriptive study
71. Cigarettes act was enacted in:
- 1971
  - 1975
  - 2003
  - 2008
72. Which of the following indices is not an index of measurement of obesity?
- Body mass index
  - Ponderal index
  - Broca index
  - Sullivan's index
73. Which is the commonest cause of blindness in India
- Glaucoma
  - Vitamin A deficiency
  - Diabetic retinopathy
  - Trachoma
74. Which of the following is not a measure of central tendency
- Percentile
  - Quartile
  - Standard deviation
  - Mode
75. The highest % of essential fatty acid is found in
- Butter fat (Ghee)
  - Sunflower seed oil
  - Corn oil
  - Groundnut oil
76. If the standard deviation of a population is 9, the population variance is
- 3
  - 9
  - 21.35
  - 81
77. Consumption of which of the following causes epidemic dropsy?
- Keshri dal
  - Mustard oil
  - Argemone oil
  - Ergot
78. The best indicator for monitoring the impact of Iodine Deficiency Disorders Control programme is
- Prevalence of Goiter among school children
  - Urinary iodine levels among pregnant women
  - Neonatal Hypothyroidism
  - Iodine level in soil
79. Outdated(expired) cytotoxic drugs should be disposed of by
- Disposal in municipal waste
  - Common facility for incineration
  - Burial in landfill
  - Autoclaving
80. Which one of the following has lowest "Glycaemic Index"?
- Banana
  - Brown rice
  - Corn flakes
  - Whole wheat bread
81. Rooming in does not accomplish
- Relieving mother's anxiety
  - Breastfeeding baby
  - Mother and baby's company
  - Birth control
82. Epidemiological marker of Hepatitis-B is
- HBs Ag
  - Anti-HBs
  - Anti HBc
  - HBe Ag
83. Chemoprophylaxis of malaria can be done by all except
- Chloroquine
  - Mefloquine
  - Proguanil
  - Primaquine
84. Leprosy is not yet eradicated because it is/has
- No effective vaccine
  - Highly infectious but low pathogenicity
  - Only humans are reservoir
  - Long incubation period

85. Acrodermatitis enteropathica is seen due to deficiency of  
 A. Copper  
 B. Zinc  
 C. Iron  
 D. Selenium
86. Highest amount of niacin is present in  
 A. Jaggery  
 B. Groundnuts  
 C. Pistachio  
 D. Milk
87. National Vector Borne Disease Control Programme does not include which disease?  
 A. Malaria  
 B. Filariasis  
 C. Kala azar  
 D. Leptospirosis
88. Which of the following anti-leprotic drug is not given in blister packs of NLEP?  
 A. Dapsone  
 B. Rifampicin  
 C. Clofazimine  
 D. Minocycline
89. Which is not known to be transmitted through milk?  
 A. Diphtheria  
 B. Pertussis  
 C. Brucellosis  
 D. Tuberculosis
90. Which statement is not correct regarding clostridium tetani infection:  
 A. Incubation period 6-10 days  
 B. 3 primary doses of vaccine required for full protection  
 C. Man to man transmission  
 D. Produces heat resistant spores
91. Vanilla essence is a food  
 A. Additive  
 B. Fortificant  
 C. Supplement  
 D. Toxicant
92. The mode of transmission of microfilaria through a female Culex mosquito is  
 A. Cyclo-propagative  
 B. Propagative  
 C. Cyclo-developmental  
 D. Vehicle borne
93. In control of epidemics, which is not recommended  
 A. Mass vaccination  
 B. Mass chemoprophylaxis  
 C. Health education  
 D. Isolation of cases
94. The socioeconomic status of the rural area is indicated by one of the following?  
 A. Kuppaswamy scale  
 B. BG Prasad scale  
 C. Uday Pareek scale  
 D. Thomson scale
95. Family, which lags behind the rest of the community, is known as:  
 A. Communal family  
 B. Elementary family  
 C. Problem family  
 D. Broken family
96. Moderate mental retardation is an IQ of:  
 A. 50 - 70  
 B. 35-49  
 C. 70-80  
 D. Below 25
97. Rabies virus is:  
 A. Bullet shaped  
 B. Diamond shaped  
 C. Cone shaped  
 D. Round shaped
98. Ergonomics is concerned with  
 A. Improving the genetic endowment of human population  
 B. Fitting the job to the worker  
 C. Environmental manipulation according to human needs  
 D. Improving the agricultural production
99. First requisite before conducting an interview is:  
 A. Securing rapport  
 B. Probe questions  
 C. Establishing contact  
 D. Guiding the interview
100. ESI scheme is an outcome of:  
 A. Bhoré committee  
 B. Shrivastav committee  
 C. Mudaliar committee  
 D. Adarkar committee



## SUBJECT COMMUNITY MEDICINE

1	B	21	B	41	C
2	C	22	B	42	C
3	C	23	D	43	B
4	C	24	A	44	C
5	D	25	A	45	A
6	C	26	A	46	A
7	D	27	B	47	C
8	A	28	B	48	B
9	B	29	A	49	B
10	C	30	C	50	C
11	B	31	C	51	B
12	D	32	B	52	C
13	C	33	B	53	C
14	B	34	B	54	A
15	C	35	B	55	D
16	A	36	B	56	B
17	B	37	D	57	C
18	C	38	B	58	D
19	C	39	C	59	C
20	B	40	A	60	B
61	C	81	D		
62	C	82	A		
63	D	83	D		
64	A	84	D		
65	D	85	B		
66	A	86	B		
67	B	87	D		
68	A	88	D		
69	C	89	B		
70	D	90	C		
71	A	91	A		
72	B	92	C		
73	A	93	B		
74	C	94	C		
75	C	95	C		
76	D	96	B		
77	C	97	A		
78	C	98	B		
79	B	99	A		
80	A	100	D		