



**VINAYAKA MISSION'S RESEARCH FOUNDATION, SALEM**  
**(Deemed to be University under section 3 of the UGC Act 1956)**

**Ph.D Entrance Test – November – 2025**

**Faculty of Allied Health Sciences / Public Health**

**Instructions / Note:**

1. Answer all the questions. Each question carries one mark.
2. No negative marks for wrong answers.
3. Read each question carefully and answer in the OMR sheet provided for each question with only blue/ black pen to fill the circles in the OMR Sheet.
4. Question number 1 - 35 questions belong to Research Methodology component and Question number 36-70 questions belong to the subject at PG level
5. Return the question paper along with the OMR sheet.

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36. Which of the following is *not* a principle of Primary Health Care?
  - A. Equitable distribution
  - B. Community participation
  - C. Centralized planning
  - D. Intersectoral coordination
37. The Health Planning Cycle begins with \_\_\_\_\_
  - A. Implementation
  - B. Situation analysis
  - C. Evaluation
  - D. Monitoring
38. The “Health for All by 2000 AD” initiative was launched under \_\_\_\_\_
  - A. Alma-Ata Declaration
  - B. Ottawa Charter
  - C. Sustainable Development Goals
  - D. WHO Global Compact
39. The Universal Health Coverage (UHC) framework is most closely linked to which SDG goal?
  - A. SDG 2
  - B. SDG 3
  - C. SDG 4
  - D. SDG 5



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40. Natural history of disease has how many stages?
- A. 3
  - B. 4
  - C. 5
  - D. 6
41. Secondary prevention aims at \_\_\_\_\_
- A. Reducing exposure to risk factors
  - B. Early diagnosis and treatment
  - C. Preventing disability
  - D. Rehabilitation
42. Which of the following is a vector-borne disease?
- A. Leptospirosis
  - B. Typhoid
  - C. Malaria
  - D. Cholera
43. The attack rate is primarily used in \_\_\_\_\_
- A. Case-control studies
  - B. Outbreak investigations
  - C. Cross-sectional surveys
  - D. Cohort studies
44. The basic reproductive rate ( $R_0$ ) of an infection depends on all except \_\_\_\_\_
- A. Duration of infectiousness
  - B. Transmission probability
  - C. Contact rate
  - D. Vaccine efficacy
45. Mean, Median, and Mode are measures of \_\_\_\_\_
- A. Central tendency
  - B. Dispersion
  - C. Correlation
  - D. Variation
46. Standard deviation measures \_\_\_\_\_
- A. Skewness
  - B. Spread of data
  - C. Central value
  - D. Association strength



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47. A normal distribution is symmetrical around \_\_\_\_\_
- A. Mode
  - B. Median
  - C. Mean
  - D. All of the above
48. Chi-square test is used to \_\_\_\_\_
- A. Compare means
  - B. Measure correlation
  - C. Test association between categorical variables
  - D. Predict regression
49. The ROC curve is used to \_\_\_\_\_
- A. Compare treatment efficacy
  - B. Evaluate random error
  - C. Assess diagnostic test accuracy
  - D. Determine population variance
50. The temperature range for vaccine storage in the cold chain is \_\_\_\_\_
- A. 0–2°C
  - B. 2–8°C
  - C. 8–10°C
  - D. 10–15°C
51. IMR refers to \_\_\_\_\_
- A. Infant Morbidity Rate
  - B. Infant Morbidity Ratio
  - C. Immunization Mortality Ratio
  - D. Infant Mortality Rate
52. Which vaccine has replaced the Tetanus Toxoid (TT) vaccine in the national immunization schedule?
- A. Tetanus and pertussis (Tp) vaccine
  - B. Tetanus and hepatitis B (TH) vaccine
  - C. Diphtheria and pertussis (Dp) vaccine
  - D. Tetanus and adult diphtheria (Td) vaccine
53. IFA supplementation is given for \_\_\_\_\_
- A. Vitamin D deficiency
  - B. Anemia control
  - C. Protein deficiency
  - D. Calcium deficiency



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54. Protein energy malnutrition includes \_\_\_\_\_
- A. Beriberi and Pellagra
  - B. Scurvy and Rickets
  - C. Marasmus and Kwashiorkor
  - D. Obesity and Diabetes
55. Biological value of protein is highest for \_\_\_\_\_
- A. Egg
  - B. Soybean
  - C. Wheat
  - D. Pulses
56. Blue baby syndrome is caused by \_\_\_\_\_
- A. Fluoride
  - B. Nitrates
  - C. Lead
  - D. Arsenic
57. The disease commonly seen in textile workers is \_\_\_\_\_
- A. Silicosis
  - B. Byssinosis
  - C. Anthracosis
  - D. Asbestosis
58. Cost-effectiveness analysis compares \_\_\_\_\_
- A. Costs and outcomes
  - B. Inputs only
  - C. Only outcomes
  - D. Only cost differences
59. HMIS stands for \_\_\_\_\_
- A. Health and Medical Insurance Scheme
  - B. Hospital Monitoring Information System
  - C. Health Management Information System
  - D. None of the above
60. The Sample Registration System (SRS) in India collects \_\_\_\_\_
- A. Census data
  - B. Hospital records
  - C. Morbidity data
  - D. Vital statistics



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61. Crude Birth Rate is expressed per \_\_\_\_\_
- A. 100 persons
  - B. 1,000 persons
  - C. 10,000 persons
  - D. 100,000 persons
62. India's demographic transition is currently in \_\_\_\_\_
- A. Stage I
  - B. Stage II
  - C. Stage III
  - D. Stage IV
63. TFR stands for \_\_\_\_\_
- A. Total Fertility Ratio
  - B. Total Fertility Rate
  - C. Temporary Fertility Rate
  - D. Total Family Ratio
64. Geriatrics is the study of \_\_\_\_\_
- A. Elderly
  - B. Adults
  - C. Children
  - D. Adolescents
65. WHO defines health as \_\_\_\_\_
- A. Absence of disease
  - B. Physical well-being only
  - C. Complete physical, mental and social well-being
  - D. Mental soundness
66. Mental health promotion focuses on \_\_\_\_\_
- A. Creating supportive environments
  - B. Counseling
  - C. Medication
  - D. Hospital-based care
67. Social pathology refers to \_\_\_\_\_
- A. Physical disease
  - B. Socially deviant behaviors
  - C. Occupational injury
  - D. Cultural beliefs



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68. Substance-use prevention is a part of \_\_\_\_\_
- A. Curative medicine
  - B. Palliative care
  - C. Therapeutic medicine
  - D. Preventive medicine
69. The term "Gerontology" refers to \_\_\_\_\_
- A. Biological aging
  - B. Geriatric medicine
  - C. Study of aging and problems of elderly
  - D. Aging therapy
70. One key indicator of social stress is \_\_\_\_\_
- A. Literacy rate
  - B. Divorce rate
  - C. GDP
  - D. Urbanization rate

