

Test Booklet
Series

A

**TEST BOOKLET FOR THE POST OF
ASSISTANT PROFESSOR
(PUBLIC HEALTH)**

Test Booklet No.

Name of Applicant Answer Sheet No.

Application No. : Signature of Applicant :

Date of Examination: Signature of the Invigilator(s)
1.

Time of Examination : 2.

Duration : 2.30 Hours]

[Maximum Marks : 100

IMPORTANT INSTRUCTIONS

- (i) The question paper is in the form of Test-Booklet containing **100 (Hundred)** questions. All questions are compulsory. Each question carries four answers marked (A), (B), (C) and (D), out of which only one is correct.
- (ii) On receipt of the Test-Booklet (Question Paper), the candidate should immediately check it and ensure that it contains all the pages, i.e., **100** questions (50 in Part-A + 50 in Part-B). Discrepancy, if any, should be reported by the candidate to the invigilator immediately after receiving the Test-Booklet.
- (iii) A separate Answer-Sheet is provided with the Test-Booklet/Question Paper. On this sheet there are **100** rows (50 in Part-A + 50 in Part-B) containing four circles each. One row pertains to one question.
- (iv) The candidate should write his/her Application number at the places provided on the cover page of the Test-Booklet/Question Paper and on the Answer-Sheet and **NOWHERE ELSE**.
- (v) No second Test-Booklet/Question Paper and Answer-Sheet will be given to a candidate. The candidates are advised to be careful in handling it and writing the answer on the Answer-Sheet.
- (vi) For every correct answer of the question **One (1) mark will be awarded**. For every unattempted question, Zero (0) mark shall be awarded. **There is no Negative Marking**.
- (vii) Marking shall be done only on the basis of answers responded on the Answer-Sheet.
- (viii) To mark the answer on the Answer-Sheet, candidate should **darken** the appropriate circle in the row of each question with Blue or Black pen.
- (ix) For each question only **one** circle should be **darkened** as a mark of the answer adopted by the candidate. If more than one circle for the question are found darkened or with one black circle any other circle carries any mark, the question will be treated as cancelled.
- (x) The candidates should not remove any paper from the Test-Booklet/Question Paper. Attempting to remove any paper shall be liable to be punished for use of unfair means.
- (xi) Rough work may be done on the blank space provided in the Test-Booklet/Question Paper only.
- (xii) *Mobile phones (even in Switch-off mode) and such other communication/programmable devices are not allowed inside the examination hall.*
- (xiii) No candidate shall be permitted to leave the examination hall before the expiry of the time.

DO NOT OPEN THIS QUESTION BOOKLET UNTIL ASKED TO DO SO.

PART-A

1. In constructivist frame a learner is viewed as
 - (A) Problem solver and scientific investigator
 - (B) Researcher and builder of new knowledge
 - (C) Proposer of new approaches through scientific analysis
 - (D) Resolver of problems and their solutions
2. Which of the following is not a key feature of "Behaviourist View"?
 - (A) Testing learners to determine whether or not they have achieved the learning outcomes
 - (B) Learning should be an active and meaningful process
 - (C) Providing reinforcement to positively impact performance (e.g. tangible rewards, informative feedback).
 - (D) An emphasis on producing observable and measurable outcomes in students
3. MOOC stands for
 - (A) Media online open course
 - (B) Media open online course
 - (C) Massive open online course
 - (D) Massive online open course
4. Skinner's Operant Conditioning Mechanisms – Negative Reinforcement: Responses that allow escape from painful or undesirable situations are ----- to be repeated
 - (A) surely
 - (B) not surely
 - (C) likely
 - (D) not likely
5. Identify a skill which is not related to instructional designer-
 - (A) Creativity and flexibility
 - (B) Communication and people skills
 - (C) Psychomotor and affective domain skills
 - (D) People and time management skills
6. As per Key Concepts of Cognitive Theory, Three-Stage Information Processing Model does not include the following.
 - (A) Memory Register
 - (B) Sensory Register
 - (C) Short Term Memory
 - (D) Long Term Memory & Storage
7. Self-actualization means
 - (A) Self-motivated
 - (B) When all your needs are met and you've become the best you can.
 - (C) When you know your strengths and weaknesses.
 - (D) When you are aware about the actual meaning of learning.

8. What is/are at the center of humanism psychology?
 (A) Motivation
 (B) Intelligence Quotient
 (C) Emotions
 (D) All of above
9. In Humanistic learning ----- are encouraged to take control over the education of the students.
 (A) Teachers
 (B) Students
 (C) Teachers & Students
 (D) Parents
10. "Cybernetic feedback loops involve a balance of actionable ----- feedback delivered in a timely manner;"
 (A) positive
 (B) negative
 (C) neutral
 (D) positive and negative
11. Conceptual knowledge consists of -----.
 (A) isolated bits of information, such as vocabulary definitions and knowledge about specific details
 (B) algorithms, heuristics or rules of thumb, techniques, and methods as well as knowledge about when to use these procedures.
 (C) systems of information, such as classifications and categories.
 (D) knowledge of thinking processes and information about how to manipulate these processes effectively.
12. In which part of brain, Skill memory is processed ?
 (A) prefrontal cortex.
 (B) hippocampus
 (C) Hypothalamus
 (D) cerebellum
13. Which of the following is not a phase of memory formation?
 (A) decoding
 (B) encoding
 (C) consolidation
 (D) retrieval
14. Which process can facilitate the formation of false memories and misconceptions ?
 (A) when a schema becomes too strong
 (B) when a schema becomes too weak
 (C) when a schema remains unchanged
 (D) None of these
15. Which of the following is not a valid data collection method?
 (A) Warrant Cards
 (B) Invoices
 (C) Consumer Panels
 (D) Use of Mechanical Devices
16. Respondents are shown a set of pictures and asked to describe what they think the pictures represent. This test is known as -----.
 (A) Rosenzweig Test
 (B) Rorschach Test
 (C) Holezman Inkblot Test
 (D) Thematic Apperception Test

17. The Significance level is ----- value of probability of rejecting H_0 when it is true and is usually determined in advance, while testing the hypothesis.
- (A) Nominal
(B) Minimum
(C) Maximum
(D) None of these
18. Which test we normally apply for Qualitative data?
- (A) t' test
(B) F' test
(C) χ^2 chi-square test
(D) Z' test
19. The error committed by rejecting an applicant who would have been successful on the job is called.
- (A) True negative error
(B) False negative error
(C) False positive error
(D) True positive error
20. Problem Based Learning (PBL) is related to
- (A) Taking challenges
(B) Working in co-operation with group
(C) Incredible learning
(D) Learning through known problems
21. Which of the following is an example of higher-order of cognitive learning outcome
- (A) Learning of facts and their sequences
(B) Learning roles and action sequences
(C) Learning of concepts and abstractions
(D) Learning of awareness and valuing
22. According to Bloom's taxonomy of educational objectives, lowest level of cognitive domain is
- (A) Analysis
(B) Evaluation
(C) Comprehension
(D) Knowledge
23. Decision making is a
- (A) Cognitive skill
(B) Psychomotor skill
(C) Affective domain skill
(D) Social skill
24. _____ is the degree to which a test measures what it is supposed to measure.
- (A) Validity
(B) Usability
(C) Reliability
(D) Objectivity
25. Which of the following is not the component of "Magic Triangle" of learning?
- (A) Learning Outcomes
(B) Learning Activities
(C) Learning Assessment
(D) Learning Aids

26. Which of the following is not a step / phase of Design Thinking?
- (A) Ideate
 - (B) Prospect
 - (C) Prototype
 - (D) Test
27. ----- learning experience in which the content takes between 2-10 minutes for the learner to consume.
- (A) Quick Learning
 - (B) Easy Learning
 - (C) Microlearning
 - (D) Macrolearning
28. ----- are software that has pre-programmed elements designed for developing interactive multimedia and creating digital content.
- (A) Authoring Tools
 - (B) DevOps
 - (C) Mobile Apps
 - (D) Java Scripts
29. ----- is a software system or platform where e-learning courses can be deployed, tracked, reported on, and delivered to learners.
- (A) Learning Experience Platform (LEP)
 - (B) Enterprise Resource Planning (ERP)
 - (C) Massive Open Online Courses (MOOCs)
 - (D) Learning Management System (LMS)
30. Which one of the following is not a e-learning platform
- (A) SWAYAM
 - (B) ARPIT
 - (C) NPTEL
 - (D) ALTAVISTA
31. “Tacit Knowledge” is not -----.
- (A) Explicit Knowledge
 - (B) Implicit Knowledge
 - (C) Real Knowledge
 - (D) Recent Knowledge
32. Taxonomy and Content Management is ----- stage of Knowledge Management
- (A) First
 - (B) Second
 - (C) Third
 - (D) Fourth
33. Expository teaching strategy includes
- (A) Learners are challenged with tasks slightly more difficult than they can accomplish on their own and must rely on assistance from and collaboration with others to achieve these tasks
 - (B) Teacher presents students with many examples showing how the concept is used and make them 'notice'
 - (C) Teacher gives the student a new concept, explains it, and then has the students practice using the concept
 - (D) Direct Instructions by the Teacher to the students and teacher presenting clear and concise information in a purposeful way

34. Which mode is not a part of Experiential Learning?
 (A) Theory Class
 (B) Tutorial Class
 (C) Lab Class
 (D) Industry Internship
35. Process where students mix multiple subjects or topics while they study in order to improve their learning is known as -----?
 (A) Interleaving
 (B) Blocked practice
 (C) Group Learning
 (D) Consistent Learning
36. In Cooperative Learning Strategy, the three step interview process does not include the following role?
 (A) Interviewer,
 (B) Interviewee
 (C) Notetaker.
 (D) Learner
37. The muddiest point technique of learning means
 (A) asking students to write notes on their most favourite element of a given homework assignment, lecture, or class discussion.
 (B) asking students to write notes on the most easy element of a given homework assignment, lecture, or class discussion.
 (C) asking students to write notes on the most unclear or most confusing element of a given homework assignment, lecture, or class discussion.
 (D) None of the above
38. Combining verbal representations of information (words) with visual representations of information (pictures/diagrams) is known as
 (A) Twinning
 (B) Dual Coding
 (C) Infographics
 (D) None of the above
39. Which one of these is not the essential building block of online learning?
 (A) motivation
 (B) meaningful content
 (C) memorable interactivity
 (D) Engaging assignments
40. Which of the following are not the basic functions of evaluation which is required to be practiced for pupil and his learning processes ?
 (A) Diagnostic Functions
 (B) Predictive functions
 (C) Motivation Functions
 (D) Supporting Functions
41. ----- is used to monitor the learning progress of students during the period of instruction.
 (A) Formative Evaluation
 (B) Summative Evaluation
 (C) Diagnostic Evaluation
 (D) Norm-referenced Evaluation

42. Which of the following indicators are not the real indicators for measuring the quality education ?
- (A) Process Indicators
 - (B) Abstract Indicators
 - (C) Outcome Indicators
 - (D) Context Indicators
43. As per NAAC, which of the following is the most significant criteria in terms of weightages/ marks
- (A) Curricular Aspects
 - (B) Teaching-Learning and Evaluation
 - (C) Research, Innovations and Extension
 - (D) Infrastructure and Learning Resources
44. The ratio of Qualitative metrics and Quantitative metrics for assessment and evaluation under NAAC in general in terms of weightages/marks is -----.
- (A) 30 : 70
 - (B) 40 : 60
 - (C) 50 : 50
 - (D) None of the above
45. Thinking tools are
- (A) Test and quiz
 - (B) Mind maps and concepts
 - (C) Rubrics and practices
 - (D) Storytelling and case study
46. Quality circle _____ job involvement
- (A) Neglects
 - (B) Demotes
 - (C) Promotes
 - (D) Neutralizes
47. Which one of following is an indicative of the quality of teaching?
- (A) Period of maintaining peace in class room
 - (B) Standard of Questions asked by the students
 - (C) Standard of answers replied
 - (D) Pass percentage of the students
48. _____ is a picture of a process that shows the sequence of steps performed.
- (A) Cause and effect diagram
 - (B) Flowchart
 - (C) Pareto diagram
 - (D) Histogram
49. Pareto analysis separates the _____ from the _____.
- (A) discrete; continuous
 - (B) vital few; trivial many
 - (C) current data; historical data
 - (D) quantitative; qualitative
50. An outline-of the topics of a subject to the covered in specific time is called:
- (A) Programme
 - (B) Syllabus
 - (C) Curriculum
 - (D) Course

PART-B
PUBLIC HEALTH

51. Secondary level prevention includes all the following except:
- (A) Health screening for Diabetes mellitus
 - (B) Case finding for Falciparum malaria
 - (C) Contact tracing for STIs
 - (D) Reconstructive surgery for leprosy
52. Which of the following is an example of Disability limitation in poliomyelitis?
- (A) Reducing occurrence of polio by immunization.
 - (B) Arranging for schooling of children suffering from PRPP
 - (C) Resting affected limbs in neutral position
 - (D) Providing calipers for walking
53. What is the new strategy, a unique concept of WHO, to provide universal coverage of rehabilitation to all segments of society?
- (A) Occupational Rehabilitation
 - (B) Medical Rehabilitation
 - (C) Community based Rehabilitation
 - (D) Institutional based Rehabilitation
54. Which of the following is also known as Retrospective study?
- (A) Case control study
 - (B) Cohort study
 - (C) Experimental study
 - (D) Descriptive study
55. Public Health Surveillance does not consist of the following step:
- (A) Planning
 - (B) Analysis
 - (C) Systematic collection
 - (D) Interpretation
56. All are true about randomized control trial except?
- (A) Baseline characteristics of intervention and control groups must be similar
 - (B) Investigator bias can be minimized by double blinding
 - (C) The sample size depends on the hypothesis tested.
 - (D) Dropouts should be excluded from the analysis

57. Which company has highest market share in patient EHR?
- (A) MEDITECH
 - (B) Evident
 - (C) Epic Systems
 - (D) Oracle Cerner
58. Gujarat Chief Minister Vijay Rupani launched 'Poshan Abhiyan', a state-wide mission to eradicate malnutrition among children and also launched PURNA project to eliminate malnutrition among girls in the age group of 14 to 18. 'PURNA' stands for-
- (A) Prevention of under nutrition and reduction of nutritional anaemia
 - (B) Prevention of under nutrition and reduction of nutritional accidents
 - (C) Prevention of under nutrition and remedy of nutritional anaemia
 - (D) None of the above
59. Number of sputum specimens collected to diagnose tuberculosis in DOTS is?
- (A) 3
 - (B) 2
 - (C) 4
 - (D) 1
60. The Greek word 'edemos', means what?
- (A) Native
 - (B) People
 - (C) Epidemiology
 - (D) All the above
61. Which term can be used for the meningococcal infection attack rate above 15 cases per 100,000 people for consecutive 2 weeks?
- (A) Epidemic
 - (B) Syndemic
 - (C) Endemic
 - (D) Pandemic
62. Which of the following is used in public health operations and research?
- (A) Molecular epidemiology
 - (B) Seroepidemiology
 - (C) Ecoepidemiology
 - (D) Geoepidemiology
63. All of the following are the determinants for the essential components to calculate the physical quality of index except:
- (A) Infant mortality rate
 - (B) Life expectancy at age one year
 - (C) Basic literacy rate in population
 - (D) Life expectancy at birth

64. Bhopal gas tragedy is an example of:
- (A) Point source epidemic
 - (B) Continuous epidemic
 - (C) Propagated epidemic
 - (D) Slow epidemic
65. ----- are quality assurance and quality management standards
- (A) ISO 22000
 - (B) ISO 9000
 - (C) ISO 14000
 - (D) None of the above
66. Regarding International classification of disease, untrue is:
- (A) Revised every 10 years
 - (B) 10th revision has 15 major chapters
 - (C) Is base for use in other health fields
 - (D) Coding system in 10th revision is alphanumerical
67. Quarantine period for yellow fever in India is:
- (A) 6 days
 - (B) 1 week
 - (C) 10 days
 - (D) 2 Weeks
68. Disease not under integrated disease surveillance project is:
- (A) TB
 - (B) Meningoencephalitis
 - (C) Cholera
 - (D) Herpes zoster
69. The Pillars of Revised National Tuberculosis Control Programme (RNTCP) are all except:
- (A) Achievement of not less than 85% cure rate amongst infectious cases of tuberculosis through short course chemotherapy involving peripheral health functionary
 - (B) Detecting 70% of estimated cases through Quality Sputum Microscopy
 - (C) Not involving NGO's in RNTCP
 - (D) Directly observed therapy (short term), is a community based TB treatment and care strategy
70. OPV vaccine type:
- (A) Killed
 - (B) Live
 - (C) Toxoid
 - (D) None

71. Which award has been launched by the Union Minister for Health and Family Welfare, Shri J.P. Nadda to public health facilities on 15th May 2015?
- (A) m-Swasthya Award
 - (B) e-medicines Award
 - (C) Kayakalp Award
 - (D) MedAid Award
72. Under National Rural Health mission who will be the link person between community and health care services?
- (A) Anganwadi worker
 - (B) TBA
 - (C) ASHA
 - (D) ANM
73. Most sensitive indicator of Hypothyroidism in a community is:
- (A) T4
 - (B) Neonatal hypothyroidism
 - (C) TSH
 - (D) Median urinary iodine excretion
74. Population explosion is defined as population growth rate of more than _____ per year.
- (A) 2.0
 - (B) 1.75
 - (C) 1.8
 - (D) 1.5
75. WHO defines adolescent age between:
- (A) 10-19 years of age
 - (B) 10-14 years of age
 - (C) 10-25 years of age
 - (D) 9-14 years of age
76. National family health survey is done every?
- (A) 6 months
 - (B) 1 year
 - (C) 5 years
 - (D) 10 years
77. Oral contraceptives cause all side effects except:
- (A) Monilial vaginitis
 - (B) Pituitary adenoma
 - (C) Ca uterus
 - (D) None
78. Tubal block constitutes what proportion of female in-fertility?
- (A) 5-7%
 - (B) 15-20%
 - (C) 30-35%
 - (D) 90-05%

79. Yuzpe and Lancer Method is used for:
- (A) Sterilization with 'No Scalpel Technique'
 - (B) Emergency contraception with OCPs
 - (C) Emergency contraception with IUDs
 - (D) Evaluation of newer contraceptives
80. Pearl index is defined as:
- (A) Accidental pregnancies per 1000 women-years of exposure
 - (B) Accidental pregnancies per 100 women-years of exposure
 - (C) Accidental pregnancies per 10 women-years of exposure
 - (D) Accidental pregnancies per women-years of exposure
81. Best indicator of fertility:
- (A) CBR
 - (B) TFR
 - (C) NRR
 - (D) GRR
82. Measles vaccination campaign between 9-14 years age for elimination is:
- (A) Keep up
 - (B) Follow up
 - (C) Mop up
 - (D) Catch up
83. Incubation period of Mumps is:
- (A) 7 days
 - (B) 10 days
 - (C) 14 days
 - (D) 18 days
84. Which of the following lead to an outbreak of Influenza in China in 2013?
- (A) H1N1
 - (B) H3N2
 - (C) H2N2
 - (D) H7N9
85. Positive Schick test indicates:
- (A) Immunity to diphtheria
 - (B) Susceptibility to diphtheria
 - (C) Hypersensitivity to diphtheria
 - (D) Infection with diphtheria
86. Post coital contraceptives are all except:
- (A) Norgestrel
 - (B) OCPs
 - (C) RU-486
 - (D) Copper-T

87. Population of a village on 1st June 2007 is 16,500. Since 1st January 2007, 22 new cases of TB were detected. Total registered cases were 220. What is the incidence of TB?
- (A) 133 per 1,00,000
 - (B) 121 per 1,00,000
 - (C) 111 per 1,00,000
 - (D) 100 per 1,00,000
88. In oral rehydration solution least amount is of:
- (A) Sodium citrate
 - (B) Potassium chloride
 - (C) Sodium chloride
 - (D) Glucose
89. Cluster detecting technique is used for detecting cases of :
- (A) STD
 - (B) Cancer
 - (C) Diabetes
 - (D) Measles
90. Which one of the following arbo-viral diseases has not been reported in India?
- (A) Japanese encephalitis
 - (B) Yellow fever
 - (C) Chikungunya fever
 - (D) Kyasanur forest disease
91. The daily extra calorie requirement in first trimester of pregnancy is:
- (A) 50
 - (B) 150
 - (C) 350
 - (D) 450
92. Under National Programme for Prevention of Nutritional Blindness, a child in the age group of 6-11 months is given a mega dose of vitamin A equal to:
- (A) 50,000 IU
 - (B) 1 Lakh IU
 - (C) 1.5 Lakh IU
 - (D) 2 Lakh IU
93. Vitamin A deficiency can cause all of the following except:
- (A) Night blindness
 - (A) Seborrheic dermatitis
 - (C) Respiratory infection
 - (D) Bitot spots
94. Chi-square test is used to measure the degree of:
- (A) Significance of difference between two proportions
 - (B) Association between two variables
 - (C) Correlation between two variables
 - (D) Agreement between two observations

95. IQ = 51 is :
- (A) Mild MR
 - (B) Moderate MR
 - (C) Severe MR
 - (D) Profound MR
96. Which is the best method to compare the results obtained by a new test and a gold standard test?
- (A) Correlation study
 - (B) Regression study
 - (C) Bland and Altman analysis
 - (D) Kolmogorov-Smirnov test
97. Temporary hardness of water is due to presence of:
- (A) Bicarbonates of calcium and magnesium
 - (B) Chlorides of calcium and magnesium
 - (C) Nitrates of calcium and magnesium
 - (D) Oxides of calcium and magnesium
98. ANOVA is used:
- (A) To compare means in 2 groups
 - (B) To compare means in 3 or more groups
 - (C) To compare means in 1 group before and after intervention
 - (D) To find correlation
99. The biological oxygen demand (BOD) indicates:
- (A) Organic matter
 - (B) Bacterial content
 - (C) Anaerobic bacteria
 - (D) Chemicals
100. 'Z score' is for which type of distribution?
- (A) Normal
 - (B) Binomial
 - (C) t-distribution
 - (D) Chi-square

ROUGH WORK