

ENTRANCE EXAMINATION FOR ADMISSION, MAY 2012.

Ph.D. (EDUCATION)

COURSE CODE : 151

Register Number :

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*Signature of the Invigilator*  
*(with date)*

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COURSE CODE : 151

Time : 2 Hours

Max : 400 Marks

*Instructions to Candidates :*

1. Write your Register Number within the box provided on the top of this page and fill in the page 1 of the answer sheet using pen.
2. Do not write your name anywhere in this booklet or answer sheet. Violation of this entails disqualification.
3. Read each of the question carefully and shade the relevant answer (A) or (B) or (C) or (D) in the relevant box of the ANSWER SHEET using HB pencil.
4. Avoid blind guessing. A wrong answer will fetch you -1 mark and the correct answer will fetch 4 marks.
5. Do not write anything in the question paper. Use the white sheets attached at the end for rough works.
6. Do not open the question paper until the start signal is given.
7. Do not attempt to answer after stop signal is given. Any such attempt will disqualify your candidature.
8. On stop signal, keep the question paper and the answer sheet on your table and wait for the invigilator to collect them.
9. Uses of Calculators, Tables, etc. are prohibited.

1. In philosophical researches, the nature of the data will be
  - (A) Only quantitative
  - (B) Only qualitative
  - (C) Both quantitative and qualitative
  - (D) None of the given options are correct
  
2. The objective of the research is to study the effect of strategies of developing creativity, Birth order and their interaction on creativity or Class IX students. Then the most appropriate Method of Research is
  - (A) Philosophical Method
  - (B) Historical Method
  - (C) Experimental Method
  - (D) Survey Method
  
3. In which kind of research manipulation of variables is NOT necessary?
  - (A) Ethnographic Research
  - (B) Action Research
  - (C) Experimental Research
  - (D) Causal comparative Research
  
4. Internal validity of a research refers to
  - (A) Generalizability of the findings
  - (B) Replicability of the findings
  - (C) Applicability of the findings
  - (D) Interpretability of findings
  
5. In Historical Research, external criticism refers to
  - (A) Criticism of source of data
  - (B) Criticism of data
  - (C) Criticism of interpretation of data
  - (D) None of the given options are correct
  
6. What is the main defect of pre or quasi experimental studies?
  - (A) Lack of external validity
  - (B) Lack of internal validity
  - (C) Lack of reliability
  - (D) Lack of objectivity
  
7. A teacher has systematically studied the reasons for not understanding decimals by her/his students. This type of research is called as
  - (A) Quantitative research
  - (B) Action research
  - (C) Applied research
  - (D) Fundamental research

8. The mean computed for data collected from the entire population is called:
- (A) Statistic (B) Non-parameter (C) Parametric (D) Parameter
9. 'Downward filtration theory' was proposed by
- (A) Wood's dispatch (B) Macaulay minutes  
(C) Hunter commission (D) Sadler commission
10. According to National Curriculum Framework, 2005, which of the following is NOT a paradigm shift
- (A) From teacher-centric to learner-centric  
(B) From teacher directions to learner autonomy  
(C) From teacher guidance to facilitation of learning  
(D) From knowledge construction to acquisition of fixed knowledge
11. Expert sampling is also known as
- (A) Parametric sampling (B) Incidental sampling  
(C) Quota sampling (D) Purposive sampling
12. The value of reliability coefficient
- (A) is always positive (B) can be positive  
(C) can be negative (D) all the given options are correct
13. While doing item analysis in developing an attitude scale, the researcher has to
- (A) Calculate discrimination index  
(B) Calculate difficulty value  
(C) Calculate both difficulty value as well as discrimination index  
(D) Neither calculate difficulty value nor discrimination index
14. Among the following psychologists who was possibly the first to emphasize the cognitive or knowing aspects of human existence?
- (A) Carl Rogers (B) George Kelley  
(C) Karen Horney (D) Erich Fromm
15. Which one of the following is NOT an appropriate reason for the use of interview technique in research?
- (A) Written communication can be defective  
(B) Oral communication is necessary  
(C) People prefer to talk rather than to write  
(D) None of the given options are correct

16. The selection of tool for research is a part of
- (A) Data Collection (B) Identification of Problem  
(C) Statement of Hypothesis (D) Data Analysis
17. A researcher intends to compare self concept of rural students with that of urban students of Class X studying in Private Schools. Which of the following is a variable?
- (A) Rural students  
(B) Private schools  
(C) Urban students  
(D) None of the given options are correct
18. Which of the following is the most appropriate series for a variable measured on Interval Scale
- (A) Continuous series (B) Discontinuous series  
(C) Discrete series (D) All the given options are correct
19. When the variable is measured on ordinal scale, in order to test whether two independent samples come from same population, one can use
- (A) ANOVA (B) Mann Whitney U-test  
(C) t-test (D) Walsh test
20. Delimitation in research report refers to
- (A) Limiting the scope of the problem of research  
(B) Limitations of the researcher in studying the problem  
(C) Defining the research problem  
(D) All the given options are correct
21. The aim of MLL strategy is
- (A) To ensure achievement of at least minimum levels of competencies among all students  
(B) To maximise the levels of learning among all the students  
(C) To achieve mastery in learning levels among all the students  
(D) To achieve maximum learning among majority of students
22. Which of the following is Discrete variable?
- (A) Age (B) Height  
(C) Locality (D) Attitude Toward Science

23. If a researcher rejects a null hypothesis, then directional hypothesis
- (A) is rejected (B) is not rejected  
(C) remains unaffected (D) none of the given options are correct
24. Classification of students according to their gender status and caste status represents an instance of
- (A) Ordinal scale (B) Ratio scale (C) Nominal scale (D) Interval scale
25. Level of significance indicates
- (A) precision of measuring tool (B) type of hypothesis  
(C) nature of distribution (D) error tolerance
26. The school of psychology which concentrates on objectively observable behaviour is
- (A) Gestalt (B) Behaviourism (C) Psycho-analysis (D) Humanism
27. According to Kohlberg, moral judgement of children depends on
- (A) intellectual development of the child (B) parents  
(C) society (D) friends
28. Different ways of Perceiving and organising information is known as
- (A) Learning (B) Insight  
(C) Introspection (D) Cognitive style
29. Who emphasised the importance of understanding the influence of inner mechanisms in the behaviour of an organism?
- (A) Hull (B) Skinner (C) Pavlov (D) Thorndike
30. According to Allport, the basic unit of personality, is
- (A) Type (B) Trait (C) Cognition (D) Emotion
31. 'Think of as many uses as Possible for a brick'. This test item measures
- (A) Intelligence (B) Creativity (C) Attitude (D) Aptitude
32. According to Piaget, awareness of self develops at
- (A) Sensory motor stage (B) Pre-operational stage  
(C) Concrete operational stage (D) Formal Operational stage

33. Which is the central concept of cognitive theories of learning?  
 (A) Reinforcement (B) Drive reduction  
 (C) Structuring of learning Situation (D) Modelling
34. The psychological condition which results from inability to choose between alternate goals is called  
 (A) Stress (B) Frustration (C) Conflict (D) Anxiety
35. 'Forgetting' resulting from interference of earlier learnt material with later learnt material is known as  
 (A) Inhibition (B) Retro-active inhibition  
 (C) Simultaneous inhibition (D) Pro-active inhibition
36. Which technique was developed by Moreno to analyse group structure and interaction?  
 (A) Behaviour Therapy (B) Psychometry  
 (C) Sociometry (D) Psycho-drama
37. The overall affective condition in a classroom is termed as  
 (A) Cognitive social climate (B) Cognitive emotional climate  
 (C) Social-emotional climate (D) Emotional-Moral climate
38. Which of the following is a concept of Gestalt theory of Learning?  
 (A) Reinforcement (B) Modelling  
 (C) Structuring (D) Contiguity
39. Which would be an appropriate approach to study the reasons for differences in achievement motivation between normal and underachievers of mathematics?  
 (A) Sample survey (B) Casual comparative  
 (C) Experiment (D) Case study
40. 'Triangulation' in research means  
 (A) Synthesizing research findings from three different Perspectives  
 (B) Quantitative aggregation of many research findings  
 (C) Use of combined quantitative and qualitative approaches to solve a research problem  
 (D) Interaction effect of three independent variables on a dependent Variable

41. The Principle of experimental design is
- (A) To only maximise treatment variance
  - (B) To only minimise treatment variance
  - (C) To maximise treatment variance and minimise error variance
  - (D) To minimise error variance
42. Which among the following is the highest level of significance:0.01, 0.002,0.05,0.001?
- (A) 0.01
  - (B) 0.002
  - (C) 0.05
  - (D) 0.001
43. Programmed Learning technique emerged from
- (A) Action research
  - (B) Fundamental research
  - (C) Experimental research
  - (D) Applied research
44. According to Adler, Creative self is responsible for
- (A) Shaping one's style of life
  - (B) Intelligence
  - (C) Creativity
  - (D) Self Concept
45. Who is the author of the celebrated book 'Deschooling society'?
- (A) Ivan Illich
  - (B) Pierre Bourdieu
  - (C) Antonio Gramsci
  - (D) Emile Durkheim
46. Ravi is working as a peon in a school. He is doing a course in business management to become a marketing manager. This process is an attempt for
- (A) Educational attainment
  - (B) Educational mobility
  - (C) Social equality
  - (D) Educational progress
47. Which of the following CANNOT be classified under software of educational technology?
- (A) A Radio-broadcast
  - (B) Tape recorder
  - (C) A TV telecast
  - (D) Programmed instructional material
48. Parliament in India by law can include or exclude any group from the list of scheduled castes by Article
- (A) Article 341(2)
  - (B) Article 342(2)
  - (C) Article 343(2)
  - (D) Article 344(4)

49. A baby dies within the first four weeks of life. This instance can be classified under  
 (A) Mortality (B) Neonatal mortality  
 (C) Post-neonatal mortality (D) Infant Mortality
50. A process in which members of one cultural group adopts the beliefs and the behaviours of another cultural group is known as  
 (A) Enculturation (B) Acculturation  
 (C) Deculturation (D) Transculturation
51. Who is considered to be responsible for emergence of the discipline 'Sociology of education'?  
 (A) Max Weber (B) Talcott Parsons  
 (C) August Comte (D) Emile Durkheim
52. Who devised the social distance scale?  
 (A) Thurstone (B) Likert (C) Guttman (D) Bogardus
53. An unconscious process by which a new born child learns values, beliefs, rules and regulations of society is known as  
 (A) Enculturation (B) Socialization (C) Acculturation (D) Assimilation
54. The Article of the Constitution of India which prohibits discrimination based on religion, race, caste, sex, and place of birth is  
 (A) Article 46 (B) Article 330 (C) Article 340 (D) Article 15
55. The Indian approach to planning is  
 (A) Democratic (B) Totalitarian (C) Communistic (D) Dictatorial
56. India has embarked on the process of  
 (A) A totally capitalist path of economic development  
 (B) A communist path of economic development  
 (C) A socialist path of mixed economy  
 (D) A bureaucratic path of economic development
57. A descriptive approach to research that focuses on life within a group is  
 (A) Ethnography (B) Participant observation  
 (C) Group observation (D) Interactionism



58. The percentage of reservation for women in Panchayat Raj institutions is  
(A) 33 (B) 40 (C) 50 (D) 10
59. Pragmatic education says  
(A) Self-realisation is the aim of education  
(B) Education is for character development  
(C) Education is a social necessity  
(D) Knowledge from books is not so significant
60. Special responsibility for education of the weaker sections is one among the main concerns of  
(A) State Government only  
(B) Local Bodies  
(C) Both State and Central Governments  
(D) Central Government only
61. Self questioning technique is a step towards  
(A) Cognition (B) Knowledge development  
(C) Educational development (D) Meta cognition
62. The branch of science that talks about the role of society and culture in influencing the development of personality is  
(A) Indian psychology (B) Social psychology  
(C) Developmental psychology (D) Socio dynamics
63. Suppose a researcher measured achievement of students of one school and intelligence of students of another school. He calculated correlation between intelligence and achievement and the correlation coefficient was found to be 0.8. What does it mean?  
(A) It does not mean anything  
(B) As intelligence increases, achievement also increases  
(C) As intelligence decreases achievement also decreases  
(D) Intelligence and achievement are positively correlated

64. If the measurement of one variable is on interval scale and other on ordinal scale, then correlation can be computed with the help of
- (A) Rank Difference Correlation
  - (B) Product Moment Correlation
  - (C) Point Biserial Correlation
  - (D) None of the given options are correct
65. Whenever a researcher analyses the data with the help of t-test, t-value
- (A) is always positive
  - (B) may be positive
  - (C) may be negative
  - (D) is always negative.
66. Which of the following is NOT a Central Tendency?
- (A) Median
  - (B) Mode
  - (C) Quartile deviation
  - (D) Mean
67. Type II error means
- (A) Reject null hypothesis, when there is no true difference
  - (B) Accept null hypothesis, when there is true difference
  - (C) Accept null hypothesis, when there is no true difference
  - (D) Reject null hypothesis, when there is true difference
68. What is the percentile rank of a student who has secured 5th rank in a class of 15?
- (A) 30
  - (B) 70
  - (C) 75
  - (D) 95
69. Non parametric test generally does NOT require the assumption of
- (A) Measurement on interval or higher scale
  - (B) Continuity of the variable
  - (C) Normalcy, of distribution
  - (D) All the given options are correct
70. In case of Nominal Data, the most appropriate graphical representation would be through
- (A) Bar diagram
  - (B) Frequency polygon
  - (C) Histogram
  - (D) Cumulative frequency curve

71. Answering the research question, "Does gender of teachers coupled with their locality have any influence on the achievement in Science of students?" would involve use of
- (A) One-way ANOVA (B) Two-way ANOVA  
(C) Three-way ANOVA (D) None of the given options are correct
72. Below are given frequencies in three equal subgroups of a distribution each from left to right. Which one is the normal distribution if N in each case is 1000?
- (A) 100, 800, 100 (B) 160, 680, 160 (C) 300, 300, 400 (D) 450, 350, 200
73. Which statement does NOT hold good for measurement on interval scale if three observations, namely, 25, 50 and 75 are given?
- (A) The difference between second and first observations is 25  
(B) The difference between third and second observations is 25  
(C) The second observation is double the first observation  
(D) All the given options are correct
74. Which of the following technique can be used to analyse qualitative data?
- (A) SWOT Analysis  
(B) Mann Whitney U-Test  
(C) Sign Test  
(D) All the given options are correct
75. The end process in the sequence of information processing is
- (A) Encoding (B) Registration  
(C) Retrieval (D) Retention
76. The type of learning explained by Bandura is known as
- (A) Insight learning (B) Observational learning  
(C) Sign learning (D) Verbal learning
77. The approach which studies personality in terms of deeper motivational aspects is known as
- (A) Trait approach (B) Social approach  
(C) Type approach (D) Projective approach

78. A graduate receives appointment letters from two equally good and reputed companies. He/She is unable to decide which one to choose, hence he/she is in a conflict. Which type of conflict the graduate is experiencing?
- (A) Approach – Avoidance (B) Double approach – Avoidance  
(C) Avoidance – Avoidance (D) Approach – Approach
79. A researcher intends to ascertain the significance of difference between means of two randomly selected independent samples on a particular test. He should compute
- (A) Chi- Square value (B) t-ratio  
(C) Product moment of correlation (D) Kurtosis
80. Which of the following attitude of a teacher is desirable?
- (A) Teacher knows everything and it is for students to learn from him  
(B) Both teacher and students can learn from each other  
(C) Nowadays, students know everything and there is nothing a teacher can teach  
(D) Teacher makes sure of what students know and teaches what they do not know
81. Which of the following is NOT associated with Freudian Psychology?
- (A) Eros (B) Thanatos (C) Libido (D) Archetype
82. Which one of the following factors does NOT resist the social change?
- (A) Cultural inertia (B) Fear of new things  
(C) Vested interests (D) Economic status
83. Every individual has an equal chance of being selected by the method
- (A) Quota sampling (B) Purposive sampling  
(C) Non-probability sampling (D) Probability sampling
84. John Dewey was a/an
- (A) Idealist (B) Pragmatist (C) Realist (D) Existentialist
85. Identify the most inclusive statement about the purpose of psychology
- (A) Psychology is intended to study brain functions  
(B) Psychology aims to predict behaviour  
(C) Psychology investigates into the nature of consciousness  
(D) Psychology aims to analyse and predict behaviour of organisms

86. What is the reaction of a one and a half year old child when he sees the snake for the first time?
- (A) Screams "snake!"  
 (B) Exhibits curiosity and moves towards it  
 (C) Calls mother for help  
 (D) Moves away from it
87. 'A poet's School' is written by
- (A) Sri Aurobindo (B) Rousseau  
 (C) Tagore (D) Dr. S. Radhakrishnan
88. Pragmatic philosophy advocates
- (A) Lecture method (B) Learning by direct experience  
 (C) Socialised techniques (D) Play-way method
89. World's largest digital library of education literature is
- (A) ERIC (B) Wikipedia (C) Google (D) School fusion
90. A cultural heritage shared by a group of people is referred to as
- (A) Ethnicity (B) Race (C) Caste (D) Minority
91. Which of the following is NOT the characteristic of the primary social group
- (A) it is generally of a small size  
 (B) there is no specialization of functions among members  
 (C) informal social interaction  
 (D) there is a fixed hierarchy of authority
92. Which one is NOT the principle of preparing programme learning material in linear style?
- (A) Knowledge of results  
 (B) Small steps  
 (C) Providing opportunities for making more errors so that they can be corrected  
 (D) Taking care to see that minimum errors are made by learners
93. Which of the techniques is NOT useful for the education of the gifted?
- (A) Acceleration (B) Homogeneous grouping  
 (C) Remedial teaching (D) Enrichment programme

94. Which of the following famous psychiatrists has given emphasis to social environment and cultural factors in the development of personality?  
(A) Karen Horney (B) Jung  
(C) George Kelley (D) Adler
95. Statistical hypothesis is NOT usually used in  
(A) Experimental research  
(B) Ex-facto-research  
(C) Evaluative research  
(D) Descriptive research
96. Sri Aurobindo's philosophy gives importance place to  
(A) Humanity (B) Individual  
(C) Nation (D) All of the above
97. Which one of the following is NOT the principle underlying the Wardha scheme of basic national education?  
(A) All education should be imparted through the mother tongue of the child  
(B) Children should not be compelled to learn anything  
(C) English has no place in the syllabus  
(D) Girls and boys should be taught together
98. Providing equality of educational opportunity means  
(A) All are to be give same kind of education  
(B) Only merit should be the basis for education  
(C) No discrimination should be made with respect to giving educational opportunities on any ground  
(D) Discrimination should be made on justifiable grounds
99. The purpose of showing television programmes on different aspects of different cultures in our country is  
(A) To make programmes interesting (B) To provide variety in programmes  
(C) To cater to all types of audience (D) To promote national integration
100. Industrialisation and urbanisation have made the following content to be introduced at all levels of education  
(A) Industrialisation and its consequences  
(B) Urbanisation and its consequences  
(C) Population education  
(D) Environmental education