

ENTRANCE EXAMINATION FOR ADMISSION, MAY 2010.

Ph.D. (EDUCATION)

COURSE CODE : 151



Register Number :

*Signature of the Invigilator
(with date)*

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 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. Use of Calculators, Tables, etc. are prohibited.

1. Which of the following is a Quasi-Experimental Design?
 - (A) Post-test only Control Group Design
 - (B) Case Study
 - (C) Time Series Design.
 - (D) Pro-test-Post-test Single Group Design

2. The objective of a research study is to compare use of Programmed Learning Material with Advance Organizer Model in terms of achievement of Class XII students. In this research, the independent variable is
 - (A) Methods of Instruction
 - (B) Programmed Learning Material
 - (C) Advance Organizer Model
 - (D) None of the given options are correct

3. "An analytical study of the concept of equality of educational opportunity". It is an example of

(A) Philosophical Research	(B) Survey Research
(C) Ex-post Facto Research	(D) Experimental Research.

4. The type of research which studies the present status is

(A) Experimental Research	(B) Ex-post Facto Research
(C) Historical Research	(D) Descriptive Survey Research.

5. In Historical Research, internal criticism refers to

(A) Authenticity	(B) Accuracy
(C) Sensitivity	(D) Objectivity

6. In case of Random Sampling Method, the chances for every subject getting included in the sample is
 - (A) Unpredictable
 - (B) Same
 - (C) Different
 - (D) None of the given options are correct

7. The standard error of difference between two large sample means is 5. What should be the minimum difference so as to be significant at 0.05 level?

(A) 9.8	(B) 1.96	(C) 2.58	(D) 8.9
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8. Survey which does not require sampling is called
 (A) sample survey
 (B) status survey
 (C) census survey
 (D) none of the given options are correct
9. The main difference between a test and an inventory is that in a test
 (A) the response is always right
 (B) the response is always wrong
 (C) the response can be right or wrong
 (D) none of the given options are correct.
10. The objective of Sociometry is to study:
 (A) Social distance (B) Group cohesiveness
 (C) Interaction pattern (D) All the given options are correct
11. Data generated by which of the following tool may NOT be amenable to parametric tests?
 (A) Rating scale (B) Open-ended questionnaire
 (C) Achievement test (D) All the given options are correct
12. Correlation is used for finding out
 (A) Reliability of the test (B) Validity of the test
 (C) Predictability of success in a field (D) All the given options are correct
13. The selection of Statistical Technique will be the part of
 (A) Identification of Problem (B) Data Collection
 (C) Data Analysis (D) Statement of Hypothesis
14. Exceptional progress by a student as a result of high teacher expectations for that student can be referred as
 (A) Pygmalian effect (B) Halo effect
 (C) Giftedness (D) Exceptional progress
15. The proposed draft bill is concerned with probable replacement of AICTE and NCTE with
 (A) NCHER (B) NCHEC (C) NKC (D) NCERT
16. Who is the chairman of the National Advisory Committee which submitted a report titled 'Learning without burden'?
 (A) Acharya Ramurthy (B) Prof. Krishnakumar
 (C) Prof. Yash Pal (D) Dr. Malcolm Adisheshaiah

17. Which statement is incorrect?
- (A) Dichotomous variables are discontinuous
 - (B) Discontinuous variables can be dichotomized
 - (C) Discontinuous variables are dichotomous
 - (D) Continuous variables can be dichotomized
18. Which of the following requires the assumption of natural dichotomy with regard to one of the variables?
- (A) Pearson
 - (B) Spearman Rho
 - (C) Point-Biserial correlation
 - (D) All the given options are correct
19. The variable 'methods of developing creativity' is
- (A) continuous but measured on Ordinal Scale
 - (B) continuous but measured on Nominal Scale
 - (C) discontinuous but measured on Ordinal Scale
 - (D) discontinuous but measured on Nominal Scale
20. The assumption of linear relationship does not hold for
- (A) age and number of deaths
 - (B) achievement and motivation
 - (C) achievement and study hours
 - (D) aptitude and job success
21. For each educational research problem
- (A) there is only one solution
 - (B) there may be more than one solution
 - (C) there may not be any solution
 - (D) all the given options are correct
22. If a researcher rejects directional hypothesis, then null hypothesis
- (A) remains unaffected
 - (B) is rejected
 - (C) is not rejected
 - (D) none of the given options are correct
23. The value calculated by a two-tailed test can be compared with table value of one-tailed test if
- (A) table value is doubled
 - (B) table value is taken as such
 - (C) table value is halved
 - (D) none of the given options are correct

24. At which level of significance a null hypothesis is least likely to be rejected?
 (A) 0.1 (B) 0.05 (C) 0.002 (D) 0.001
25. Which one of the following is NOT the aim of education according to Swami Vivekananda?
 (A) Education for character building
 (B) Education for vocational sufficiency
 (C) Education for serving humanity
 (D) Education for spiritual development
26. What do you call a student who suggests a title to a story is different from other's suggestion?
 (A) Creative Student (B) Slow learner
 (C) Brilliant student (D) Intelligent student
27. Who among the following stressed the importance of first five years as critical in personality development?
 (A) Sigmund Frued (B) Cattell
 (C) Jean Piaget (D) C.G. Jung
28. Process of thinking and regulating one's own thinking process can be called as
 (A) Problem solving (B) Meta Cognition
 (C) Scaffolding (D) Critical thinking
29. Which psychologist proposed theory of purposive behaviourism to explain how learning takes place?
 (A) Tolman (B) Yerkes (C) Wertheimer (D) Guthrie
30. The human mind's activity of taking-in, storing, and using information is known as
 (A) Scaffolding (B) Information processing
 (C) Perception (D) Critical thinking
31. An animal trainer has to train a dog to show complex behaviour pattern. Which of the following type of learning has to take place?
 (A) Classical conditioning (B) Observational learning
 (C) Insight learning (D) Operant conditioning

32. Which is the correct sequence of memorising?
(A) Learning, Recognition, Recall, Retention
(B) Recognition, Recall, Learning, Retention
(C) Learning, Retention, Recall, Recognition
(D) Learning, Recall, Retention Recognition
33. The member in a group who receives highest number of preferences is known as
(A) Isolate (B) Popular (C) Star (D) Rejectee
34. Which statement is NOT true in the case of attitude?
(A) They are emotional in nature (B) They vary in their intensity
(C) They are determined by heredity (D) They vary in their direction
35. Abraham Maslow has given a model to explain the nature of
(A) Achievement (B) Interest (C) Motivation (D) Values
36. Which of the following conditions leads to frustration?
(A) When there is impending danger
(B) When the effort to reach a goal is thwarted
(C) When it is not possible to take a decision
(D) When there is emotional imbalance
37. A null hypothesis was not rejected at 0.05 level of significance. The probability of occurrence by chance of the same observation is
(A) Less than 5 in 100 (B) More than 5 in 100
(C) 5 in hundred or more (D) 5 in 100 or less.
38. For studying the effectiveness of computer aided instruction, the most appropriate method of research is
(A) Ex-post facto (B) Descriptive survey
(C) Experimental (D) Historical
39. A school Principal wants to know the day when majority of students were absent For this he will have to calculate:
(A) Mean (B) Standard deviation
(C) Median (D) Mode

40. In hypothesis testing, type I error increases by
(A) Decreasing level of significance (B) Increasing level of significance
(C) Fixing a specific level of significance (D) All of the above
41. Which of the following conditions make it necessary to compute Spearman's Rho?
(A) Both the variables are normally distributed
(B) Both the variables are on a nominal scale
(C) The regression between the two variables is linear
(D) Both the variables are on an ordinal scale
42. Lack of consistency in research findings amounts to
(A) Lack of reliability (B) Lack of validity
(C) Lack of both reliability and validity (D) Lack of sensitivity
43. Stagnation in Education means
(A) Teachers don't know refresh knowledge
(B) Curriculum is outdated
(C) Teaching methods out-dated
(D) Children do not progress from class year by year
44. Under which act, a person can be punished for not furnishing census data?
(A) Census act of 1881 (B) Census act of 1975
(C) Census act of 1948 (D) Census act of 1977
45. The group tries to prohibit actions that it considers undesirable. This process is called
(A) Social Change (B) Social development
(C) Social balance (D) Social control
46. The progressive education movement that started in the beginning of this century emphasizes:
(A) The socialistic approach to education
(B) The moralistic attitude of behaviour
(C) The problem solving attitude of mind
(D) The individualistic approach to education

47. An enhanced political participation of women in India was made possible by
- (A) 10% representation of women in parliament
 - (B) 50% reservation of women in Panchayat Raj institutions
 - (C) Women empowerment through microfinance
 - (D) More access to higher education
48. Which commission of 1984 insisted that radical steps are required in teacher education, to reverse the recent trend of dilution of professional norms?
- (A) Malcolm Adhiseshaiah commission
 - (B) Chattopadhyaya commission
 - (C) A.L. Mudaliar commission
 - (D) Kothari commission
49. In order to analyse data using chi-square test, the measurement of the variables should be on
- (A) Nominal scale
 - (B) Ratio scale
 - (C) Interval scale
 - (D) Ordinal scale
50. Provision of reservation in the field of education is to
- (A) Assist lower strata to rise to the level higher strata of society
 - (B) To capitalize votes of lower castes during election
 - (C) To categorize people of certain castes as economically disadvantaged
 - (D) To subsidise education based on the merit of the students
51. Which of the following is a measure of dispersion?
- (A) Range
 - (B) Q
 - (C) CV
 - (D) All the given options are correct.
52. Which of the following is a wrong statement?
- (A) Continuous variables can be made constant
 - (B) Continuous variables can be made discontinuous
 - (C) Dichotomous variables can be made continuous
 - (D) Discontinuous variables can be dichotomized
53. Variables X and Y have high negative correlation. Also variables Y and Z have high negative correlation. Variables X and Z would be
- (A) Positively correlated
 - (B) Negatively correlated
 - (C) Uncorrelated
 - (D) Identical

54. Which of the following coefficient of correlation indicates weakest correlation between two variables?
(A) -0.8 (B) 0.2 (C) 0.6 (D) -0.1
55. Aim of psychology is appropriately considered as study of
(A) Study of development (B) Study of behaviour
(C) Study of Human nature (D) Study of Children
56. Which of the following approaches to the study of personality emphasises unconscious motivation?
(A) Sociological approach (B) Trait approach
(C) Projective approach (D) Type approach
57. Analytical school of Philosophy was propounded by
(A) Theodor Brameld (B) Vygotsky
(C) Bertrand Russell (D) R.S. Peters
58. The Vedas teach us that
(A) Creation is without beginning
(B) Creation is without an end
(C) Creation is without a beginning and without an end
(D) Creation has a definite beginning and also an end
59. Defence mechanism is
(A) Conscious behaviour
(B) Shifting one's responsibility
(C) A means of defending arguments
(D) A shield that protects one's personality
60. Who is the chairman of National knowledge Commission?
(A) Sam Petroda (B) Prof. Yeshpal
(C) M.S. Swaminathan (D) Prof. Thorat
61. The chances for t -value to become significant will
(A) Increase with the decrease in sample size
(B) Increase with increase in the sample size
(C) Decrease with increase in the sample size
(D) None of the given options are correct

62. Which of the following behaviour is generally exhibited by an overprotected child?
 (A) Moving away from the mother (B) Becomes afraid of mother
 (C) Clinging to mother (D) Any of the above
63. What does the need for self-actualization mean?
 (A) To realise ones spiritual needs
 (B) To satisfy ones physical needs
 (C) To satisfy ones social needs
 (D) To express one's potentiality to the fullest possible extent
64. Young children are usually found to exhibit some similarity in behavioural pattern of their parents. Which learning type does this behaviour explain?
 (A) Conditioned learning (B) Association learning
 (C) Observational learning (D) Humanistic learning
65. Psycho-sexual theory of personality was proposed by
 (A) Freud (B) C.G. Jung (C) Allport (D) Cattell
66. True motivation in learning a subject is seen in a learner who is learning
 (A) For getting good marks (B) For the sake of learning
 (C) To make parents happy (D) To surpass his friends
67. Etymological meaning of sociology is
 (A) Study of Individual (B) Study of society
 (C) Study of mankind (D) Study of culture
68. Which one of the following is not a characteristic of culture?
 (A) It is cumulative (B) It becomes diffused
 (C) It is uneven in development (D) It is primarily materialistic
69. A view that emphasises the active role of the learner in building understanding and making sense of information is called
 (A) Integrated approach (B) Constructive approach
 (C) Inclusive approach (D) Comprehensive approach
70. The social mobility due to wider social changes, is called
 (A) Upward social mobility (B) Group mobility
 (C) Structural mobility (D) Horizontal mobility

71. RTI Act was passed in Parliament in
 (A) 2009 (B) 2005 (C) 2006 (D) 2008
72. Which of the following is NOT listed under 'Big five' personality?
 (A) Conscientiousness (B) Introversion
 (C) Openness (D) Neuroticism
73. Which of the following behaviour of a leader exhibits laissez-faire leadership?
 (A) Gives directions to members without explanation
 (B) Discusses problem with a group and obtains group discussion for action
 (C) Passive and never tries to influence the group members in any manner
 (D) Discusses the action to be taken but takes action whatever he thinks as right
74. Which is the highest degree of action arising out of prejudice against a social group?
 (A) Discrimination (B) Avoidance
 (C) Extermination (D) Physical attack
75. Which one of the following does not belong to group of three modes of representation as proposed by Bruner?
 (A) Enactive (B) Symbolic (C) Semantic (D) Iconic
76. Which of the following theory / theories explain the phenomenon of transfer of learning?
 (A) Transposition theory (B) Theory of identical elements
 (C) Generalisation theory (D) All of the above
77. Which of one the following is the most effective in teaching a lesson on post office?
 (A) Good explanation on post office function
 (B) Showing a picture of a post office
 (C) A documentary film on post office
 (D) Actual visit to a post office
78. According to Ericson, identity crisis happens during
 (A) Child hood (B) Adolescence (C) Old age (D) Adult
79. 'Clean Slate' principle of John Locke says that
 (A) After writing slates should be cleaned properly
 (B) Children have blank and clean mind
 (C) Importance of clean image of a teacher
 (D) Importance of slates in developing writing skills

87. Instead of expressing hostility towards one's employer, which would be dangerous, a man shows it off to his wife at home. This defence mechanism is termed as
- (A) Reaction formation (B) Projection
(C) Displacement (D) Emotional insulation
88. Level of significance indicates
- (A) Precision of measurement (B) Type of hypothesis
(C) Tolerance of error (D) Nature of distribution
89. Attitude towards teaching profession is considered to be the measurement on
- (A) Nominal scale (B) Ordinal scale
(C) Interval scale (D) Ratio scale
90. Education should be based on principles of Swadharma, Swabhava and Swadeshi, according to
- (A) Mahatma Gandhi (B) Vinobha Bhave
(C) Sri Aurobindo (D) Swami Vivekananda
91. Disintegration of joint family system in India is a result of
- (A) Cultural change (B) Cultural lag
(C) Social change (D) Social control
92. Which of the following is the concept of education proposed by Rousseau?
- (A) Education for freedom (B) Education for nationalism
(C) Education for state control (D) Education for democracy
93. The British rulers adopted 'downward filtration theory' according to which,
- (A) The masses were educated in native language
(B) The masses were educated in English language
(C) Education was limited to a small section of population via English
(D) Both (A) and (C)
94. Ensuring minimum levels of learning competencies in all children at primary stage is justified in order to
- (A) Give social justice to all children
(B) Make schools effective
(C) Make all children learn the same level
(D) Make common text books for all children

95. Consequence of expansion in educational facilities, at the same time making efforts to maintain quality in education has led to
- (A) More opportunities for politics to enter education
 - (B) Decentralisation of educational management
 - (C) More opportunities for employment of teachers
 - (D) More geographical area covered for access to education
96. A rectangular scattergram or a distribution implies
- (A) High positive correlation
 - (B) High negative correlation
 - (C) Very low positive or negative correlation
 - (D) All the given options are correct.
97. Education according to John Dewey is best described by
- (A) Preparation for life
 - (B) Getting ready to do things
 - (C) The acquisition of knowledge
 - (D) Learning by doing
98. Which of the following level of significance is the highest?
- (A) 0.003
 - (B) 0.1
 - (C) 0.08
 - (D) 0.01
99. Which of the following Articles in the Indian constitution makes provisions for the promotion of Educational and Economic interests of SC'S, ST'S and other weaker sections?
- (A) Article 46
 - (B) Article 15
 - (C) Article 373
 - (D) Article 16
100. A person wants to have a major operation for curing his disease but at the same time wants to avoid it for the fear of high risk involved. What type of mental conflict is he facing?
- (A) Approach-Avoidance
 - (B) Double approach
 - (C) Approach-Approach
 - (D) Avoidance-Avoidance