ENTRANCE EXAMINATION FOR ADMISSION, MAY 2011.
Ph.D. (APPLIED PSYCHOLOGY)
COURSE CODE : 157

Register Number: ____________________

Signature of the Invigilator
(with date)

COURSE CODE : 157

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. Law of comparative judgement was given by
   (A) Thorndike  (B) Fisher
   (C) Herbert Simon (D) Sperry

2. Herman A Witkin is associated with
   (A) psychological autopsy  (B) psychological profiling
   (C) brain mapping (D) psychological differentiation

3. Brain Electrical Oscillation Signature profiling, a forensic assessment tool was
devolved by Indian clinical psychologist who subsequently received international
patent for the invention. Spot the person.
   (A) Dr. Valiathan (B) Dr. Malavika Kapoor
   (C) Dr. C R Mukundan (D) Dr. Janak Pandey

4. The concept of working memory was put forward by
   (A) Baddley (B) Brown & Kulik
   (C) Brown & McNeill (D) Serlinger

5. Tip of the tongue phenomenon is the contribution of
   (A) Brown & McNeill (B) Thomson
   (C) Ebbinghaus (D) Neisser

6. Neisser is associated with
   (A) Working memory (B) Iconic memory
   (C) Echoic memory (D) Auditory memory

7. The error of prediction will be zero if
   (A) the correlation between x and y is zero
   (B) the correlation between x and y is near zero
   (C) correlation between x and y is +1
   (D) the correlation between x and y is between +1 and -1

8. Standard error is inversely proportional to
   (A) standard deviation (B) sample size
   (C) mean value (D) variance
9. If other things that were not intended to measure but got included in measurement because of imperfection of one instrument, we call it
   (A) systematic error                    (B) random error
   (C) measurement error                  (D) All of the above

10. In stepwise regression method,
   (A) the independent variable having the higher correlation with dependent variable is selected first followed by less correlated variable
   (B) the criterion variable and its correlation with many dependent variables are presented.
   (C) at every step prediction is made
   (D) cause-effect relationship at every step is pictorially presented.

11. In a research, a researcher decides to study nine political parties. By comparing every political party with every other political party what will be the number of pairs of political parties to be studied
   (A) 17                                    (B) 36
   (C) 72                                    (D) 81

12. Brown–Peterson technique is associated with
   (A) Learning                               (B) Motivation
   (C) Memory                                (D) Emotion

13. Test norms minimize
   (A) variable error                        (B) constant error
   (C) personal error                        (D) interpretative error

14. National Brain Research Centre comes under the
   (A) ministry of health and family welfare
   (B) ministry of science and technology
   (C) ministry of social justice and empowerment
   (D) ministry of human resource development

15. Skin conductance response is measured in
   (A) ohm                                    (B) mho
   (C) volts                                  (D) hertz
16. Long term memory is also known as
   (A) primary memory   (B) secondary memory
   (C) distant memory   (D) autobiographical memory

17. Rosensweig’s Picture frustration study consists of ________ cartoon drawings
   (A) 14   (B) 25
   (C) 24   (D) 23

18. ________ is known as” little brain”
   (A) Pons   (B) Amygdala
   (C) Cerebellum   (D) Cerebrum

19. Animals don’t possess
   (A) intelligence   (B) abstract intelligence
   (C) concrete intelligence   (D) practical intelligence

20. Pet assisted therapy has roots in Freud’s pet dog named
   (A) Jumbo   (B) Jofi
   (C) Justin   (D) Jony

21. ________ developed triarchic theory of intelligence.
   (A) Das   (B) Sternberg
   (C) Gardner   (D) Jensen

22. ________ intelligence is known as practical intelligence
   (A) Componential   (B) Experiential
   (C) Contextual   (D) Crystalized

23. Two factor theory of work motivation was proposed by
   (A) Maslow   (B) Alderfer
   (C) Vroom   (D) Herzberg

24. Which of the following model emphasizes the relationship between leadership style and favourableness of the situation?
   (A) Fiedler’s contingency model   (B) Path-Goal theory
   (C) Managerial Grid model   (D) McGregor’s Theory X vs Theory Y
25. Johari Window is useful to analyse
   (A) Motivational Level          (B) Interpersonal Conflict
   (C) Leadership Ability         (D) Reward base

26. Which of the following is not an approach to Job Design?
   (A) Job Enlargement            (B) Job Rotation
   (C) Job Enrichment             (D) Managerial Grid

27. World Mental Health Day is observed on
   (A) September 10               (B) October 10
   (C) November 10                (D) December 10

28. The concept of 'Emotional Intelligence' got the scientific origin by
   (A) Goleman                    (B) Sternberg
   (C) Binet & Simon              (D) Mayer & Salovey

29. The theory of Nurturant-Task leadership was propounded by
   (A) Hersey & Blanchard         (B) Udaipareek
   (C) JBP Sinha                  (D) Tannenbaum

30. The Head Office of Defence Institute of Psychological Research is located at
   (A) Bangalore                  (B) Chennai
   (C) Delhi                      (D) Mumbai

31. Which of the following is not an example of factorial design?
   (A) Single way ANOVA           (B) Two way ANOVA
   (C) Three way ANOVA            (D) None of these

32. Which of the following sampling method is based upon the principle of socimetry?
   (A) Quota Sampling             (B) Snowball Sampling
   (C) Purposive Sampling         (D) Stratified Sampling

33. The difficulty of 'Cohort Effect' is experienced in
   (A) Cross-Sectional research   (B) Single Subject Design
   (C) Longitudinal research      (D) All of these
34. A researcher who had initially chosen a level of significance of .05 changed it to .01. After the change in this level of significance, the probability of Type I error will
   (A) Decrease  (B) Increase
   (C) Remains equal  (D) Cannot be said

35. Predictive validity is always ______ concurrent validity.
   (A) Higher  (B) Lower
   (C) Equal with  (D) May be higher or lower

36. The concept ‘Learned Optimism’ has been coined by
   (A) Freud  (B) Maslow
   (C) Rogers  (D) Seligman

37. ______ method helps in establishing cause-and effect relationship
   (A) Experimental method  (B) Correlational method
   (C) Case-study method  (D) Observation method

38. “Psychology has a long past, but its real history is short” was the remark made by
   (A) Pavlov  (B) Ebbinghaus
   (C) Woodworth  (D) Watson

39. A concept which is adopted for a particular study/research is called
   (A) Phenomena  (B) Definition
   (C) Construct  (D) Factor

40. For any psychological test, value of
   (A) reliability coefficient < validity coefficient
   (B) reliability coefficient > validity coefficient
   (C) reliability coefficient = validity coefficient
   (D) cannot be said

41. A double-blind experimental design is used to minimize
   (A) Cohort effects  (B) Experimenter bias
   (C) Halo effect  (D) Reactance
42. A random sample of students in a lecture hall could be obtained by selecting
   (A) The students who raise their hands first
   (B) The students with blonde hair
   (C) The students with credit card numbers ending with 5
   (D) Every fifth student seated throughout the room

43. A study requires that a group of college undergraduates be present for a problem-solving workshop every other Saturday. Eventually, a number of students who want to attend fall football games drop out of the study. This is an example of
   (A) Cohort effects
   (B) Social desirability bias
   (C) Selective attrition
   (D) Non-random sampling

44. As opposed to longitudinal design, a cross-sectional study is able to control for
   (A) Cohort effects
   (B) Demand characteristics
   (C) Experimenter bias
   (D) Reactance

45. The APA was founded by
   (A) John Watson
   (B) William James
   (C) Stanley Hall
   (D) Wilhelm Wundt

46. In the criterion-keying or empirical-keying approach to test construction, the researcher
   (A) Must include items which allow for projective answers
   (B) Must include items which could produce percentile ranks
   (C) Must include items which allow for a range of scores
   (D) Must include items which discriminate between groups

47. Five hundred undergraduates were asked to report their favorite television show from a list of 100 different shows. What kind of scale can best organize the data?
   (A) Nominal
   (B) Ordinal
   (C) Interval
   (D) Ratio

48. _________ is a method of study that mathematically combines and summarizes the overall effects or research findings for a particular subject.
   (A) Illusory correlation
   (B) Experimenter bias
   (C) Meta-analysis
   (D) Longitudinal design
49. When subjects act in ways they think the experimenter wants or expects is known as
   (A) Cohort effects           (B) Demand characteristic
   (C) Experimenter bias       (D) Hawthorne effect

50. ______ validity is whether the test really taps the abstract concept being measured.
   (A) Concurrent validity     (B) face validity
   (C) Content validity        (D) Construct validity

51. Suppose that, generally speaking, the taller people are, the more they weight. Which of the following is the best estimate of the correlation coefficient between height and weight?
   (A) +.63                   (B) 0.00
   (C) −.11                   (D) −.77

52. Suppose you wish to study the effects of room temperature on job productivity on an assembly line. The independent variable in this study would be
   (A) The temperature in the room
   (B) The number of people present
   (C) The number of goods assembled
   (D) How hot or cold people said they felt

53. An attempt to estimate the opinions, characteristics, or behaviours of a particular population by investigating a representative sample is a
   (A) Correlational study      (B) Correlational coefficient
   (C) Case study               (D) Survey

54. Research conducted by watching other people’s behaviours as they go about their normal routine is called
   (A) Naturalistic observation (B) Participant observation
   (C) Survey                  (D) Case study

55. An experiment does an in-depth study of a particular individual. This is called an
   (A) Experiment              (B) Survey
   (C) Case study              (D) Correlation
56. Suppose you wish to know whether the test you have developed to place children in an advanced math class is consistently measuring the same characteristic. You would want to assess the test's
   (A) Norms  (B) Validity
   (C) Standardization (D) Reliability

57. The following journal article would be an example of ________ research; “The benefits of fluorescent lighting on production in a factory setting”.
   (A) applied  (B) interview
   (C) test  (D) case

58. The scientific method is preferred over other ways of knowing because it is more
   (A) reliable  (B) systematic
   (C) accurate  (D) all of the above

59. What are the two types of research data?
   (A) qualitative and predictive  (B) qualitative and quantitative
   (C) predictive and quantitative  (D) primary and secondary

60. The ________ is a measure of central location about which the sum of squares is a minimum.
   (A) mean  (B) median
   (C) mode  (D) range

61. The ________ variable is controlled and manipulated by the experimenter, so that its effects on the subjects' behaviour can be observed
   (A) Independent  (B) dependent
   (C) Experimental  (D) psychological

62. A control group is made up of individuals similar to those in the experimental group, but they do not receive
   (A) the same measurement as the experimental group
   (B) the dependent variable
   (C) experimental credit for their psychology class
   (D) the independent variable
63. Ethical concerns are most likely to be found in ________ studies
   (A) correlational            (B) field
   (C) mathematical            (D) experimental

64. Which of the following is not a concern of the recent guidelines for researchers?
   (A) informed consent
   (B) protection of subject’s welfare and dignity
   (C) confidentiality and privacy
   (D) amount of remuneration for participation

65. A hypothesis is
   (A) a scientific investigation of some important question
   (B) a tendency to perceive what one expects to observe
   (C) a tentative idea adopted to account for some facts
   (D) the opposite of an operational definition

66. The two factor theory is also known as
   (A) Theory x and theory
   (B) ERG theory
   (C) Goal setting theory
   (D) Motivation-hygiene theory

67. The managerial grid describes the ________ style as the best leadership style.
   (A) 9,1
   (B) 9,9
   (C) 1,9
   (D) 1,1

68. The leadership dimension of consideration and initiating structure emerged from the ________ Studies.
   (A) Iowa
   (B) Ohio
   (C) Michigan
   (D) Hawthorne

69. The motivational approach which suggests that performance leads to satisfaction is
   (A) Aldefer’s ERG theory
   (B) Equity theory
   (C) Vroom’s expectancy theory
   (D) Porter-Lawler model

70. The Naval Psychological Research unit is operating in
   (A) Kochi
   (B) Vishakapatnam
   (C) Mumbai
   (D) Kolkatta
71. Defense Institute of Psychological Research is situated in
(A) Aizwal (B) Imphal
(C) New Delhi (D) Shillong

72. The study of the mind by analysis of one's own thought processes is
(A) introjection (B) regression
(C) repression (D) introspection

73. ———— is involved in posture, physical balance and fine- motor co-ordination.
(A) cerebrum (B) cerebellum
(C) pons (D) medulla

74. The ———— scan detects abnormal brain activity by monitoring a radioactive tracer substance as it travels through the blood vessels of the brain.
(A) CT (B) PET
(C) MRI (D) EEG

75. People have an easier time recalling an event if they are in the same mood as the one they were in when the event occurred.
(A) Cue-dependent memory (B) State-dependent memory
(C) Long Term Memory (D) None of the above

76. HIV infection is not possible through
(A) Unprotected sex (B) Blood transfusion
(C) Kissing and Hugging (D) Using infected syringes

77. ———— leaders inspire followers to transcend their own self-interests and have a profound and extraordinary effect on followers.
(A) Transactional (B) Charismatic
(C) Transformational (D) Authentic

78. The need to be associated with others is
(A) Need for affiliation (B) Need for power
(C) Need for achievement (D) Need for abasement

79. Maslow’s theory of work motive is a type of
(A) Content theory (B) Process theory
(C) Exchange theory (D) Contingency theory
80. The originator of the concept emotional intelligence is
   (A) Salovey and meyer  (B) Golman
   (C) JBP Sinha  (D) Gardiner

81. Which of the following is not a dimension of Attribution?
   (A) External-Internal  (B) Stable-Unstable
   (C) Primary-Secondary  (D) Global-Specific

82. The technique of first pairing two neutral stimuli with each other and then pairing
    one of the neutral stimuli with an unconditioned stimulus is called
    (A) backward conditioning  (B) simultaneous conditioning
    (C) sensory preconditioning  (D) second-order conditioning

83. In order to test for the effect of diffusion of responsibility apart from the effect of
    pluralistic ignorance, one would have to
    (A) vary the group size
    (B) isolate the bystanders from each other
    (C) use passive confederates
    (D) use friends as bystanders

84. Which type of memory is being tested when you take a multiple choice test?
   (A) Recognition  (B) Savings
   (C) Free recall  (D) Eidetic

85. Which of the following is an example of the phi phenomenon?
   (A) Head movements cause the eyes to move from one stimulus to another
   (B) Two lights flashing in rapid succession look like one moving light
   (C) A stationary point of light in a darkened room appears to move erratically
   (D) Telephone poles seen from a moving car appear to move backwards

86. A certain egg farm produces, on the average, 20% extra-large eggs, 50% large eggs,
    60% medium eggs, and 30% small eggs. This year, the percentages are 14% extra-
    large eggs, 36% large eggs, 35% medium eggs, and 15% small eggs. Which of the
    following could a statistician employ to determine if this year's percentages are
    significantly different from the average?
   (A) Correlation coefficient  (B) Multiple regression analysis
   (C) Chi-square test  (D) ANOVA
87. Identify the FALSE statement from the below
   (A) Developmental psychologists investigate age-related changes, such as those occurring during child development and later life.
   (B) Clinical psychologists investigate the causes and treatment of psychological disorders, such as homosexuality.
   (C) Physiological psychologists investigate the association between physiology and behaviour/mind, such as the neural correlates of schizophrenia.
   (D) Cognitive psychologists investigate fundamental mental processes such as attention, memory and perception.

88. Cartesian dualism specifies that
   (A) The body can interact with the mind via the pineal gland.
   (B) The mind can interact with the body via the pineal gland.
   (C) Both (A) and (B).
   (D) Neither (A) nor (B).

89. Hospice care usually occurs
   (A) only when there is a chance of recovery from illness.
   (B) at home.
   (C) during the last several years of a person’s life.
   (D) in hospitals.

90. Which of the following could NOT serve as an operational definition for anger?
   (A) reddening of the face.
   (B) feelings of hostility.
   (C) threatening posture.
   (D) attack behaviour.

91. The ‘Equity Premium Paradox’ in which investors put much of their capital into bonds and other low variability, low payoff investments when they could be investing in the more volatile, but more profitable stock markets is explained by
   (A) Optimistic bias.
   (B) Loss aversion principle.
   (C) Framing effect.
   (D) Endowment effect.

92. The neurotransmitter involved in Long Term Potentiation (LTP) is
   (A) Dopamine.
   (B) Norepinephrine.
   (C) Serotonin.
   (D) Glutamic acid.
93. The schedule of reinforcement that is most resistant to extinction is
   (A) Fixed Ratio   (B) Fixed Interval
   (C) Variable Ratio (D) Variable Interval

94. Which of the following is not one of the seven Primary Mental Abilities proposed by Thurstone?
   (A) Memory   (B) Perceptual speed
   (C) Word fluency (D) Attention-arousal

95. According to Erikson, the outcome of the positive resolution of the crisis between initiative and guilt in childhood is
   (A) Purpose   (B) Will
   (C) Competence (D) Love

96. According to Bronfenbrenner, the linkage between two or more settings, one of which, such as a parent’s workplace, that does not contain the developing person and thus affects him or her only indirectly is known as:
   (A) Microsystem (B) Mesosystem
   (C) Exosystem (D) Macrosystem

97. Johnny was mean to his brother. Then his brother got sick. Johnny now concludes that he made his brother sick. Piaget called this limitation of Preoperational thought
   (A) Egocentricism (B) Transductive reasoning
   (C) Animism (D) Irreversibility

98. The most extensive study of the universality of facial expressions was carried out by
   (A) Forrest & Feldman (B) Eckman et.al
   (C) Dutton & Aron (D) Schacter et al.

99. The Strange Room Situation study of human attachment style was conducted by
   (A) Bowlby (B) Bartholomew
   (C) Ainsworth (D) Harlow

100. The scale of measurement that has an absolute zero point is
    (A) Nominal   (B) Ordinal
     (C) Interval  (D) Ratio