

**13**

**WRITTEN TEST**  
**PSYCHOLOGY**

**Test Booklet No.**

Name of Applicant ..... Answer Sheet No. ....

Application ID : ..... Signature of Applicant : .....

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

Time of Examination : .....  
2. ....

**Duration : 1 Hour]**

**[Maximum Marks : 50**

**IMPORTANT INSTRUCTIONS**

- (i) The question paper is in the form of Test-Booklet containing **50 (Fifty)** 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., **50** questions. 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 **50** rows 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.**



1. Cross cultural studies are an example of:
  - (A) Case study design
  - (B) Comparative design
  - (C) Experimental design
  - (D) Longitudinal design
2. Which of the following describes the enduring facilitation of synaptic transmission that occurs following activation of synapses by high intensity and high frequency stimulation of pre-synaptic neurons?
  - (A) Action potential
  - (B) Absolute refractory period
  - (C) Relative refractory period
  - (D) Long term potentiation
3. What is the role of the moderator in a focus group?
  - (A) To stimulate discussion and keep the conversation on track
  - (B) To ask leading questions and dominate the discussion
  - (C) To sit away from the group and observe their behaviour
  - (D) To evaluate the group's performance on a particular task
4. Decentration and reversible thought processes are the characteristics of which of the following stage?
  - (A) Sensory-Motor
  - (B) Pre-Operational
  - (C) Concrete-Operational
  - (D) Formal Operations
5. Which of the following is the final destination for much of the brain's information about emotion, before action is taken?
  - (A) Amygdale
  - (B) Anterior Cingulated Cortex
  - (C) Pre-frontal cortex
  - (D) Hypothalamus
6. Which of the following correlation/ association measures can be considered as derived from chi-square?
  1. Spearman rho
  2. Biserial r
  3. Phi-coefficient
  4. Contingency coefficient
  - (A) 1 only
  - (B) 2 and 4 only
  - (C) 3 and 4 only
  - (D) 1, 3 and 4 only

7. Psychometric tests of creativity Like Torrance Tests of Creative Thinking Index measure creativity in terms of
- (A) Person
  - (B) Product
  - (C) Process
  - (D) Persuasion
8. The three psychologists who illustrated the diversity of approaches to functional psychology at Columbia were
- (A) Harvey Carr, James MckeenCattell and EL Thorndike
  - (B) James Angell, Harvey Carr and James Mckeen Cattell
  - (C) E.L. Thorndike, R.S. Woodworth and James Angell
  - (D) James Mckeen Cattell, E.L. Thorndike and R.S. Woodworth
9. Jung identified eight personality types on the basis of which of the following
- (A) Two attitudes and four functions
  - (B) Four attitudes and two functions
  - (C) Four attitudes and four functions
  - (D) Two attitudes and six functions
10. Which of the following is NOT an assumption of factor analysis?
- (A) No outliers in data
  - (B) Data should be quantitative at the interval or ratio level
  - (C) No perfect multicollinearity
  - (D) Variable may or may not be linear in nature
11. Projective measures, particularly inkblot tests index which of the following?
- (A) Novelty context of creativity
  - (B) Meaning context of creativity
  - (C) Domain-specific Creativity
  - (D) Everyday creativity
12. The sequence of different dimensions of Job Characteristics Model are:
- (A) Skill variety, task significance, autonomy, task identity, feedback
  - (B) Skill variety, task identity, task significance, autonomy, feedback
  - (C) Task identity, task significance, autonomy, skill variety, feedback
  - (D) Autonomy, task identity, skill variety, task significance, feedback

13. Cronbach's alpha value of .85 for a questionnaire means that:
- (A) The questionnaire is valid.
  - (B) The questionnaire has good reliability.
  - (C) The questionnaire has too few items.
  - (D) The questionnaire would produce different scores if used on the same people at two different points in time.
14. Guilford (1981) in his modified SOI model mentioned hierarchical structure of intellectual abilities reporting that there are \_\_\_\_\_ first order factors ; \_\_\_\_\_ second order factors; and \_\_\_\_\_ third order factors.
- (A) 150; 85; 20
  - (B) 120; 80; 20
  - (C) 150; 85; 16
  - (D) 180; 75; 18
15. In quota sampling, the probability of each element of population being included in the sample
- (A) is equal to sampling fraction
  - (B) can be specified in advance
  - (C) cannot be specified in advance.
  - (D) is  $1/k$  where K is the number of strata
16. Mrs. B has obtained the level of 'self' in that she now takes genuine pleasure in praying, meditation and other spiritual activities. Which type of 'self' is this in sufism?
- (A) Serene Self
  - (B) Inspired Self
  - (C) Pleased Self
  - (D) Pure Self
17. The teacher had marks for 50 students in his class. He computed their mean and standard deviation. Considering that the evaluation was too strict. He gave five grace marks to each student. This would
- (a) Increase mean by five
  - (b) Alter standard deviation in an unpredicted way
  - (c) Change the rank order of the students
  - (d) Change the skewness of the distribution
- Choose the correct option:
- (A) (a) only
  - (B) (a) and (b) only
  - (C) (a), (b) and (c) only
  - (D) (a), (c) and (d) only

18. Which one of the trait theories/models is/are NOT based on factor analytic methodology?
- (a) Allport's Theory
  - (b) Costa and McCrae's Model
  - (c) Goldberg's Model
  - (d) Eysenck's Theory
- (A) (a) only
- (B) (a) and (c) only
- (C) (b) and (c) only
- (D) (b) and (d) only
19. Selye largely ignored the contribution of one of the following in stress:
- (A) Adrenal medulla
  - (B) Anterior pituitary
  - (C) Adrenal cortex
  - (D) Chronic psychological factors
20. A researcher wants to scale nine attitude items by the method of paired comparison. What would be the number of pairs of the attitude items ?
- (A) 81
  - (B) 72
  - (C) 36
  - (D) 9
21. Which of the following statements are correct?
- (a) Dilthey opposed reductionism
  - (b) Dilthey opposed psychophysical parallelism
  - (c) Dilthey rejected the positivistic approaches to experimental psychology
  - (d) Dilthey rejected the idea of description
- Choose the correct option:
- (A) (a), (b) and (d) are correct
  - (B) (a), (c) and (d) are correct
  - (C) (b) and (c) are correct
  - (D) (a), (b) and (c) are correct
22. In Canal's theory, Dynamic Lattice shows the relationship among which of the following'
- (A) Ergs, sentiments and ability traits
  - (B) Ergs, attitudes and temperamental traits
  - (C) Sentiments and ergs
  - (D) Ergs, sentiments and attitudes
23. Varimax rotation should be used when:
- (A) You believe that the underlying factors will be correlated.
  - (B) You believe that the underlying factors are non-orthogonal.
  - (C) You believe that the underlying factors are independent.
  - (D) Kaiser's criterion is met.

24. Which of the following is degenerative disease accompanied by Amnesia caused by frontotemporal lobular degeneration and depression
- (A) Alzheimer`s disease  
 (B) Parkinson's disease  
 (C) Pick's disease  
 (D) Huntigton'sdisease
25. Phi-Phenomenon is best seen between which of the following time intervals?
- (A) 50 to 350 milliseconds  
 (B) 110 to 320 milliseconds  
 (C) 30 to 200 milliseconds  
 (D) 215 to 375 milliseconds
26. A test of Abstract Thinking had the norms in terms of normalized T scores (Mean = 50, SD = 10). If the subject received a T score of 60, what would be his percentile rank
- (A) 16  
 (B) 60  
 (C) 66  
 (D) 84
27. Descartes argued that body and mind interact. According to him winch is the site for this interaction?
- (A) Pancreas gland  
 (B) Pineal gland  
 (C) Pituitary Gland  
 (D) Adrenal Gland
28. Which of the following is not a tool of grounded theory?
- (A) Theoretical sampling  
 (B) Coding  
 (C) External validity  
 (D) Constant comparison
29. The visual signals from each retina reach striate cortex via which of the following?
- (A) Lateral geniculate nucleus  
 (B) Medical geniculate nucleus  
 (C) Infero-temporal cortex  
 (D) Posterior parietal cortex
30. In a newly developed adjustment inventory using 'Yes/No" format. There were some positively worded items ('Yes' response indicating adjustment) and some negatively worded Items ('No' response indicating adjustment). Test developers follow this practice to offset the effects of
- (A) Acquiescence  
 (B) Faking  
 (C) Random responding  
 (D) Socially desirable responding

31. Which of the following is correct for the Pheromones?
- (A) Biochemicals found within the brain which effect a person's behaviour
  - (B) Biochemicals which play an important role in transmitting information from neuron to neuron
  - (C) Chemical messengers found in the Central Nervous System
  - (D) Chemical substances emitted by the person into the environment affecting the behaviour of others
32. Eleven rural, eleven semi urban and eleven urban students were thoroughly interviewed and they were ranked (using a pooled sample of N = 331 for their communication skills. Which one of the following statistical techniques would be appropriate to explore group wise difference in communication?
- (A) Friedman's test
  - (B) Kruskal Wallis H test
  - (C) Rank difference correlation
  - (D) One way ANOVA for independent sample
33. In what sequence the Social Combination rules are followed for group success?
- (A) Additive, disjunctive, compensatory, conjunctive
  - (B) Additive, compensatory, disjunctive, conjunctive
  - (C) Disjunctive, compensatory, conjunctive, additive
  - (D) Compensatory, conjunctive, disjunctive, additive
34. In a multiple regression analysis, the three predictors explained 49 percent variance in the criterion variable. What would be the value of multiple correlation ?
- (A) 0.30
  - (B) 0.49
  - (C) 0.51
  - (D) 0.70
35. Which of the following is the most common anti-obesity hormone?
- (A) Leptin
  - (B) Orexin
  - (C) Insulin
  - (D) Ghrelin
36. What is the main difference between a focus group and a group interview?
- (A) Group interviews involve fewer participants
  - (B) Focus groups are used to study the way people discuss a specific topic.
  - (C) There is no moderator present in a focus group
  - (D) Focus groups save more time and money

37. Which one of the following statements is true regarding the relationship of test length with reliability and validity?
- (A) As test length increases, only reliability improves.
- (B) As test length increases, only validity improves.
- (C) As test length increases, neither reliability nor validity improves.
- (D) As test length increases, both reliability and validity improve
38. What is the reason of negative voltage of a neuron during Resting Potential?  
(Sodium = Na<sup>+</sup> Potassium = K<sup>+</sup>; Chloride = Cl<sup>-</sup> Organic anions = A<sup>-</sup>)
- (A) Na<sup>+</sup> and Cl<sup>-</sup> ions outside the membrane have more negative charge than K<sup>+</sup> and A<sup>-</sup> ions inside
- (B) Na<sup>+</sup> and Cl<sup>-</sup> ions outside the membrane have less negative charge than K<sup>+</sup> and A<sup>-</sup> ions inside
- (C) Na<sup>+</sup> and A<sup>-</sup> ions outside the membrane have more negative charge than K<sup>+</sup> and Cl<sup>-</sup> ions inside
- (D) Na<sup>+</sup> and A<sup>-</sup> ions outside the membrane have less negative charge than K<sup>+</sup> and Cl<sup>-</sup> ions inside
39. In the two-way ANOVA, with A and B as the independent variables, if the F ratio computed as  $MSA \times B / MSW$  is significant, it can be concluded that
1. Main effect of A is significant.
  2. Main effect of B is significant.
  3. Interaction effect is significant.
- Codes:
- (A) 3 only
- (B) 1 and 2 only
- (C) 2 and 3 only
- (D) 1, 2 and 3
40. Who gave the statement that the nature and frequency of human aggressive behaviour varies tremendously across human societies and likely to occur in some than others ?
- (A) Borowitz
- (B) Freud
- (C) Dollard and Miller
- (D) Lorenz
41. Who proved the observation that cyclists seem to be ride faster when they raced against another cyclist than when they are raced alone?
- (A) Zajonc
- (B) Allport
- (C) Baron
- (D) Norman Triplett

42. How many subjects would be required in a  $3 \times 3 \times 2$  factorial design with ten subjects per cell?
- (A) 10
  - (B) 18
  - (C) 90
  - (D) 180
43. On a psychological currency that permits deviation from the group is called
- (A) Conformity
  - (B) Obedience
  - (C) Idiosyncrasy credit
  - (D) Compliance
44. According to Adler which of the following is used by the neurotic to escape from the problems?
- (A) Depreciation
  - (B) Self-accusation
  - (C) Distancing
  - (D) Safeguarding strategies
45. If the obtained frequency and the expected frequency in a given cell of the contingency table is 17 and 10 respectively, what would be the contributions of this cell to total chi-square value?
- (A) 0.70
  - (B) 4.90
  - (C) 7.00
  - (D) 18.90
46. When people are pressurized to admit guilt, but privately continue to believe in their own innocence. Choose the correct answer of above statement
- (A) Voluntary false confession
  - (B) Coerced-compliant false confession
  - (C) Coerced-internalized false confession
  - (D) Character evidences
47. While conducting an experiment the research manipulates the independent variable within a pre decided range. Which of the following describes this type of research?
- (A) Quasi experiment
  - (B) Random effect model
  - (C) Fixed effect model
  - (D) Mixed-method approach

48. When acetyl choline links upon the post synaptic side, it generates a depolarisation. What you call it?
- (A) Inhibitory Post synaptic Potential
  - (B) Excitatory Post synaptic Potential
  - (C) End plate potential
  - (D) End plate potential and Inhibitory Post synaptic Potential
49. Which of the following represents the Tetrad equation as given by Spearman?
- (A)  $r_{12} r_{34} = r_{14} r_{23}$
  - (B)  $r_{13} r_{24} = r_{14} r_{23}$
  - (C)  $r_{14} r_{23} = r_{13} r_{24}$
  - (D) All of these
50. Which of the following statements about IPA are true?
- (A) It describes the lived experience
  - (B) It is interpretative, the researcher tries to make sense of the participants experience
  - (C) It is ideographic: studies at the individual level
  - (D) All of the above

## ROUGH WORK