

**PH.D ENTRANCE TEST.
MODERN QUESTION PAPER.**

Notes:

SUBJECT:- PSYCHOLOGY.

1. This paper has Four sections and carries a total weightage of 100 marks.
2. Attempt all the questions to the best of your abilities in the time stipulated for the Test.

Sections - I

10 Marks

Round the true or false answer

- (i) The measuring tool for research should be highly reliable highly valid. **True / False**
- (ii) Psychology is a social and natural science. **True / False**
- (iii) The concept which refers to the consistency of scores obtained by the same persons when re-examined with the same test on a different occasions is known as Reliability. **True / False**
- (iv) To determine validity the correlation is worked out between any two test scores. **True/False**
- (v) Reliability of test measures correlation coefficient. **True / False**
- (vi) Itemized rating scales are otherwise known as Rank Order Scales. **True / False**
- (vii) The main aim of item analysis is to know discriminative items. **True / False**
- (viii) Item analysis is not an integral part of the validity of the test. **True / False**
- (ix) The picture completion sub test of WAIS consist total 26 items. **True / False**
- (x) Stanford -Binet test first published in 1915. **True / False**

Encircle the correct answer
Each question carries two marks

Q1. How many subjects would be required in a 3x 3 x 2 factorial design with ten subjects per cell?
 (a) 10 (b) 18 (c) 90 (d) 180

Q2. Mechanistic model of growth focuses on:
 1. Role of environmental input and behavior output
 2. Evolutionary origin
 3. Quantitative increase in learned responses

Codes:

(a) 1 and 2 (b) 1 and 3 (c) 2 and 3 (d) 1, 2 and 3

Q3. 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

Q4. Which of the following clinical procedures is/ are not based on classical conditioning?
 1. Flooding
 2. Transference
 3. Client centered therapy
 4. Systematic desensitization
 (a) 1 only (b) 2 and 3 only (c) 1, 2 and 3 only (d) 1,3 and 4 only

Q5. Annual or semi-annual rating of each employee's performance, coupled with feedback about the ratings they receive are referred to as:
 (a) Performance appraisals (b) Rating inventories
 (c) Behaviourally anchored rating scales (d) Graphic rating scales

Q6. Match List-I with List-II and indicate your answer using the codes given below:

List - I	List - II
(Hormones)	(Synthesized from)
1. Steroidal hormones	P. An amino acid
2. Peptide hormones	Q. Long chain of amino acids
3. Protein hormones	R. Fat molecule
4. Amino acid derivates	S. Short chain of amino acids

Codes: P Q R S

(a) 4 3 1 2 (b) 4 1 2 3 (c) 4 3 2 1 (d) 3 2 1 4

Q7. Arrange the following needs in accordance with Maslow's hierarchy:

1. Esteem needs
 2. Love – belongingness
 3. Physiological needs
 4. Safety needs
 5. Self-actualization
 (a) 3 2 1 4 5 (b) 3 2 4 1 5 (c) 3 4 1 2 5 (d) 3 4 2 1 5

Q8. What is true for the contention that we are normally driven to eat by the anticipated pleasure of eating?
 (a) Set point theory (b) Negative feedback system
 (c) Positive incentive theory (d) Homeostatic

Q9. What does reduce the problem distance between starting point and the goal?
 (a) Normative – utilitarian (b) Means – end analysis
 (c) Normative – logical (d) Heuristic short cuts

- Q10. In an experiment if a light is repeatedly presented just before the electric shock is given the animal learns:
- (a) Operant escape and then operant avoidance
 - (b) Operant avoidance and then operant escape
 - (c) Only operant escape
 - (d) Only operant avoidance

- Q11. The contention that our facial expressions influence our emotional experience, attests to which of the following hypotheses?
- (a) Universality hypothesis of facial expressions
 - (b) Emotional specificity hypothesis of ANS activity
 - (c) Emotional generality hypothesis of ANS activity
 - (d) Facial feedback hypothesis

Q12. Match List - I with List - II and indicate your answer with the help of given codes:

List - I	List - II
(Cognitive Process / System)	(Process / Locale)
p. Features based processing	1. Right cerebral hemisphere
q. Whole based processing	2. Top down processing
r. Abstract category system	3. Bottom-up processing
s. Specific exemplar subsystem	4. Left cerebral hemisphere

Code : p q r s

- (a) 1 3 4 2 (b) 3 2 4 1 (c) 2 4 1 3 (d) 4 1 3 2

Q13. Match List - I with List - II and indicate your answer using the codes given below:

List - I	List - II
(Symptom)	(Disorder)
p. Waxy flexibility	1. Agoraphobia
q. Rapid speech and flight of ideas	2. Schizophrenia
r. Excessive fear of crowded places	3. Narcolepsy
s. Cataplexy	4. Mania

Code : p q r s

- (a) 3 4 1 2 (b) 3 2 4 1 (c) 4 2 1 3 (d) 2 4 1 3

Q14 Which of the following is correct formula of Spearman $R_{oh}(p)$.

- (a) $\rho = 1 - \frac{6\sum d^2}{N(N^2-1)}$ (c) $\rho = 1 - \frac{6\sum d^2}{N(N^2+1)}$
- (b) $\rho = 1 - \frac{6\sum d}{N(N-1)}$ (d) $\rho = 1 + \frac{6\sum d^2}{N(N^2+1)}$

Q15. Which among the following is a reversible lesion?

- (a) Cryogenic lesion
- (b) Aspiration lesion
- (c) Radio-Frequency lesion
- (d) Knife cut lesion

Q16. Match List - I with List - II and indicate your answer with the help of codes given below:

List - I	List - II
(Type of Bias)	(Decision)
p. Anchoring	1. Making estimates from an initial value
q. Hind sight	2. Adjusting past events by current knowledge
r. Framing	3. Phrasing of intuition guides biased decision
s. Represent -activeness	4. Most stereotype exemplars are selected

Code : p q r s

- (a) 2 1 4 3 (b) 1 3 2 4 (c) 2 3 4 1 (d) 1 2 3 4

Q17. Arrange different types of 'Play' in an increasing order of cognitive complexity:

- 1. Constructive
- 2. Dramatic
- 3. Functional
- 4. Games

- (a) 2-1-3-4 (b) 2-3-1-4 (c) 1-2-3-4 (d) 1-3-2-4

Q18. Some people believe that certain objects bring luck and help them in being successful. Such superstitions may be the result of:

- (a) Insight (b) A program of behavior modification
(c) Auto-shaping (d) Token economy systems

Q19. Assertion (A): Fear or stress prior to surgery has been associated with slower post surgical recovery, including delays in wound healing. Reason (R): Psychological factors can influence physical illness.

- (a) Both (A) and (R) are true and (R) is the correct explanation of (A)
(b) Both (A) and (R) are true and (R) is not the correct explanation of (A)
(c) (A) is true but (R) is false
(d) Both (A) and (R) are false

Q20. The way in which a child's efforts to master a new or challenging task is supported in a flexible and contingent way by teachers, parents or more competent persons is called:

- (a) Scaffolding (b) Social influence (c) Social mediation (d) Social referencing

Write answer in 400 words (any five)

1. Describe the major characteristics of a Psychological study.
2. Discuss the major methodological problems of Psychology.
3. Define perception and differentiate between different types of perceptual distortions.
4. What do you mean by cognitive learning? Throw light upon the role of cognitive factors in classical conditioning.
5. How is information retrieved from short term memory? Describe the mechanisms of forgetting in short term memory.
6. Make distinctions between creativity and intelligence. How is creativity measured?
7. What is motivation? Present critical explanation of any two types of theories of motivation.
8. Define personality and evaluate the projective methods as measurement of personality.

Answer -1

Q1. What is the use of Research Design in psychological research? Explain the nature of randomized and matched group design?

Answer