

CIVIL SERVICE EXAM 2009

4.11.2009

SI No. 1400

B-DTN-J-QTA

PSYCHOLOGY

Paper I

Time Allowed: Three Hours

Maximum Marks: 300

INSTRUCTIONS

Each Question is printed both in Hindi and English Medium.

Answer must be written in the medium specified in the Admission Certificate issued to you, which must be stated clearly on the cover of the answer book in the space provided for the purpose. No Marks will be given for the answers written in a medium other than that specific in the Admission Certificate.

Candidates should attempt Question No. 1 and 5 which are compulsory and any three of the remaining questions selecting at least one question from each Section.

The number of marks carried by each question is indicated at the end of the question.

SECTION – A

1. Answer any **THREE** of the following in not more than 200 words each: 20×3=60

- a) Perception of size is explained from visual angle perspective. Evaluate its adequacy.
- b) The History of psychology show ‘ mind-body’ approach as one of the popular ways of explaining behaviour. Discuss how this is being revisited in modern psychology.
- c) With suitable examples distinguish between exploratory type and confirmatory type factor analysis. How do you examine the significance level of factors loadings?
- d) Distinguish the application of signal detection theory in the selection process of defense personal. How do you get and interpret ROC Curve.

2. a). Distinguish between ‘ intelligence’ and ‘ aptitude’ tests. Lists commonly measured aptitudes and their tests. 30
- b). Prepare an experimental design following Sperling’s technique’ to study iconic memory. What does the experiment prove ? 30

3. What is psychological well being ? Discuss various methods in promoting psychological well being across major stages of the life span. 60

4. Discuss various characteristics of probability learning. Prepare an experimental design of probability learning following ' Bernoulli Sequence'. When is the behaviour of the subject labeled as ' gambler's fallacy'? 60

d) How is emotional competence assessed? Discuss the efforts of emotion on behaviour. Cite experimental evidence.

6. What are the different stages of sleep ? How are these stages assessed experimentally ? Citing relevant research studies discuss the effects of sleep deprivation on cognitive, affective and behavioral dimensions. 60

VISION IAS

SECTION B :

5. Answer any **THREE** of the following in not more than 200 words each: 20×3=60

- Comment on Chomsky's theory of transformational Generative grammar and discuss its later modifications.
- Discuss the use(s) of SPSS programme in psychological testing.
- What is non directive thinking? Discuss different dimensions of thoughts processes in relation to concept and creativity ?

7. Critically evaluate the relative merits and demerits of psychometric measures of personality and intelligence. 60

8. Discuss nature, formation and measurement of attitude. Can attitude be changed? Substantiate your answer citing research finding. 60