

Total number of printed pages—2

IX VI-VII CT.28

PSYCHOLOGY

1997

First Paper

Full Marks—200

Time : Three hours

The figures in the margin indicate full marks for the questions.
Answer question No. 1 and any five of the remaining questions.

1. Write critical notes on any two of the following questions:
25×2=50

(a) What physiological changes occur in emotion and how can they be measured?

(b) Design an experiment to study the role of set in problem solving.

(c) Change and development of attitudes toward one's own nationality.

2. Trace in what way Wundt and James contributed to the development of experimental psychology. What psychological system did they propagate?
20+10=30

3. Why is a group of nerves said to constitute the autonomic nervous system? How do they function in different organs in states of emotional excitement? Elaborate.
5+25=30

Contd.

4. Describe how energy changes reach the auditory area of the cerebral cortex to produce sound perception. What sound qualities are distinguished by the perceiver?

15+15=30

5. Examine the phenomena of perceptual constancy by giving evidence from experimental studies. Are they really constant?

25+5=30

6. Why is sleep called an altered state of consciousness? Analyse the different stages of sleep and bring out the salient features of the stage in which dreams occur.

5+20+5=30

7. Those identified with the cognitive viewpoint argue that learning particularly in humans, cannot be satisfactorily explained in terms of stimulus-response association. Estimate critically the contention of the foregoing statement.

30

8. Prepare a flow-chart of the memory process and explain its functional efficiency as a complete memory system.

30

9. What are defense mechanisms? State and illustrate by giving suitable examples, at least five defense mechanisms.

5+5+5=30