

2023

## PSYCHOLOGY — HONOURS

Paper : DSCC-1

(Introduction to Psychology)

Full Marks : 75

*The figures in the margin indicate full marks.**Candidates are required to give their answers in their own words as far as practicable.*

1. Write notes on *any five* (word limit for each **250**) : 5×5
- (a) Interview method
  - (b) Ratio scale
  - (c) Different types of neuron
  - (d) Ogive
  - (e) Continuous vs Discrete variables
  - (f) Transduction
  - (g) Distinction between physical measurement and psychological measurement
  - (h) Computation of mode.
2. Answer *any two* from the following (word limit for each **700**) :
- (a) Discuss correlational method along with its advantages and disadvantages. 10
  - (b) (i) What is the basic nature of experimentation? Explain it with an appropriate example. 6+4
  - (ii) Why is random assignment of participants to conditions required in experiments? 3+4+3
  - (c) What do neurons do? With a labelled diagram describe the basic parts of neuron. 10
  - (d) Discuss with examples different determinants of attention. 10
  - (e) What is a measure of variability? State the differences between semi-interquartile range and Standard Deviation as measures of variability. Compute the quartile deviation of the following achievement test scores in a groups of students. 1+5+4
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|------------------|---------|----------|-----------|-----------|-----------|-----------|
| Class Interval : | 81 – 90 | 91 – 100 | 101 – 110 | 111 – 120 | 121 – 130 | 131 – 140 |
| Frequencies :    | 7       | 12       | 19        | 24        | 14        | 4         |

Please Turn Over

3. Answer *any two* from the following (word limit for each **1000**) :

- (a) Discuss the contribution of Behaviourism in the history of Psychology. 15
- (b) Discuss the structure and functions of spinal cord with suitable diagram. 6+6+3
- (c) What does the term absolute threshold (AL) refer to and what is the difference between absolute threshold (AL) and difference threshold (DL)? Elucidate the classical psychophysical methods. 6+9
- (d) Discuss the different phenomena of attention along with adequate experimental evidences. 15
- (e) (i) What is meant by normal probability distribution?  
(ii) State the Gaussian equation of the unit normal curve.  
(iii) Explain the properties of the normal probability curve. 4+1+10
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