

2025

M.Sc. 1st Semester Examination

ELECTRONICS

Paper : ELCO407VC

(Indian Knowledge System)

Full Marks : 25

Time : One Hour

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

Group - A

Answer any *two* questions : $2 \times 2 = 4$

1. Where and when the Indus Valley civilization existed?
1+1
2. How the value of $\sqrt{2}$ was approximated by Baudhayana?
3. In which books of the properties of six metals (Iron, tin, lead, copper, gold and silver) are described?
4. Name a greatest Sanskrit grammarian. In which order matrix form the consonants may be arranged. 1+1

P.T.O.

(2)

Group - B

Answer any *two* questions : $4 \times 2 = 8$

5. Discuss briefly on iron pillar of Qutub Minar.
6. What is Wootz steel?
7. Discuss briefly the contribution of Aryabhatiya in mathematics.
8. Write short note on 'Kerala school of astronomy and mathematics'.

Group - C

Answer any *one* question : $8 \times 1 = 8$

9. Write short note on the work of J. C. Bose.
10. Write short note on the work of Sir C. V. Raman.

Internal Assessment : 5 marks
