



23104721

**QP CODE: 23104721**

**Reg No** : .....

**Name** : .....

**B.Sc DEGREE (CBCS) REGULAR/IMPROVEMENT/REAPPEARANCE  
EXAMINATIONS, FEBRUARY 2023**

**First Semester**

**Core Course - EL1CRT02 - METHODOLOGY OF SCIENCE**

(Common to B.Sc Electronics and Computer Maintenance Model III, B.Sc Electronics Model III)

2017,2018 Admissions Only

4B46A0B0

Time: 3 Hours

Max. Marks : 80

**Part A**

*Answer any **ten** questions.*

*Each question carries **2** marks.*

1. What is science?
2. What are the advantages of using bronze instead of using stone?
3. State the Kepler's laws of planetary motion.
4. Discuss the role played by Bacon and Descartes in modernizing science.
5. How the name Henry Cavendish and Joseph Priestly remembered in the history of science?
6. Define scientific determinism.
7. Define pseudo-science.
8. What is unity of science?
9. Define electronic communication.
10. What is wireless communication?
11. How transistor affected the development of electronics?
12. What is optical fiber?





(10×2=20)

**Part B**

*Answer any **six** questions.*

*Each question carries **5** marks.*

13. What are the contributions of paleolithic age in scientific development?
14. What are the contributions of early China in the scientific progress?
15. Explain the contribution of Aristotle to the European origin of science.
16. What are the contributions of kerala in the scientific growth of the world?
17. Discuss Newtons's contributions to science.
18. What is Christian Hygens propositions to light?
19. Briefly explain the Mills method of inductivism.
20. What are the types of modulation? Explain with figure.
21. Explain GPS? Give applications.

(6×5=30)

**Part C**

*Answer any **two** questions.*

*Each question carries **15** marks.*

22. Explain the ways in Alexandria contributed to the early mathematics ,astronomy, and medical sciences.
23. Explain lonian school of philosophy.
24. Explain in detail about the application of electronics in medicine.
25. Explain the history of computers.

(2×15=30)

