



QP CODE: 19103242



19103242

Reg No :

Name :

BSc DEGREE (CBCS) EXAMINATION, NOVEMBER 2019

First Semester

CORE COURSE - EL1CRT20 - METHODOLOGY OF SCIENCE(2019 ADMISSION ONWARDS)

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

2019 Admission Onwards

5FB9A909

Time: 3 Hours

Maximum Marks :80

Part A

Answer any ten questions.

Each question carries 2 marks.

1. What is the important contribution of Anaximander?
2. What are the two main traditions of Ayurveda?
3. Why is Leonardo da vinci is depicted as personifying renaissance in Europe?
4. What are the interesting features of Kerala School of Astronomy?
5. Mention the contributions of John Flamsteed in astronomy.
6. Explain the Theory of Evolution.
7. What is deduction?
8. What are active components?
9. What are semiconductors?
10. What is optical fibre?
11. Name some applications of electronics in medicine.
12. What is a microprocessor?

(10×2=20)

Part B

Answer any six questions.

Each question carries 5 marks.

13. Explain the contribution of Aristotle to the European origin of science.





14. Discuss the contributions of Alexandria.
15. Why Galileo is referred as the father of modern science?
16. Discuss about the innovations in the century after Newton.
17. Distinguish between science ,non-science and pseudo-science giving examples.
18. What are the advantages and disadvantages of Integrated circuits?
19. Discuss the block diagram of a basic communication system.
20. Discuss the working of telegraph.
21. Explain GPS.Give applications.

(6×5=30)

Part C

Answer any two questions.

Each question carries 15 marks.

22. Explain the findings of Bruno, Copernicus , Galieleo and Kepler in astronomy?
23. Discuss the contributions of Newton in science. What are his major published works?
24. What is modulation? Discuss different modulation techniques in detail.
25. Draw and explain the block diagram of a digital computer Explain each block. Discuss different memories.

(2×15=30)

