

Nirmala Memorial Foundation Junior College of Commerce and Science

SYJC - SCIENCE

BIFOCAL SUBJECT - *ELECTRONICS*

SYLLABUS FOR

ELECTRONICS 1 AND ELECTRONICS 2

Total Marks – 200

Electronics I - Applied Electronics

1. Instruments
2. Power Supply
3. Transducers
4. Operational Amplifiers
5. Modern Electronic Communication
6. Study of Integrated Circuits

Electronics II - Digital Electronics

1. Number System and Boolean Algebra
2. Basic Logic gates
3. Logic families and IC Specification
4. Multiplexers, De Multiplexers, Encoders, Decoders
5. Flip Flops, Counters, Registers
6. A/D and D/A converters
7. Computer

SCHEME OF EXAMINATION

Paper	Theory marks	Practical marks	Term work marks	Total Marks
I	50	30	20	100
II	50	30	20	100

PAPER PATTERN FOR ELECTRONICS 1 AND ELECTRONICS 2

Total Marks: 50

Time: 3 hours

- Q1. A. Select the correct alternative and rewrite the sentence. 1*4=4 Marks
- Q1. B. Answer any two of the following. 2*3=6 Marks
- Q2. A. Answer any two of the following. 2*3=6 Marks
- Q2. B Answer any one of the following. . 1*4=4 Marks
- Q3. A. Answer any two of the following. 2*3=6 Marks
- Q3. B Answer any one of the following. . 1*4=4 Marks
- Q4. A. Answer any two of the following. 2*3=6 Marks
- Q4. B Answer any one of the following. . 1*4=4 Marks
- Q5. A. Answer any two of the following. 2*3=6 Marks
- Q5. B Answer any one of the following. . 1*4=4 Marks