



OPEN ELECTIVE
First Year (B.Com and BBA-CA)
ELE11304: Basic Applications in Consumer Electronics
(Semester I)

Course Type: Open Elective (OE)
Paper: OE
Time: 2 Hours

Credits: 2
Max. Marks: 30
SET: A

Instructions to the candidate:

- 1) All questions are compulsory.
- 2) Figures to the right indicate full marks.
- 3) Draw a well labelled diagram wherever necessary.

SECTION: A

Q1) Choose correct alternative

[5 X 1= 5]

1. _____ component opposes the flow of current
a) Resistor b) Capacitor c) Inductor d) Transistor
2. Capacitance is measured in _____
a) Ohms b) Volts c) Farads d) Ampere
3. LED is acronym of _____
a) Light Emitting Diode b) Light Enhancing Diode
c) Light Emitting Dipole d) Line Enhancing Diode
4. NOT gate has _____ input
a) 1 b) 2 c) 3 d) 4
5. Diode has _____ terminals .
a) 1 b) 2 c) 3 d) 4

SECTION: B

Q2) Answer the following (Attempt any 5/7)

[5 X 2 =10]

1. State True or False-Water is a good conductor of electricity
2. How diode is connected to battery when it is emitting light ?
3. Give two examples of insulators.
4. Draw symbol of resistor and capacitor
5. Write logical equation of AND gate and draw its symbol.
6. Represent analog and digital signal.
7. Give example of any two actuators.

SECTION: C

Q3) Write short notes on following (Attempt any 2/4)

[2 X 5 = 10]

1. Logic gates
2. Capacitor
3. Sensors
4. LED

SECTION: D

Q4) Answer the following (Attempt any 1/2)

[5 X 1 = 5]

1. Explain resistors.
2. Write the steps required to develop Electronic lamp (water diya) using given components.
