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SUBJECT CODE NO: - BNP-2738
FACULTY OF SCIENCE AND TECHNOLOGY
B.Sc. (NEP) (P-2024) S.Y Sem III
Examination November / December 2025
Electronics (Consumer Electronics-I)

[Time:1 Hours]**[Max. Marks:30]**

N. B

- Please check whether you have got the right question paper.
- i) Question No-1 is multiple choice objective type and it is compulsory. It carries 10 marks.
 - ii) Attempt any four questions from Q.2. to Q.7. Each of these questions carry 5 Marks.
 - iii) Figures to the right indicates full marks.

Part- A

Q1 Attempt all MCQS

10

- 1) Which of the following is a type temperature sensor.
 - A) Thermocouple
 - B) Accelerometer
 - C) Pressure sensor
 - D) Proximity sensor
- 2) Change in output of sensor with change in input is-----
 - A) Threshold
 - B) Slew Rate
 - C) sensitivity
 - D) None of above
- 3) On which principle the moving coil loud speaker based.
 - A) Electromagnetic transduction
 - B) Electromagnetic induction
 - C) Piezoelectric effect.
 - D) Electrodynamic induction
- 4) An oscillator converts-----
 - A) AC power into DC power
 - B) DC power into AC power
 - C) Mechanical power into ac power
 - D) None of the above.
- 5) which power supply is used in monochrome TV receiver
 - A) Linear
 - B) Switched
 - C) SMPS
 - D) Battery

Part-B

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|----|---|---|
| Q2 | What is sensors. Explain the types of sensors. | 5 |
| Q3 | Explain the working of oscillators. | 5 |
| Q4 | What is Speaker. Explain speaker driver design. | 5 |
| Q5 | Explain the standard specification of audio system. | 5 |
| Q6 | Draw the Block diagram of colour T-V receiver | 5 |
| Q7 | Write down any five application MP3 player | 5 |