

B.Sc. (NEP) Sem.-5 Examination

SEC-356

Electronics

November-2025

Time : 1-00 Hour]

[Max. Marks : 25

- Instructions:** (1) All questions carry equal marks.
 (2) Symbols used here have their usual meanings.
 (3) Figures to the right indicate marks.

- 1 (A) With diagram explain construction, working & features of Moving coil Microphone. 05
 (B) With diagram explain principle, construction & working Crystal Microphone. 05
- OR**
- (A) With diagram explain construction, working & features of Ribbon Microphone. 05
 (B) With diagram explain construction, working & features of Carbon Microphone. 05
- 2 (A) With diagram explain construction, working & features of Electrodynamic Loudspeaker. 05
 (B) Write short note on Baffles and Enclosures. 05
- OR**
- (A) With diagram explain construction, working & features of Horn Loudspeaker. 05
 (B) With diagram explain Bass Reflex Enclosure and Column Loudspeaker. 05
- 3 Attempt any Five out of Six. 05
- (1) Microphone converts variations of sound pressure into _____ signals of the same frequency.
 (2) Microphone response should be independent of the direction of _____ waves.
 (3) In moving coil microphone, emf is proportional to _____ of coil.
 (4) _____ converts electrical audio frequency signals into sound waves of the same frequency.
 (5) Ideally the frequency response should be flat over the whole audio range ie. 16 Hz to _____.
 (6) Moving coil loudspeaker gives frequency response in the 200 Hz to _____ Hz range.

