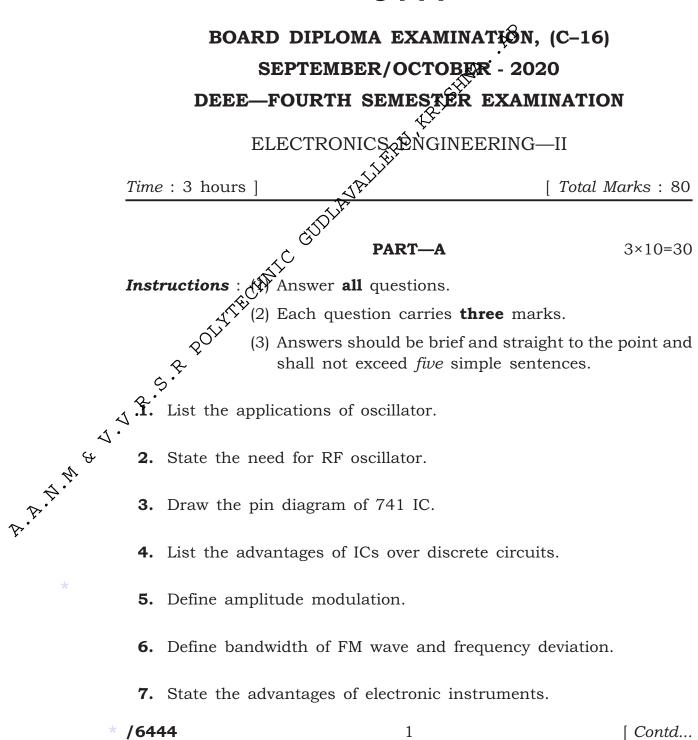


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- 8. Define the terms resolution and accuracy of D/A convertor.
- **9.** List the applications of transducers.
- 10. State the need of transducers in measurement systems.

10×5=50

Instructions : (1) Answer any five questions.

- (2) Each question carries the marks.
- (3) Answers should be comprehensive and the criterion for valuation is the content but not the length of the answer.
- 11. (a) Draw the circuit agram of Hartley oscillator.
 - (b) Draw the circuit diagram of Colpitt's oscillator.
- 12. Draw and explain the working of UJT relaxation oscillator.
- **13.** Explain, the operational amplifier as (a) summer and (b) scale changer.
- **15.** Draw the waveforms of an AM wave and explain the power distribution in AM wave.
- **16.** Explain the D/A conversion using R-2R ladder network.
- **17.** Explain the measurement of temperature using thermistor in bridge circuit.
- **18.** Explain the construction and working of LVDT (Linear Variable Differential Transformer).

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