

( 7 )

Paper : DSE-2 (B)

( Physics of Devices and Instruments )

Full Marks : 53

Pass Marks : 21

Time : 3 hours

1. Choose the correct answer from the following : 1×5=5

(a) The terminals of a unijunction transistor are

(i) collector, base and emitter

(ii) emitter, base 1 and base 2

(iii) gate, drain and source

(iv) gate, drain, body and source

(b) The voltage regulator IC7905 provides regulated output voltage equal to

(i) 78 volt

(ii) +5 volt

(iii) 12 volt

(iv) -5 volt

(c) Which semiconductor is most widely used for fabrication of integrated circuit?

(i) Germanium

(ii) Gallium arsenide

(iii) Silicon

(iv) None of the above

( Turn Over )

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