



RAN - 1803000201030091

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First Year B.Sc (Sem-I) Examination

March / April - 2019

Basic Electrical Circuits (Paper -I)

Time: 2 Hours]

[Total Marks: 50

સૂચના : / Instructions

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.

Fill up strictly the details of signs on your answer book

Name of the Examination:

First Year B.Sc (Sem-I)

Name of the Subject :

Basic Electrical Circuits (Paper -I)

Subject Code No.: 1803000201030091

Seat No.:

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Student's Signature

Instructions:

1. There are 28 Question in this Paper.
2. Figure on right indicate full marks.
3. All symbols and abbreviation have their usual meanings.
Q 1 to Q 12 Multiple Choice Questions : 1 Mark.
Q 13 to Q 22 Multiple Choice Questions : 2 marks
Q 23 to Q 28 Multiple Choice Questions : 3 marks

I Each question 1 mark each

(1 x 12)

Q1 Electronics is used in which of these fields?

- | | |
|------------------|------------|
| a) Communication | b) Control |
| c) Computer | d) All |

Q2 _____ is often used to analyze multiple source circuit

- | | |
|------------------------|--------------------------|
| a) Thevenien's Theorem | b) Superposition Theorem |
| c) Norton's Theorem | d) Kirchhoff s Law |

Q3 Which one of them is not active component?

- | | |
|--------------|----------------|
| a) Diode | b) Transistor |
| c) Capacitor | d) Zener Diode |

