

**2011000304020093 / 2003000204020093 /
2003000204020093
EXAMINATION FEBRUARY-MARCH 2024
BACHELOR OF SCIENCE (FOURTH SEMESTER)
ELECTRONICS PAPER-V
SWITCHING POWER SUPPLY**

[Time: As Per Schedule]

[Max. Marks: 50]

Instructions:

1. Fill up strictly the following details on your answer book

a. Name of the Examination : **BACHELOR OF SCIENCE
(FOURTH SEMESTER)**

b. Name of the Subject : **ELECTRONICS-V
SWITCHING POWER SUPPLY**

c. Subject Code No :
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2. Sketch neat and labelled diagram wherever necessary.
3. Figures to the right indicate full marks of the question.
4. All questions are compulsory.
5. Figures at extreme right indicate full marks.
6. Assume data, if required.

Seat No:

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Student's Signature

Q.1 Write very short answers.

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1. What are Thyristors?
2. Draw the characteristics of DIAC.
3. What is step-up converter.
4. Explain signal to noise ratio.

Q.2 A. Explain the construction and working of TRIAC draw the characteristics of the device and explain it.

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B. Explain the terms holding current and latching current in the SCR characteristics.

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OR

A. Discuss the block diagram of IC sg 3524.

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B. Discuss the fly-back converter.

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