



RAN - 1803000201030092



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F. Y. B. Sc. Electronics (Sem. - I) Examination

March - 2023

Electronics : Paper - II

Digital Electronics Circuits

[Total Marks: 50

સૂચના : / Instructions

(1)

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

F. Y. B. Sc. Electronics (Sem. - I)

Name of the Subject :

Electronics : Paper - II Digital Electronics Circuits

Subject Code No.: **1803000201030092**

Seat No.:

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Student's Signature

- (2) Figure on the right indicates full marks
- (3) All symbols and abbreviations have their usual meaning.
- (4) Non-programmable calculators are allowed.
- (5) Assume data if necessary.

***O.M.R. Sheet ભરવા અંગેની અગત્યની સૂચનાઓ આપેલ
O.M.R. Sheetની પાછળ છાપેલ છે.***

***Important instructions to fillup O.M.R. Sheet
are given on back side of the provided O.M.R. Sheet.***

Q. 34. The binary numbers $A = 1100$ and $B = 1001$ are applied to the inputs of a comparator. What are the output levels?

- A. $A > B = 1, A < B = 0, A = B = 1$
- B. $A > B = 0, A < B = 1, A = B = 0$
- C. $A > B = 1, A < B = 0, A = B = 0$
- D. $A > B = 0, A < B = 1, A = B = 1$

Q. 35. Convert the fractional decimal number 6.75 to binary.

- A. 0111.1100
 - B. 0110.1010
 - C. 0110.1100
 - D. 0110.0110
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SPACE FOR ROUGH WORK