

# CS302 Current Midterm Paper 2022

## Digital Logic Design

For solved current papers, past papers, handouts and more materials visit

[VUAnswer.pk](http://VUAnswer.pk)

### CS302

S-R NOR latch

A<B comparator

Boolean expression of SOP and truth table

Logic diagram given thi gates lgany thy

### CS302

Mcqs almost Past paper, kuch handouts sy thy.

Short questions 🙋

How many input and output bit do a half adder contain?

Answer: A particular Half adder has 2 input and 2 output.

The conversation of decimal 2075 to Octal using the repeated division-by-8 method.

Answer: page 32

Long question:

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## CS302 Current Midterm Paper 2022

Timing diagram of NOR gate, function table banana si,

Multiplexers 8-to-4 function table banana si

### Cs302 paper

I have not read Past papers so I don't have any idea that paper is from past papers or completely new and M.C.Q are from Topics comparator, Multiplexer, BCD, Gray Code, Boolean expressions, Logic Gates, and most are from last lectures from 10 onwards

1-Multiplexer convert 4-1 bit Boolean expression  $A.B.C = A'B + AC + B'C$

2- Convert 74 and 257 into BCD and put odd parity in their results

3- fill the boxes using 4-bit comparator Result

$A \oplus B \oplus C$  ;  $A=B$   $A<B$   $A>B$

### cs302 ka paper

multiplexes ka bary ma long aya tha.

Ak long binary ko decimal ma change kerna tha.

Short  $a=b$  answer 1 Ana tha conditions btani thi.

Digital systems ksa kam kerta ha.

### CS302

Q:1 SOP to POS conversation

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## CS302 Current Midterm Paper 2022

Q:2 Binary to Octal conversation

Q:3 K-map mai convert krna tha POS expression ko

Q:4 ABEL k according gates k symbols write krny thy

Q:5 Difference b/w BCD to decimal Decoder.

Mostly MCQs from past papers.

### CS302

M.C.Q are from Topics

comparator,

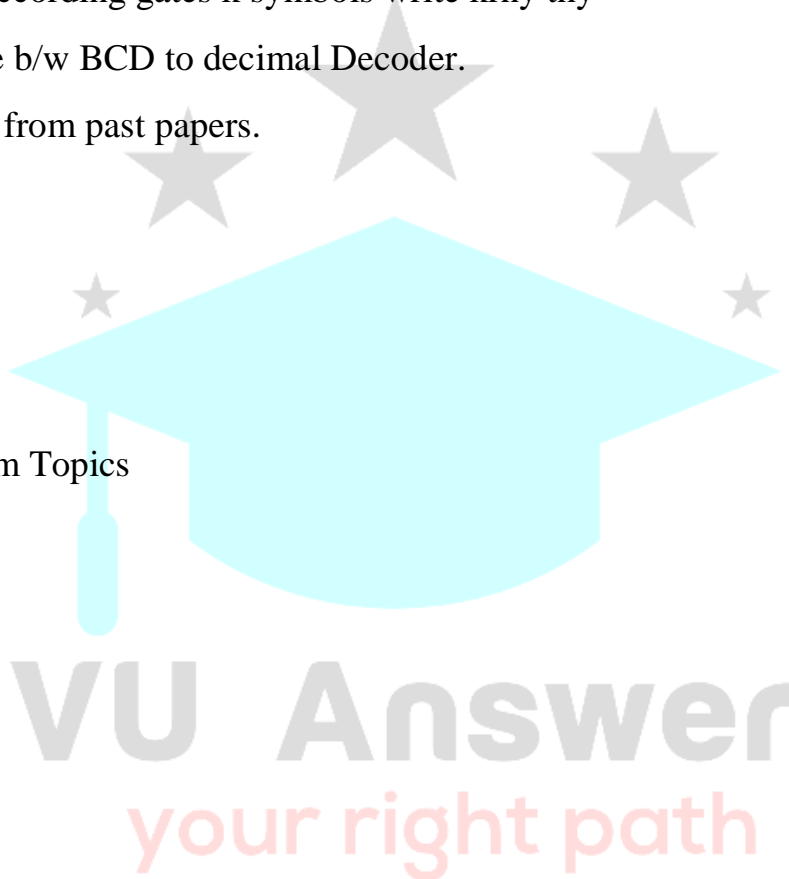
Multiplexer,

and

demultiplexer,

BCD,

Gray Code,



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## CS302 Current Midterm Paper 2022

Boolean expressions,

Logic Gates,

and most are from last lectures from 10 an onwards

1-De-Multiplexer convert 1-4 bit Boolean expression

1 SOP to POS conversation

2 Binary to Octal conversation

Some MCQs from past papers and some book masay thay.

Book ko zaroor read ker k Jana us say Ap k concept clear Ho Jay gay..

### Cs302

1.Decimal to binary conversion.

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## CS302 Current Midterm Paper 2022

2. The NAND gate-based S-R (Set-Reset) Latch

(Truth Table)

3. 1 circuit ki output expression batanai the.

4. Comparative circuit main  $A < B$  ki K-Mapping karni the.

5. SOP sy POS conversion the.

### CS302

MOSTLY MCQS FROM PAST PAPERS FILE

SUBJECTIVE

PAL AND PLA DIFFERENCE

RULES OF ALGEBRA

CONVERT EXPRESSIONS ACCORDING TO RULES OF ALGEBRA

### CS302 TODAY PAPER

1 AND gate ka truth table 5 marks ka

2 timing diagram ka truth table

5 marks ka Q3 KANGHROU MAP KA EK QUESTION

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## CS302 Current Midterm Paper 2022

5 number ka that question table NOR dia hua tha oska output opar nichay tha osko correct krna tha

### Cs302 Today paper

Mcqs kuch quiz file sey teh..isky baad

MCQS Topics:

logic Gates Boolean expression main sey bny hue teh and encoder, decoder, multiplexer ye topics yahn sey bny hue teh

QUESTION

logic Gates truth table wahn sey tah means make krna tah Nand gate ka

2nd: theory base aik question

3rd: ABEL TOPIC

4TH: SOP AND POS TOPIC

### Cs302 today paper.

20 msqs thy jo past files sy ur handouts sy thy.

3 short questions thy

Aik mn output nekalni the 2-to-4 decoder k mutabiq

Or dosry mn truth table bnane the or

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## CS302 Current Midterm Paper 2022

Tesry mn formulas likhny thy noise low nd high level margin measurement waly

2 long thy

Aik boolean algebra law sy equation solve krne the or

Dosry mn frictional binary numbers ko decimal numbers mn change krna tha.

### Note:

For any subjects solved current papers and past papers files contact us.

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Current paper and important thoughts are recommended there will be highly chance to ask in exams as repeated questions.

**REGARD: SIR SARIM**

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