

YOUTUBE CHANNEL S KHAN ACADEMY



14.7 K/s ② ① 4G 3G 80 6:07 PM



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MC200402420: HIRA RAB NAWAZ

Time Left 86 sec(s)

CS402:Quiz# 01

Quiz Start Time: 06:06 PM, 05 August 2021

Question # 3 of 10 (Start time: 06:08:27 PM, 05 August 2021)

Total Marks: 1

A non regular language can be represented by

Select the correct option

☐	TG
☒	None of the given options
☐	FA
☐	RE

Click to Save / Answer / Go to Next Question

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YOUTUBE CHANNEL S KHAN ACADEMY

LS402 Quiz # 01

Quiz Start Time: 06:51 PM, 05 August 2021

Question # 1 of 10 (Start time: 06:51:03 PM, 05 August 2021)

Total Marks: 1

The strings or words which do not belong to a language are called _____ of that language.

Select the correct option

☐	Union
☒	Complement
☐	Quotient
☐	Intersection

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YOUTUBE CHANNEL S KHAN ACADEMY

CS402:Quiz# 01

Quiz Start Time: 06:51 PM, 05 August 2021

Question # 6 of 10 (Start time: 06:59:16 PM, 05 August 2021)

Total Marks: 1

The complement of a regular language is also _____.

Select the correct option

☒	regular
☐	irregular but infinite
☐	irregular but finite
☐	irregular

YOUTUBE CHANNEL S KHAN ACADEMY

C5402 Quiz # B1

Quiz Start Time: 06:51 PM, 05 August 2021

Question # 3 of 10 (Start time: 06:54:52 PM, 05 August 2021)

Total Marks: 1

If the intersection of two regular languages is regular then the complement of the intersection of these two languages is _____.

Select the correct option

☐	irregular but finite
☐	irregular
☐	irregular but infinite
☒	regular

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YOUTUBE CHANNEL S KHAN ACADEMY

MC210302565 MUHAMMAD MUBASHIR



CS402-Quiz # 01

Quiz Start Time: 06:51 PM, 05 August 2021

Question # 5 of 10 (Start time: 06:57:24 PM, 05 August 2021)

Total Marks: 1

The production $S \rightarrow SS \mid a \mid b \mid ^\wedge$ can be expressed by Regular expression _____.

Select the correct option

☐	$(ab)^*$
☒	$(a+b)^*$
☐	$(a+b)^+$
☐	$(a+b)$

Click on the correct answer to mark the question

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MC216202565 MUHAMMAD MUBASHIR

Time Left 87 sec(s)

CS402:Quiz # 01

Quiz Start Time: 06:51 PM, 05 August 2021

Question # 4 of 10 (Start time: 06:56:24 PM, 05 August 2021)

Total Marks: 1

Which of the following represent the absence and presence of current in sequential circuit respectively?

Select the correct option

☒	0, 1
☐	0, 0
☐	1, 0
☐	1, 1

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MC210202565: MUHAMMAD MUBASHIR

Time Left 86 sec (a)

CS402:Quiz# 01

Quiz Start Time: 06:51 PM, 05 August 2021

Question # 7 of 10 (Start time: 07:00 08 PM, 05 August 2021)

Total Marks: 1

A problem is said to be _____ if there exists an algorithm that provides the solution in _____ number of steps.

Select the correct option

☐	effectively solvable, infinite
☐	effectively unsolvable, finite
☐	effectively unsolvable, infinite
☒	effectively solvable, finite

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7:01 PM



4G 22.7 K/s



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6



MC210202565- MUHAMMAD MUBASHIR

Time Left 87 sec(s)

CS402 Quiz # 01

Quiz Start Time: 06:51 PM, 05 August 2021

Question # 8 of 10 (Start time: 07:01:44 PM, 05 August 2021)

Total Marks: 1

Which of the following is a non-regular language?

Select the correct option

☒	Prime
☐	Even-Even
☐	Odd-Odd
☐	Language of strings ending in abba

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CS402: Quiz # 01

Quiz Start Time: 06:51 PM, 05 August 2021

Question # 9 of 10 (Start time: 07:02:43 PM, 05 August 2021)

Total Marks: 1

The grammatical rules which involve meaning of words are called _____.

Select the correct option

☐	alphabets
☐	strings
☐	syntactics
☒	semantics



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MC210202565 MUHAMMAD MUBASHIR



CS402: Quiz # 01

Quiz Start Time: 06:51 PM, 05 August 2021

Question # 10 of 10 (Start time: 07:03:47 PM, 05 August 2021)

Total Marks: 1

Which of the following refers to the set of strings of letters that when concatenated to the front of some word in Q produces some word in R?

Select the correct option

☒	Pref(Q in R)
☐	Pref(R in Q)
☐	Postf(Q in R)
☐	Postf(R in Q)

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MC200402420: HIRA RAB NAWAZ



CS402:Quiz# 01

Quiz Start Time: 06:06 PM, 05 August 2021

Question # 10 of 10 (Start time: 06:14:51 PM, 05 August 2021)

Total Marks: 1

If there is no final state of two FAs then their _____ also have no _____ state

Select the correct option

☒	union, final
☐	final, union
☐	union, initial
☐	initial, union

[Click to Edit / Insert / Delete / Hide](#)

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27 K/s 2 46 36 78 6:12 PM



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CS402:Quiz# 01

Question # 9 of 10 (Start time: 06:12:32 PM, 05 August 2021)

The CFG $S \rightarrow aSb|ab|\Lambda$ is used to express the language _____.

Select the correct option

☐	Palindrome
☐	Prime
☐	Even
☒	Equal

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14.7 K/s ② ③ 4G 3G 80 6:07 PM



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MC200402420: HIRA RAB NAWAZ

Time Left 86 sec(e)

CS402:Quiz# 01

Quiz Start Time: 06:06 PM, 05 August 2021

Question # 3 of 10 (Start time: 06:08:27 PM, 05 August 2021)

Total Marks: 1

A non regular language can be represented by

Select the correct option

☐	TG
☒	None of the given options
☐	FA
☐	RE

[Click to Save / Answer](#) [Click to Next Question](#)

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205 K/s 4G 3G 79 6:08 PM



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Time Left 89 sec(s)

CS402:Quiz# 01

Quiz Start Time: 06:06 PM, 05 August 2021

Question # 4 of 10 (Start time: 06:09:16 PM, 05 August 2021)

Total Marks: 1

A language ending with 'b' partitions Σ^* into _____ distinct classes.

Select the correct option

☐	five
☐	four
☐	three
☒	two

Click to Save Answer & Move to Next Question

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YOUTUBE CHANNEL S KHAN ACADEMY



1.4 K/s 2 4G 3G 78 6:11 PM



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MC200402420: HIRA RAB NAWAZ

Time Left 89 sec(s)

CS402:Quiz# 01

Quiz Start Time: 06:06 PM, 05 August 2021

Question # 8 of 10 (Start time: 06:12:04 PM, 05 August 2021)

Total Marks: 1

A problem that has decision procedure is called _____ problem.

Select the correct option

☐	un-decidable
☐	Infinite
☐	Regular language
☒	decidable

Click to Save / Answer / Go to Next Question

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YOUTUBE CHANNEL S KHAN ACADEMY



38.6 K/s 1 4G 3G 80 6:06 PM



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MC200402420: HIRA RAB NAWAZ

Time Left 89 sec(s)

CS402:Quiz# 01

Quiz Start Time: 06:06 PM, 05 August 2021

Question # 2 of 10 (Start time: 06:07:03 PM, 05 August 2021)

Total Marks: 1

The reverse of the string sbfsbb over { sb, f, b }

Select the correct option

☐	bsfbsb
☒	bsbfsb
☐	bbsfbs
☐	sbbfsb

[Click to Save Answer](#) [Click to Next Question](#)

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YOUTUBE CHANNEL S KHAN ACADEMY



26.5 K/s 1 4G 3G 80 6:05 PM



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MC200402420: HIRA RAB NAWAZ

Time Left 89 sec(s)

CS402:Quiz# 01

Quiz Start Time: 06:06 PM, 05 August 2021

Question # 1 of 10 (Start time: 06:06:15 PM, 05 August 2021)

Total Marks: 1

In $\text{pref}(Q \text{ in } R)$, Q is _____ to/than R .

Select the correct option

☒	Not equal
☐	Greater
☐	Smaller
☐	Equal

[Click to Save Answer & Go to Next Question](#)

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YOUTUBE CHANNEL S KHAN ACADEMY

6:55 PM

15 K/s



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MC210202565 MUHAMMAD MUBASHIR

Time Left 86 sec(s)

CS402:Quiz # 01

Quiz Start Time: 06:51 PM, 05 August 2021

Question # 3 of 10 (Start time: 06:54:52 PM, 05 August 2021)

Total Marks: 1

If the intersection of two regular languages is regular then the complement of the intersection of these two languages is _____.

Select the correct option

- | | |
|----------------------------------|------------------------|
| ☐ | irregular but finite |
| ☐ | irregular |
| ☐ | irregular but infinite |
| ☒ | regular |

Click on Correct / Wrong / Mark Question

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YOUTUBE CHANNEL S KHAN ACADEMY

6:51 PM

18.2 K/s 42%



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MC210202565: MUHAMMAD MUBASHIR

Time Left 86 sec(s)

CS402: Quiz # 01

Quiz Start Time: 06:51 PM, 05 August 2021

Question # 1 of 10 [Start time: 06:51:03 PM, 05 August 2021]

Total Marks: 1

The strings or words which do not belong to a language are called _____ of that language.

Select the correct option

☐	Union
☒	Complement
☐	Quotient
☐	Intersection

Click on Save Answer or Mark as Favorite

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YOUTUBE CHANNEL S KHAN ACADEMY

6:56 PM

24.9 K/s 41%



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MC210202565: MUHAMMAD MUBASHIR

Time Left: 87 sec(s)

CS402: Quiz # 01

Quiz Start Time: 06:51 PM, 05 August 2021

Question # 4 of 10 (Start time: 06:56:24 PM, 05 August 2021)

Total Marks: 1

Which of the following represent the absence and presence of current in sequential circuit respectively?

Select the correct option

☒	0, 1
☐	0, 0
☐	1, 0
☐	1, 1

Please Save/Cancel/Mark this question

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6:59 PM

1.4 K/s 4



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MC210202565 MUHAMMAD MUBASHIR

Time Left 81 sec(s)

CS402:Quiz# 01

Quiz Start Time: 06:51 PM, 05 August 2021

Question # 6 of 10 [Start time: 06:59:16 PM, 05 August 2021]

Total Marks: 1

The complement of a regular language is also _____.

Select the correct option

☒	regular
☐	irregular but infinite
☐	irregular but finite
☐	irregular

[Back] [Save] [Answer] [Previous] [Next] [Quit]

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