



Hints to identify as MSQ:

- MSQ's are now being given in IIT- JEE advanced for the last several years. It is given as a separate section and clearly mentioned. partial marks are there in IIT-JEE

Coming to GATE exam also they may specify.

- If not specified grammatical hints will be given as follows
 1. is/are
 2. Statement(s)
 3. Characteristic(s)
 4. Instrument(s)
 5. Singular(Plural), by giving 's' in brackets indication for more than one
- In a nutshell Common-sense, minimum English knowledge can signal about MSQ (Multiple Select Questions)
- No negative marking for MSQ
- Say of the four options, three are correct. But you have marked only two correct options. You will not get partial marks like in IIT –JEE
- ❖ We are providing examples of MSQ in general /technical updates VERY SHORTLY WE WILL UPLOAD VIDEOS EXPLAINING ALL FEATURES

ALL THE BEST



Another hint to identify a MSQ:

➤ As per NPTEL lectures and assignments the following are the notations

for MCQ - Radio button ☐

for MSQ - Check box ☐

Example Questions for MCQ (Multiple Choice Questions) Type

Q. Who is the son of King Dasaratha in Ramayana?

- ☐ Ravana
- ☐ Hanuma
- ☐ Krishna
- ☐ Rama

How to select correct Option

Q. Who is the son of King Dasaratha in Ramayana?

- ☐ Ravana
- ☐ Hanuma
- ☐ Krishna
- ☒ Rama

Ans: (4)



Example Questions for MSQ (Multiple Selected Questions) Type

Q. Who is/are the son(s) of King Dasaratha in Ramayana?

- ☐ Rama
- ☐ Shathrugna
- ☐ Ravana
- ☐ Bharatha

How to select correct Option(s)

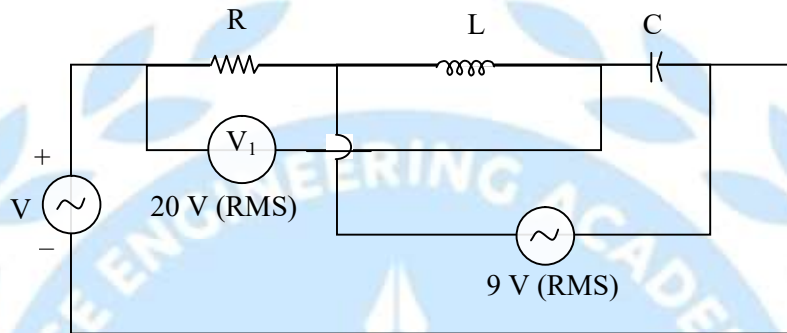
Q. Who is/are the son(s) of King Dasaratha in Ramayana?

- ☒ Rama
- ☒ Shathrugna
- ☐ Ravana
- ☒ Bharatha

Ans: (1, 2 & 4)

Example Questions for MSQ (Multiple Selected Questions) Type

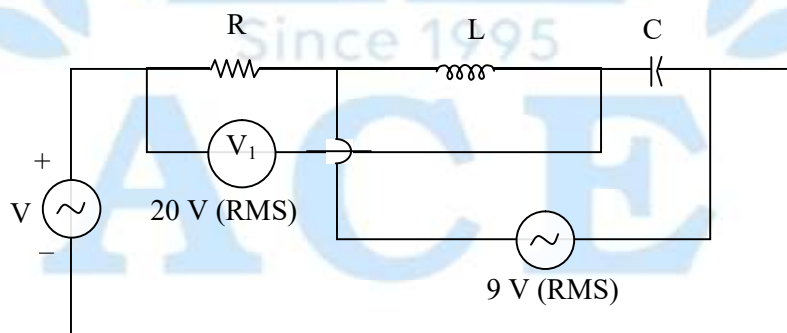
Q1. In the case of the R-L-C circuit shown in the given figure the voltage(s) across the capacitor would be



- ☐ 7V
- ☐ 12 V
- ☐ 25 V
- ☐ 16 V

How to select correct Option(s)

Q1. In the case of the R-L-C circuit shown in the given figure the voltage(s) across the capacitor would be

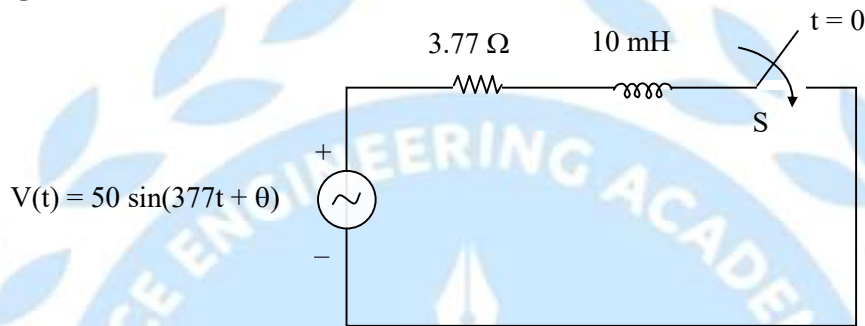


- ☒ 7 V
- ☐ 12 V
- ☒ 25 V
- ☐ 16 V

Ans: a, c

Example Questions for MSQ (Multiple Selected Questions) Type

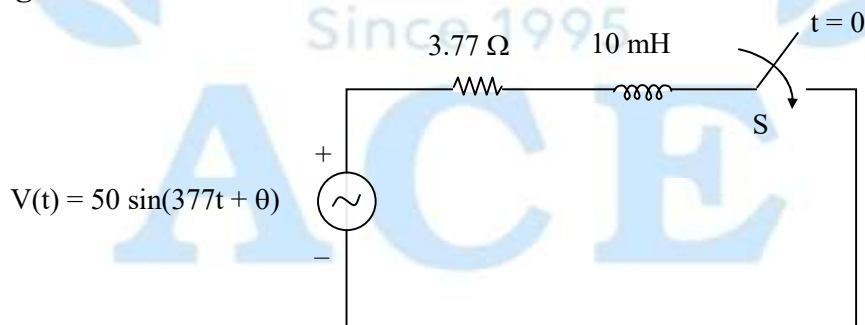
Q2. In the circuit shown below, the switch is closed at $t = 0$. The value(s) of θ in degrees which will give maximum value of D.C off-set of the current at the time of switching is



- ☐ -30°
- ☐ -45°
- ☐ 90°
- ☐ 135°

How to select correct Option(s)

Q2. In the circuit shown below, the switch is closed at $t = 0$. The value(s) of θ in degrees which will give maximum value of D.C off-set of the current at the time of switching is

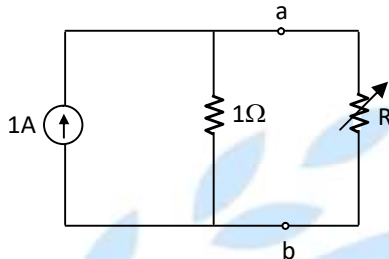


- ☐ -30°
- ☒ -45°
- ☐ 90°
- ☒ 135°

Ans: b, d

Example Questions for MSQ (Multiple Selected Questions) Type

Q3. Consider the following circuit.



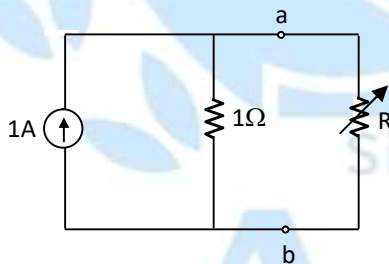
When 25% of maximum deliverable power transferred to the load R,

The value(s) of R is/are

- ☐ 83.5 m Ω
- ☐ 71.7 m Ω
- ☐ 13.9 Ω
- ☐ 14.8 Ω

How to select correct Option(s)

Q3. Consider the following circuit.



When 25% of maximum deliverable power transferred to the load R,

The value(s) of R is/are

- ☐ 83.5 m Ω
- ☒ 71.7 m Ω
- ☒ 13.9 Ω
- ☐ 14.8 Ω

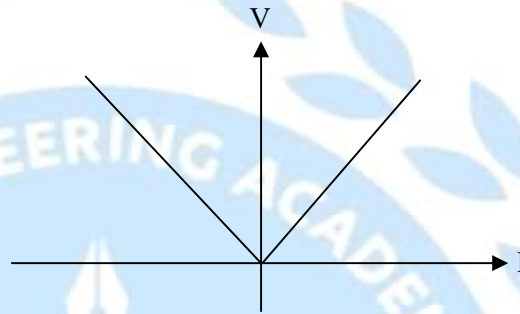
Ans: (b & c)

Example Questions for MSQ (Multiple Selected Questions) Type

Q4. The V-I characteristic of an element is shown in the figure given below,

The element has the property/ properties as

- ☐ Non linear
- ☐ Linear
- ☐ Active
- ☐ Unilateral

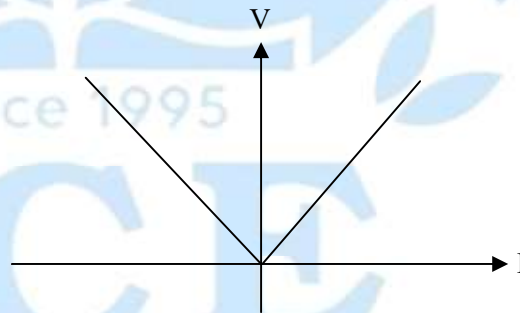


How to select correct Option(s)

Q4. The V-I characteristic of an element is shown in the figure given below,

The element has the property/ properties as

- ☒ Non linear
- ☐ Linear
- ☒ Active
- ☒ Unilateral



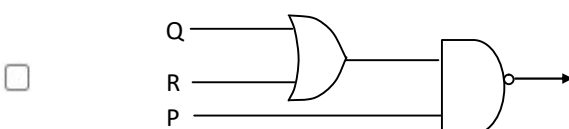
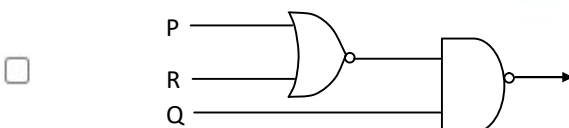
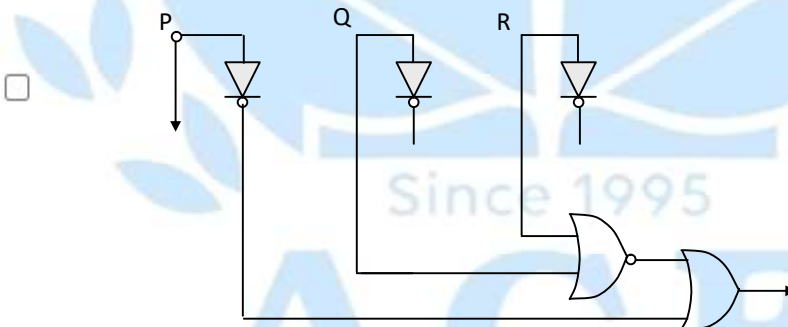
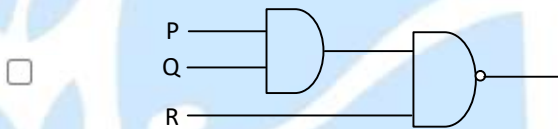
Ans: a, c & d

Example Questions for MSQ (Multiple Selected Questions) Type

Q5. Consider the k-map shown in the figure,

PQ \ RS	00	01	11	10
00	1	1	1	1
01	1	1	×	1
11	0	0	0	0
10	1	1	0	0

Which of the following Circuit(s) can produce the Boolean function which is suitable to the obtained Boolean expression of k-map?

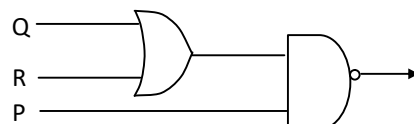
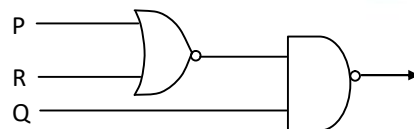
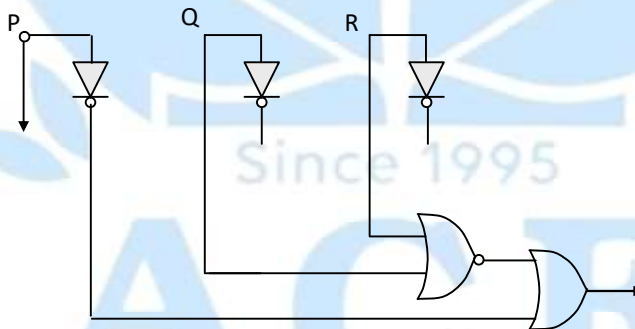
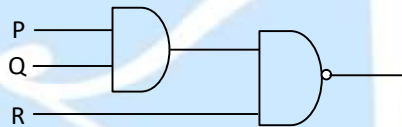


How to select correct Option(s)

Q5. Consider the k-map shown in the figure,

PQ \ RS	00	01	11	10
00	1	1	1	1
01	1	1	×	1
11	0	0	0	0
10	1	1	0	0

Which of the following Circuit(s) can produce the Boolean function which is suitable to the obtained Boolean expression of k-map?



Ans: b, d



Example Questions for MSQ (Multiple Selected Questions) Type

Q6. Which of the following is/are the indicating instrument(s)?

- ☐ PMMC
- ☐ MI
- ☐ EMMC
- ☐ Energy meter

How to select correct Option(s)

Q6. Which of the following is/are the indicating instrument(s)?

- ☒ PMMC
- ☒ MI
- ☒ EMMC
- ☐ Energy meter

Ans: a, b, c



Example Questions for MSQ (Multiple Selected Questions) Type

Q7. Which of the following work/works on the principle of Magnetic effect?

- ☐ PMMC
- ☐ MI
- ☐ Electrostatic voltmeter
- ☐ EMMC

How to select correct Option(s)

Q7. Which of the following work/works on the principle of Magnetic effect?

- ☒ PMMC
- ☒ MI
- ☐ Electrostatic voltmeter
- ☒ EMMC

Ans: a, b, d.



Example Questions for MSQ (Multiple Selected Questions) Type

Q8. Resistive Transducer(s) is/are

- ☐ **Passive Transducer**
- ☐ **The externally power driven Transducer**
- ☐ **An active Transducer**
- ☐ **A Transducer which works on self generating principle**

How to select correct Option(s)

Q8. Resistive Transducer(s) is/are

- ☒ **Passive Transducer**
- ☒ **The externally power driven Transducer**
- ☐ **An active Transducer**
- ☐ **A Transducer which works on self generating principle**

Ans: a, b