



# Teachingninja.in



**Latest Govt Job updates**



**Private Job updates**



**Free Mock tests available**

**Visit - [teachingninja.in](http://teachingninja.in)**

# UPMRC JE

**Previous Year Paper**

**(Electrical)**

**11 May, 2024**





UP Metro Rail Corporation

## Uttar Pradesh Metro Rail Corporation Limited

### उत्तर प्रदेश मेट्रो रेल कॉर्पोरेशन लिमिटेड

A joint Venture of Govt. of India and Govt. of Uttar Pradesh

Participant ID	
Participant Name	
Test Center Name	
Test Date	11/05/2024
Test Time	9:00 AM - 11:00 AM
Subject	Junior Engineer Electrical

Section : Section A

Q.1 Which logic gate does the truth table given below represent?

(A and B are the inputs and Y is the output.)

A	B	Y
0	0	1
1	0	1
0	1	1
1	1	0

Ans  A. NOR

B. NAND

C. AND

D. OR

Question ID : 630680777283

Status : Answered

Chosen Option : B

Q.2 Select the most appropriate meaning of the given proverb.

There is no garden without its weeds.

Ans  A. All gardens have some or the other kind of troubles.

B. There is no perfection; everybody and everything has faults.

C. It is impossible to imagine a garden without weeds.

D. Searching for a perfect garden is a false attempt.

Question ID : 630680317849

Status : Answered

Chosen Option : B

Q.3 Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which is the one that does not belong to that group?

Ans  A. NKL

B. TQO

C. KGD

D. HEC

Question ID : 630680360177

Status : Answered

Chosen Option : C



Teachingninja.in

Q.4 An AC source of peak value 20 V is connected in series with a silicon diode and a load resistance of  $1000\ \Omega$ . Neglecting the forward resistance of the diode, what is the peak value of output voltage?

Ans  A. 19.3 V  
 B. 19.7 V  
 C. 0 V  
 D. 10 V

Question ID : 630680777255

Status : Answered

Chosen Option : D

Q.5 Which of the following is generally used as an electrolyte in lead-acid batteries?

Ans  A. Potassium hydroxide  
 B. Nitric acid  
 C. Hydrochloric acid  
 D. Sulphuric acid

Question ID : 630680777263

Status : Answered

Chosen Option : D

Q.6 In March 2021, the Parliament passed the Constitution (Scheduled Castes) Order (Amendment) Bill, 2021. This bill was introduced to modify the list of Scheduled Castes in which state of India?

Ans  A. Tamil Nadu  
 B. Karnataka  
 C. Kerala  
 D. Andhra Pradesh

Question ID : 630680116395

Status : Answered

Chosen Option : B

Q.7 A low-pass filter has an input signal-to-noise ratio of 25. What will be the noise voltage if the input voltage is 5 mV?

Ans  A. 1 mV  
 B. 0.02 mV  
 C. 0.5 mV  
 D. 0.04 mV

Question ID : 630680777299

Status : Answered

Chosen Option : B

Q.8 The bandwidth of a CRO is 0–20 MHz. What is the fastest rise time of the sine wave that can be reproduced accurately?

Ans  A. 17.5 ns  
 B. 20 ns  
 C. 70 ns  
 D. 35 ns

Question ID : 630680777300

Status : Answered

Chosen Option : A

Q.9 Which of the following statements is/are true?

1. An electric drive is simple, clean and reliable.
2. Electric drive is costlier in terms of initial as well as in maintenance cost.

Ans  A. Only 1  
 B. Only 2  
 C. Both 1 and 2  
 D. Neither 1 nor 2

Question ID : 630680777235

Status : Answered

Chosen Option : A

Q.10 As per the census 2011, which of the following states had the highest gap in literacy rates between males and females?

Ans  A. Bihar  
 B. Kerala  
 C. Rajasthan  
 D. Jharkhand

Question ID : 630680283346

Status : Marked For Review

Chosen Option : A

Q.11 The person who calls people to pray in a mosque is called:

Ans  A. Haji  
 B. Paigamber  
 C. Imam  
 D. Muezzin

Question ID : 630680571602

Status : Answered

Chosen Option : C

Q.12 What will be the susceptance of a circuit if its impedance is  $(2 - j4) \Omega$ ?

Ans  A. 0.25 S  
 B. 0.5 S  
 C. 0.2 S  
 D. 0.4 S

Question ID : 630680777207

Status : Answered

Chosen Option : B

Q.13 30 litres of a mixture contains milk and water in the ratio 8 : 4. If 6 litres of this mixture is replaced by 6 litres of milk, the ratio of milk to water in the new mixture will be:

Ans  A. 1 : 4  
 B. 1 : 8  
 C. 11 : 8  
 D. 11 : 4

Question ID : 630680131489

Status : Answered

Chosen Option : C

Q.14 A shunt generator delivers an armature current of 200 A at full load. If the load voltage is 200 V and the resistance of the armature winding is  $0.1 \Omega$ , then what is the induced EMF?

Ans  A. 180 V  
 B. 190 V  
 C. 210 V  
 D. 220 V

Question ID : 630680777218

Status : Answered

Chosen Option : D

Q.15 शब्द BLUSTERING के प्रत्येक स्वर को अंग्रेजी वर्णनक्रम में उसके बाद आने वाले दूसरे अक्षर से बदल दिया जाता है और प्रत्येक व्यंजन को अंग्रेजी वर्णनक्रम में उसके लीक पहले आने वाले अक्षर से बदल दिया जाता है। इस प्रकार बने अक्षरों के समूह में कितने अक्षर दो बार आयेंगे?

Ans  A. एक  
 B. तीन  
 C. दो  
 D. शून्य

Question ID : 630680533509

Status : Answered

Chosen Option : A

Q.16 1 Wh of energy is equivalent to \_\_\_\_ joules.

Ans  A. 3600

B. 3.6

C.  $3.6 \times 10^6$

D.  $3.6 \times 10^3$

Question ID : 630680777200

Status : Answered

Chosen Option : A

Q.17 The HCF of  $\frac{1}{3}$ ,  $\frac{2}{5}$ ,  $\frac{3}{7}$  and  $\frac{4}{7}$  is:

Ans  A.  $\frac{1}{15}$

B.  $\frac{1}{105}$

C.  $\frac{1}{7}$

D.  $\frac{1}{21}$

Question ID : 630680630073

Status : Answered

Chosen Option : D

Q.18 What is the Boolean expression for two input (A and B) NOR gate?

Ans  A.  $\overline{A + B}$

B.  $A + B$

C.  $\overline{A} + \overline{B}$

D.  $AB$

Question ID : 630680777279

Status : Answered

Chosen Option : A

Q.19 Which of the following options does NOT represent a property of a soft ferromagnetic material?

Ans  A. It is used to make electromagnets.

B. It has high coercivity.

C. It has a narrow hysteresis loop.

D. It can be easily magnetised.

Question ID : 630680777276

Status : Answered

Chosen Option : B

Q.20 What is the frequency of the EMF induced in the armature winding of a DC generator in terms of speed (N) (in rpm) and the number of poles (P)?

Ans  A.  $\frac{NP}{60}$

B. Zero

C.  $\frac{NP}{2}$

D.  $\frac{NP}{120}$

Question ID : 630680775252

Status : Answered

Chosen Option : D

Q.21 Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

- A. Because they must be constantly on the lookout for predators, the marine mammals have developed a neat trick of maintaining partial consciousness even as part of their brain sleeps.
- B. Dolphins are known to be one of the smartest animals on the planet, possibly because they can conserve their brain power.
- C. But they have found that even after five days of having their nocturnal alertness constantly tested, they've remained as alert and perceptive as ever.
- D. Researchers have tested whether this 'half sleep' negatively impacts the animals' alertness during the day.

Ans  A. BADC  
 B. BACD  
 C. BCDA  
 D. BCAD

Question ID : 630680204442

Status : Answered

Chosen Option : A

Q.22 Which of the following statements is/are true?

- 1. The O. C. test on a transformer, conducted on the LV side of the transformer, gives the core loss when the LV side is applied with its rated voltage.
- 2. The S. C. test on a transformer, conducted on the HV side of the transformer, gives the full-load copper loss when the full-load current is allowed to flow through the windings.

Ans  A. Only 2  
 B. Only 1  
 C. Both 1 and 2  
 D. Neither 1 nor 2

Question ID : 630680777228

Status : Answered

Chosen Option : C

Q.23 Which of the following types of motor does NOT possess inherent regenerative braking?

Ans  A. DC shunt motor  
 B. Three-phase induction motor  
 C. DC series motor  
 D. Separately excited DC motor

Question ID : 630680777240

Status : Answered

Chosen Option : C

Q.24 Which day is observed as Social Empowerment Day to commemorate Mahatma Gandhi's birth anniversary?

Ans  A. 20 March  
 B. 20 January  
 C. 20 February  
 D. 20 April

Question ID : 63068087069

Status : Not Answered

Chosen Option : --

Q.25 A moving-coil voltmeter has a uniform scale with 200 divisions and the full-scale reading is 200 V. What is the resolution of the voltmeter if one-fifth of the scale division can be estimated accurately?

Ans  A. 0.2 V  
 B. 0.1 V  
 C. 0.5 V  
 D. 1 V

Question ID : 630680777292

Status : Answered

Chosen Option : A

**Q.26** Specific gravity of the electrolyte is an indication of state of charge of the battery. How is the specific gravity measured?

Ans  A. By using a barometer  
 B. By using a hydrometer  
 C. By using a calorimeter  
 D. By using a pH meter

Question ID : 630680777269

Status : Answered

Chosen Option : D

**Q.27** Which of the following statements is/are true?

1. In a feedback system, the controlled variable follows the desired variable.
2. Feedback control allows accurate control of the output.

Ans  A. Only 1  
 B. Both 1 and 2  
 C. Only 2  
 D. Neither 1 nor 2

Question ID : 630680777258

Status : Answered

Chosen Option : B

**Q.28** Which motor is used in generator type DC welding set?

Ans  A. Cumulatively compounded DC generator  
 B. DC series generator  
 C. Differentially compounded DC generator  
 D. DC shunt generator

Question ID : 630680777241

Status : Answered

Chosen Option : C

Section : Section B

**Q.1** What is the unit of luminous intensity?

Ans  A. Lumens/steradian  
 B. Lumens/radian  
 C. Lumens/m  
 D. Lumens/watt

Question ID : 630680777233

Status : Answered

Chosen Option : A

**Q.2** Who among the following is the first Indian woman to clinch the International Cricket Council's 'Player of the Month' award?

Ans  A. Smriti Mandhana  
 B. Jhulan Goswami  
 C. Jemimah Rodrigues  
 D. Harmanpreet Kaur

Question ID : 630680196031

Status : Answered

Chosen Option : D

Q.3 Which of the following is the correct expression for illumination on a surface that is inclined at angle 'θ' from the surface that is normal to the light rays?  
(Consider that 'I' is the luminous intensity of the source and 'r' is the distance of the source from the surface that is normal to the light rays.)

Ans ✓ A.  $\frac{I \cos \theta}{r^2}$

✗ B.  $\frac{I^2 \cos \theta}{r}$

✗ C.  $\frac{I^2 \cos \theta}{r^2}$

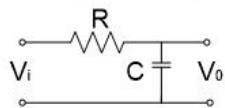
✗ D.  $\frac{I \cos \theta}{r}$

Question ID : 630680777238

Status : Answered

Chosen Option : A

Q.4 What is the transfer function of the RC circuit shown below?



Ans ✗ A.  $\frac{s}{1 + sRC}$

✗ B.  $\frac{sR}{1 + sRC}$

✓ C.  $\frac{1}{1 + sRC}$

✗ D.  $\frac{s}{s + RC}$

Question ID : 630680777260

Status : Answered

Chosen Option : A

Q.5 उपादान लागत की गणना कैसे की जाती है?

Ans ✗ A. बाजार मूल्य - मूल्यहास

✗ B. बाजार मूल्य + मूल्यहास

✗ C. बाजार मूल्य + निवल अप्रत्यक्ष कर

✓ D. बाजार मूल्य - निवल अप्रत्यक्ष कर

Question ID : 63068068823

Status : Answered

Chosen Option : D

Q.6 निम्नलिखित में से किसने अपनी रचनाओं में रजिया सुल्तान के लिंग (जेंडर) के कारण शासक के रूप में उसकी स्थिति के प्रति असंतोष प्रकट किया था?

Ans ✗ A. अबुल फ़ज़ल

✓ B. मिन्हाज-उस-सिराज

✗ C. याह्वा-बिन अहमद सरहिंदी

✗ D. हसन निजामी

Question ID : 630680333529

Status : Not Answered

Chosen Option : --

Q.7 Select the most appropriate meaning of the given idiom.

Too many irons in the fire

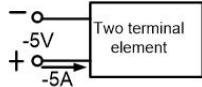
Ans  A. A person who is frustrated and disappointed  
 B. A person who interferes in others affair  
 C. A person who is engaged in many activities  
 D. A person having many friends to offer help

Question ID : 630680134948

Status : Answered

Chosen Option : C

Q.8 What is the power absorbed by the two-terminal element shown in the figure below?



Ans  A. -25 W  
 B. 25 W  
 C. -10 W  
 D. 10 W

Question ID : 630680777199

Status : Answered

Chosen Option : B

Q.9 A DC motor develops 180 V when connected to a 200 V supply. What is the current drawn from the supply if the armature resistance is  $0.5 \Omega$ ?

Ans  A. 40 A  
 B. 80 A  
 C. 20 A  
 D. 400 A

Question ID : 630680777217

Status : Answered

Chosen Option : A

Q.10 'N<sub>s</sub>' is the speed of the rotating magnetic field and 'N' is the speed of the rotor of a three-phase induction motor with respect to the stator. What is the difference between the two speeds ( $N_s - N$ ) in terms of the slip of the motor (s)?

Ans  A.  $(1 - s)^2 N_s$   
 B.  $s N_s$   
 C.  $(1 - s) N_s$   
 D.  $s^2 N_s$

Question ID : 630680777225

Status : Answered

Chosen Option : B

Q.11 Equal resistances of  $100 \Omega$  each are connected in each arm of a Wheatstone bridge, which is supplied by a 2 V battery source. The galvanometer used has negligible resistance and can sense as low as  $1 \mu\text{A}$ . What is the smallest value of resistance that can be measured with this arrangement?

Ans  A.  $20 \mu\Omega$   
 B.  $200 \text{ m}\Omega$   
 C.  $20 \text{ m}\Omega$   
 D.  $2 \mu\Omega$

Question ID : 630680777301

Status : Not Answered

Chosen Option : --



Q.12 Select the most appropriate option to fill in the blank.

There is something undoubtedly very \_\_\_\_\_ about his demeanour.

Ans  A. dormant

B. strange

C. ample

D. meagre

Question ID : 630680317811

Status : Answered

Chosen Option : B

Q.13 Which of the following is a property of a diamagnetic material?

Ans  A. Relative permeability being much greater than unity

B. Relative permeability being slightly greater than unity

C. Relative permeability being less than 0

D. Relative permeability being less than 1

Question ID : 630680777266

Status : Answered

Chosen Option : D

Q.14 Which of the following statements about a synchronous motor is FALSE?

Ans  A. A synchronous motor behaves like a capacitor when it is underexcited.

B. A synchronous motor runs at one speed.

C. A synchronous motor can operate at a range of leading and lagging power factors.

D. A synchronous motor is not a self-starting motor.

Question ID : 630680777229

Status : Answered

Chosen Option : A

Q.15 Find the duration (in years) in which ₹1200 will amount to ₹2460 at a rate of 12% per annum simple interest.

Ans  A. 10.75

B. 9.75

C. 7.75

D. 8.75

Question ID : 630680612347

Status : Answered

Chosen Option : D

Q.16 A right triangle with sides 5 cm, 12 cm and 13 cm is rotated about the side of 5 cm to form a cone. The volume (in  $\text{cm}^3$ ) of the cone is \_\_\_\_\_.

1

6

A  A.  $115\pi$

n  B.  $120\pi$

s  C.  $110\pi$

D.  $100\pi$

Question ID : 630680

Status : Answered

Chosen Option : B

Q.17 The decimal equivalent of  $(412)_{16}$  is \_\_\_\_\_.

Ans  A. 982

B. 1042

C. 1082

D. 882

Question ID : 630680777281

Status : Answered

Chosen Option : B



Q.18 निम्नलिखित में से किस प्रकार की वनस्पति गंगा डेल्टा की तटीय पट्टी में पाई जाती है?

Ans  A. ज्वारीय  
 B. उष्णकटिबंधीय सदाबहार  
 C. पर्वतीय  
 D. झाड़ियाँ और काटेदार

Question ID : 630680601273

Status : Answered

Chosen Option : B

Q.19 As per the Boolean theorem, what is  $A + \bar{A}$  ?

Ans  A. 0  
 B. 1  
 C. A  
 D.  $\bar{A}$

Question ID : 630680777278

Status : Answered

Chosen Option : B

Q.20 What should come in place of the question mark (?) in the given series?

36 57 82 111 144 ?

Ans  A. 167  
 B. 152  
 C. 181  
 D. 176

Question ID : 630680542309

Status : Answered

Chosen Option : C

Q.21 What will be the effect on the energy stored in the magnetic field if the current flowing through a coil is doubled?

Ans  A. The energy stored will reduce by 50%.  
 B. The energy stored will increase by 4 times.  
 C. The energy stored will remain the same.  
 D. The energy stored will double.

Question ID : 630680777208

Status : Answered

Chosen Option : B

Q.22 K, L, M, N, U, V और X एक वृत्ताकार मेज के चारों ओर केंद्र की ओर अभिमुख होकर बैठे हैं। V, X के बाएँ से तीसरे स्थान पर बैठा है। U, N के बाएँ से दूसरे स्थान पर बैठा है। L और U के बीच केवल X बैठा है। K, V का निकटतम पड़ोसी नहीं है। M के दाएँ से मिनने पर, M और U के बीच कुल कितने व्यक्ति बैठे हैं?

Ans  A. दो  
 B. एक  
 C. तीन  
 D. चार

Question ID : 630680544697

Status : Answered

Chosen Option : A

Q.23 A meter reads 220.2 V, while the true value of the voltage is 220 V. What is the static error in measurement?

Ans  A. -0.2 V  
 B. 0.1 V  
 C. 0.2 V  
 D. -0.1 V

Question ID : 630680777288

Status : Answered

Chosen Option : A

Q.24 Two capacitors of capacitances  $40 \mu\text{F}$  and  $160 \mu\text{F}$  are connected in series across a single-phase AC supply. What is the equivalent capacitance as seen by the source?

Ans  A.  $200 \mu\text{F}$   
 B.  $32 \mu\text{F}$   
 C.  $120 \mu\text{F}$   
 D.  $100 \mu\text{F}$

Question ID : 630680777202

Status : Answered

Chosen Option : B

Q.25 Which of the following statements is/are true?

1. Once a p-n junction is formed and the depletion layer is created, diffusion of free electrons starts.
2. There exists a potential difference across the depletion layer and it is called barrier potential.

Ans  A. Neither 1 nor 2  
 B. Only 1  
 C. Only 2  
 D. Both 1 and 2

Question ID : 630680777253

Status : Answered

Chosen Option : D

Q.26 Which method of heating is most suitable for sterilisation of bandages, sterile gauges and instruments?

Ans  A. Arc heating  
 B. Induction heating  
 C. Dielectric heating  
 D. Direct resistance heating

Question ID : 630680777246

Status : Answered

Chosen Option : C

Q.27 A multi-range DC milliammeter has an internal resistance of  $50 \Omega$  and full-scale deflection current of  $1 \text{ mA}$ . If the range required is  $0\text{--}10 \text{ mA}$ , then what is the multiplying factor needed?

Ans  A. 10  
 B. 0.01  
 C. 1  
 D. 0.1

Question ID : 630680777294

Status : Answered

Chosen Option : A

Q.28 The magnetic material of which class gets weakly magnetised when placed in an external field?

Ans  A. diamagnetic  
 B. antimagnetic  
 C. paramagnetic  
 D. ferromagnetic

Question ID : 630680777270

Status : Answered

Chosen Option : C

Section : Section C

**Q.1** With reference to common emitter configuration of a transistor amplifier circuit, what is the ratio of a small change in the base-emitter voltage ( $\Delta V_{BE}$ ) to the resulting change in the base current ( $\Delta I_B$ ) at a constant collector-emitter voltage?

Ans  A. Transfer resistance  
 B. Effective collector load  
 C. Input resistance  
 D. Output resistance

Question ID : 630680777252

Status : Answered

Chosen Option : A

**Q.2** A 200 CP lamp hung at a certain height produces an illumination of 50 lux at a point directly below the lamp. What is the mounting height of the lamp?

Ans  A. 2 m  
 B. 1 m  
 C. 8 m  
 D. 4 m

Question ID : 630680777245

Status : Answered

Chosen Option : A

**Q.3** सांची स्तूप की कौन सी संरचना जातकों की विभिन्न घटनाओं और बुद्ध के जीवन को दर्शाती है?

Ans  A. तोरण  
 B. छत्री  
 C. हर्मिका  
 D. वेदिका

Question ID : 630680309130

Status : Answered

Chosen Option : D

**Q.4** In which type of magnetic material do atoms have no magnetic moment and the susceptibility is small and negative?

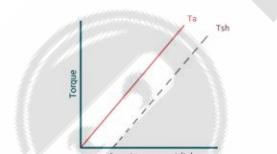
Ans  A. Anti-ferromagnetic material  
 B. Diamagnetic material  
 C. Paramagnetic material  
 D. Ferrimagnetic material

Question ID : 630680777274

Status : Answered

Chosen Option : C

**Q.5** Identify the type of motor whose torque-current characteristic is as shown in the figure below.



Ans  A. Cumulatively compounded motor  
 B. Series motor  
 C. Shunt motor  
 D. Differentially compounded motor

Question ID : 630680775238

Status : Answered

Chosen Option : C

Q.6 Select the most appropriate option to fill in the blank.

\_\_\_\_\_ United States is one of the most powerful countries of the world.

Ans  A. An

B. The

C. This

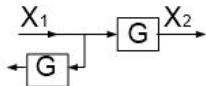
D. A

Question ID : 630680328393

Status : Answered

Chosen Option : B

Q.7 What is ' $X_2$ ' in the block diagram shown below?



Ans  A.  $X_1 G$

B.  $X_1(1 - G)G$

C.  $X_1(1 + G)$

D.  $X_1(1 - G)$

Question ID : 630680777261

Status : Answered

Chosen Option : D

Q.8 The armature winding of a DC generator is lap wound with 6 poles and delivers an armature current of 120 A to an external load. What is the current carried by the armature conductors?

Ans  A. 20 A

B. 60 A

C. 40 A

D. 120 A

Question ID : 630680777216

Status : Answered

Chosen Option : A

Q.9 The voltage and the current of an impedance in a single-phase AC circuit are as given below.

$$v = 50 \sin(314t - 80^\circ)$$

$$i = 5 \sin(314t - 20^\circ)$$

What is the phase relationship between the two?

Ans  A. i lags v by  $60^\circ$

B. i leads v by  $100^\circ$

C. i lags v by  $100^\circ$

D. i leads v by  $60^\circ$

Question ID : 630680777205

Status : Answered

Chosen Option : D

Q.10 भारतीय पंचांग में, वर्ष को छह द्वैमासिक ऋतुओं में बाँटा गया है। निम्नलिखित विकल्पों में से उस ऋतु की पहचान करें जो पारंपरिक सावन-भादो महीनों में आती है।

Ans  A. वर्षा

B. शरद

C. ग्रीष्म

D. शिशir

Question ID : 630680115710

Status : Answered

Chosen Option : A

Q.11 How much is the energy gap between the valence and conduction bands in a good insulator?

Ans  A. more than 5 eV  
 B. 0.3 eV  
 C. 0.5 eV  
 D. 1 eV

Question ID : 630680777264

Status : Answered

Chosen Option : A

Q.12 A lead-acid battery maintains a constant current of 1.5 A for 20 hours before its terminal voltage drops to 1.8 V. What is the capacity of the battery?

Ans  A. 30 Ah  
 B. 15 Ah  
 C. 36 Ah  
 D. 18 Ah

Question ID : 630680777277

Status : Answered

Chosen Option : A

Q.13 The value of  $(0.\overline{37} + 0.\overline{47})$  is:

Ans  A.  $\frac{28}{99}$   
 B.  $\frac{28}{90}$   
 C.  $\frac{29}{33}$   
 D.  $\frac{28}{33}$

Question ID : 630680218056

Status : Answered

Chosen Option : C

Q.14 What is the simplified form of the Boolean expression given by

$$Y = (\bar{A} + B)(A + B)$$

Ans  A.  $Y = B$   
 B.  $Y = (A + B)$   
 C.  $Y = A$   
 D.  $Y = (\bar{A}B)$

Question ID : 630680777282

Status : Answered

Chosen Option : A

Q.15 संख्या 5631748 में प्रत्येक अंक बाएँ से दाएँ आरोही क्रम में व्यवस्थित किया जाता है। इस प्रकार निर्मित नई संख्या में बाएँ से दूसरे और दाएँ से दूसरे अंकों का योग क्या होगा?

Ans  A. 7  
 B. 11  
 C. 8  
 D. 10

Question ID : 630680542542

Status : Answered

Chosen Option : D

Q.16 Find the value of P and Q for which the given system of equations has infinitely many solutions

$$5x - 8y = 4$$

$$(P + Q)x - (P + Q + 4)y = 5P + Q$$

Ans

A.  $P = \frac{-1}{3}, Q = \frac{7}{2}$

B.  $P = \frac{-1}{3}, Q = \frac{-7}{2}$

C.  $P = \frac{-1}{3}, Q = 7$

D.  $P = \frac{1}{3}, Q = -7$

Question ID : 630680541181

Status : Not Answered

Chosen Option : --

Q.17 In a RS flip flop, when both the set and reset inputs are zero, what are the outputs Q and  $\bar{Q}$  ?

Ans

A.  $Q = 0, \bar{Q} = 0$

B.  $Q = 1, \bar{Q} = 1$

C.  $Q = 1, \bar{Q} = 0$

D.  $Q = 0, \bar{Q} = 1$

Question ID : 630680777285

Status : Answered

Chosen Option : A

Q.18 As per De Morgan's theorem,  $\overline{A \cdot B}$  is equal to \_\_\_\_\_.

Ans

A.  $AB$

B.  $A + B$

C.  $\overline{A} + \overline{B}$

D.  $\overline{A + B}$

Question ID : 630680777280

Status : Answered

Chosen Option : C

Q.19 Which organisation announced in July 2021 that it is going to set up India's largest solar power project in Gujarat?

Ans

A. NTPC Limited

B. Rural Electrification Corporation Limited

C. Bharat Electronics Limited

D. Engineers India Limited

Question ID : 630680158432

Status : Answered

Chosen Option : A

Q.20 The speed of a DC series motor is controlled by using a diverter across its field winding.

Without the diverter, the speed of the motor is 1000 rpm. What will be its speed when the resistance of the diverter is equal to the resistance of the field winding?

Ans

A. 2000 rpm

B. 1000 rpm

C. 500 rpm

D. 4000 rpm

Question ID : 630680777220

Status : Answered

Chosen Option : D



Q.21 What is the full form of 'MSCP' with reference to illumination?

Ans  A. Maximum Spherical Candle Power  
 B. Mean Spherical Candle Power  
 C. Mean Spherical Candela Power  
 D. Maximum Spherical Candela Power

Question ID : 630680777236

Status : Answered

Chosen Option : B

Q.22 An electric bulb is rated 200 V and 400 W. If it is operated on 100 V, what will be the power consumed?

Ans  A. 25 W  
 B. 100 W  
 C. 50 W  
 D. 75 W

Question ID : 630680777209

Status : Answered

Chosen Option : B

Q.23 In a certain code language, 'WING' is coded as '2741' and 'PING' is coded as '4812'. What is the code for 'P' in the given code language?

Ans  A. 4  
 B. 2  
 C. 1  
 D. 8

Question ID : 630680568453

Status : Answered

Chosen Option : A

Q.24 लाहौर में निम्नलिखित में से किस निजी कॉलेज की स्थापना आर्य समाज के तत्वावधान में की गई थी?

Ans  A. सरस्वती एंस्लो वैदिक महाविद्यालय  
 B. समाज महाविद्यालय  
 C. आर्य समाज एंस्लो वैदिक महाविद्यालय  
 D. दयानंद एंस्लो वैदिक महाविद्यालय

Question ID : 630680147269

Status : Not Answered

Chosen Option : --

Q.25 with reference to the CRO, which of the following statements is/are true?

1. Gain of the vertical amplifier determines the smallest signal that the oscilloscope can satisfactorily reproduce on the screen.
2. Vertical sensitivity of the oscilloscope is the smallest deflection factor that can be selected with a rotary switch.

Ans  A. Only 2  
 B. Only 1  
 C. Neither 1 nor 2  
 D. Both 1 and 2

Question ID : 630680777295

Status : Answered

Chosen Option : D

Q.26 A 4-pole DC machine has a wave-wound armature winding. How many parallel paths are present in the armature circuit?

Ans  A. 2  
 B. 8  
 C. 4  
 D. 16

Question ID : 630680777213

Status : Answered

Chosen Option : A

**Q.27** What is the phase relationship between the current flowing through an arc and the voltage across it?

Ans  A. The arc current leads the voltage across the arc by  $90^\circ$ .

B. The arc current lags the voltage across the arc by  $90^\circ$ .

C. The arc current and the voltage across the arc are in phase.

D. The arc current and the voltage across the arc are in phase opposition.

Question ID : 630680775266

Status : Answered

Chosen Option : B

**Q.28** Sentences of a paragraph are given below. While the first and the last sentences (S1 and S6) are in the correct order, the sentences in between are jumbled up. Arrange the sentences in the correct order to form a meaningful and coherent paragraph.

S1) Paragliding is a recreational and competitive adventure sport of cross-country flying through the sky.

A) It is done using a light-weight, free-flying and foot launched glider aircraft with no rigid structure.

B) A certified and experienced paraglider can stay up in the air solely on wind power for hours.

C) This tandem flight in the sky is indeed expensive, but the experience is worth every paisa.

D) Flying over mountains and admiring the landscape is an activity which gives immense pleasure.

S6) Once a person has tasted one flight, he/she will always long for another, such is the experience.

Ans  A. ABCD

B. BADC

C. DCAB

D. CDAB

Question ID : 630680435565

Status : Answered

Chosen Option : A

Section : Section D

**Q.1** Select the most appropriate meaning of the given proverb.

Blood is thicker than water.

Ans  A. Once you lose sight of a thing, you can forget it altogether.

B. Every person can have lucky days and favourable outcomes.

C. Family relationships are always stronger than other relationships.

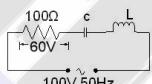
D. Everything tastes good when you are hungry but have nothing to eat.

Question ID : 630680350894

Status : Answered

Chosen Option : C

**Q.2** What will be the power factor of the circuit shown below if the inductive reactance is more than the capacitive reactance at 50 Hz?



Ans  A. 0.6 lag

B. 0.6 lead

C. 0.8 lead

D. 0.5 lag

Question ID : 630680777212

Status : Answered

Chosen Option : A

Q.3 निम्नलिखित में से किसने 1921 में विश्व-भारती विश्वविद्यालय की स्थापना की थी?

Ans  A. मदन मोहन मालवीय  
 B. महात्मा गांधी  
 C. रविंद्रनाथ टैगोर  
 D. सेयद अहमद खान

Question ID : 630680118815

Status : Answered

Chosen Option : C

Q.4 Which of the following is NOT a part of a separately excited generator?

Ans  A. Commutator  
 B. Series field winding  
 C. Armature winding  
 D. Shunt field winding

Question ID : 630680777215

Status : Answered

Chosen Option : B

Q.5 Which of the following was the venue of 55th National Cross-Country Championship 2021?

Ans  A. Patiala  
 B. Ludhiana  
 C. Amritsar  
 D. Chandigarh

Question ID : 630680134096

Status : Not Answered

Chosen Option : --

Q.6 What will come in the place of the question mark (?) in the following equation if '+' and '-' are interchanged and 'x' and '÷' are interchanged?  
 $3 \div 88 \times 2 - 130 + 40 = ?$

Ans  A. 220  
 B. 224  
 C. 198  
 D. 222

Question ID : 630680404380

Status : Answered

Chosen Option : D

Q.7 In case of a cathode-ray oscilloscope, the deflection on the screen per unit deflection voltage is called as \_\_\_\_\_.

Ans  A. deflection sensitivity  
 B. deflection factor  
 C. deflection ratio  
 D. deflection rate

Question ID : 630680777297

Status : Answered

Chosen Option : A

Q.8 The separation between the conduction band and the valence band on an energy level diagram is called \_\_\_\_\_.

Ans  A. forbidden gap  
 B. prohibited gap  
 C. inhibited gap  
 D. impeded gap

Question ID : 630680777265

Status : Answered

Chosen Option : A



Q.9 What is a drainage basin?

Ans  A. Watershed  
 B. Area drained by more than two rivers  
 C. Area drained by two river systems  
 D. Area drained by a single river system

Question ID : 630680302669

Status : Answered

Chosen Option : B

Q.10 The flux produced by the primary exciting current of a power transformer depends \_\_\_\_\_.

Ans  A. on both the voltage applied to the primary and its frequency  
 B. only on the voltage applied to the primary  
 C. on the load  
 D. only on the frequency of voltage applied to the primary

Question ID : 630680775232

Status : Answered

Chosen Option : C

Q.11 Select the most appropriate verb to fill in the blank.

The woodcutter picked up the branches that \_\_\_\_\_ to the ground.

Ans  A. falls  
 B. was falling  
 C. have fallen  
 D. fell

Question ID : 630680332747

Status : Answered

Chosen Option : C

Q.12 What is the inductance offered by a coil of 100 turns in a magnetic circuit whose reluctance to flux is  $100 \times 10^6$  AT/Wb?

Ans  A. 0.01 mH  
 B. 1 mH  
 C. 10 mH  
 D. 0.1 mH

Question ID : 630680777206

Status : Answered

Chosen Option : D

Q.13 A 4 kVA transformer has iron loss of 200 W and full-load copper loss of 800 W. What is the kVA of the transformer at which it operates at the maximum efficiency?

Ans  A. 8 kVA  
 B. 2 kVA  
 C. 4 kVA  
 D. 1 kVA

Question ID : 630680777230

Status : Answered

Chosen Option : B

Q.14 In a p-n junction diode, once the applied forward voltage exceeds the \_\_\_\_\_ voltage, the current starts increasing rapidly.

Ans  A. saturation  
 B. knee  
 C. cut-off  
 D. breakdown

Question ID : 630680777248

Status : Answered

Chosen Option : D



Q.15 An open-circuit test is conducted on the LV side of a 11 kV/110 V, single-phase transformer with its 11 kV winding open. The input power measured by using a wattmeter is 110 W. If the test is conducted on the HV side of the transformer with the 110 V side open, what will be the input power?

Ans  A. 1100 W  
 B. 11,000 W  
 C. 11 W  
 D. 110 W

Question ID : 630680777231

Status : Answered

Chosen Option : D

Q.16 In a common collector arrangement, which of the following expressions gives the current amplification factor in terms of change in the emitter current, change in the collector current and change in the base current?

Ans  A.  $\frac{\text{change in emitter current}}{\text{change in base current}}$   
 B.  $\frac{\text{change in base current}}{\text{change in emitter current}}$   
 C.  $\frac{\text{change in collector current}}{\text{change in emitter current}}$   
 D.  $\frac{\text{change in collector current}}{\text{change in base current}}$

Question ID : 630680777256

Status : Not Answered

Chosen Option : --

Q.17 What is the maximum reverse voltage that can be applied to a p-n junction, without causing any damage to the junction, called?

Ans  A. Pinch voltage  
 B. Peak recovery voltage  
 C. Knee voltage  
 D. Peak inverse voltage

Question ID : 630680777254

Status : Answered

Chosen Option : D

Q.18 Which of the following statements is/are true?

1. In PMMC meters, the scale is uniform.
2. In PMMC meters, the torque-to-weight ratio is low, which gives higher accuracy.

Ans  A. Both 1 and 2  
 B. Only 1  
 C. Neither 1 nor 2  
 D. Only 2

Question ID : 630680777289

Status : Answered

Chosen Option : B

Q.19 A moving-coil instrument has a controlling torque of  $45 \times 10^{-6}$  N-m when the deflection of the pointer is  $90^\circ$ . What will be the controlling torque produced when the deflection is  $120^\circ$ ?

Ans  A.  $45 \times 10^{-6}$  N-m  
 B.  $60 \times 10^{-6}$  N-m  
 C.  $30 \times 10^{-6}$  N-m  
 D.  $120 \times 10^{-6}$  N-m

Question ID : 630680777296

Status : Answered

Chosen Option : B

Q.20 Which of the following losses in a transformer can be treated as variable loss(es) when it operates at a fixed applied voltage and frequency?

1. Copper loss
2. Eddy current loss
3. Hysteresis loss

Ans  A. Only 1 and 2

B. Only 1

C. Only 1 and 3

D. Only 2

Question ID : 630680777226

Status : Answered

Chosen Option : B

Q.21 At what temperature does a ferromagnetic material transit into a paramagnetic material?

Ans  A. Curie temperature

B. Bragg temperature

C. Bohr temperature

D. Neel temperature

Question ID : 630680777272

Status : Answered

Chosen Option : A

Q.22 The phasor current in the circuit consisting of a 2 H inductor is of  $2\angle-50^\circ$  A, when excited from a sinusoidally varying voltage of angular frequency 100 rad/s. What is the voltage applied?

Ans  A.  $200\angle-50^\circ$  V

B.  $400\angle-140^\circ$  V

C.  $400\angle40^\circ$  V

D.  $200\angle40^\circ$  V

Question ID : 630680775227

Status : Answered

Chosen Option : C

Q.23 Three girls P, Q, and R can do a work in 18 hours, 21 hours, and 14 hours, respectively. They work turnwise in the given order for one hour each. The percentage of work done by R is:

Ans  A.  $28\frac{7}{18}\%$

B.  $37\frac{3}{20}\%$

C.  $38\frac{2}{21}\%$

D.  $35\frac{5}{19}\%$

Question ID : 630680588898

Status : Not Answered

Chosen Option : --

Q.24 Which of the following is NOT primarily a traditional gharana in the Kathak dance form?

Ans  A. Jaipur

B. Lucknow

C. Batala

D. Benaras

Question ID : 630680403205

Status : Answered

Chosen Option : C

Q.25 Solve the following equations for a, b and c.

$$\begin{aligned} a + 4b + 3c &= -5 \\ 3a + 2b - 3c &= 4 \\ -3a + 8b + 7c &= -7 \end{aligned}$$

Ans  A.  $a = -3, b = -4, c = 2$

B.  $a = -1, b = \frac{1}{2}, c = -2$

C.  $a = 2, b = -1, c = 3$

D.  $a = \frac{1}{4}, b = -2, c = 1$

Question ID : 630680517602

Status : Not Answered

Chosen Option : --

Q.26 A, B, C, D, E, F और G एक वृत्ताकार मेज के चारों ओर केंद्र की ओर अभियुक्त होकर बैठे हैं। D के दाएँ से गिनने

पर, D और C के बीच केवल एक व्यक्ति बैठा है। C और B के बीच केवल एक व्यक्ति बैठा है। D और F के बीच में

केवल एक व्यक्ति बैठा है। G और B के बीच केवल दो व्यक्ति बैठे हैं। E और F के बीच केवल एक व्यक्ति बैठा है।

A के दाएँ से तीसरे स्थान पर कौन बैठा है?

Ans  A. F

B. G

C. B

D. C

Question ID : 630680532578

Status : Not Answered

Chosen Option : --

Q.27 Which of the following expressions is correct with reference to dielectric heating?

[V is the voltage applied to the dielectric]

Ans  A. Heating  $\propto V^3$

B. Heating  $\propto V^2$

C. Heating  $\propto V$

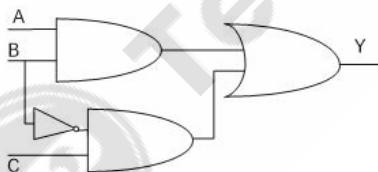
D. Heating  $\propto \sqrt{V}$

Question ID : 630680777244

Status : Answered

Chosen Option : B

Q.28 What is the output 'Y' in the circuit shown below?



Ans  A.  $Y = AB + \bar{B}\bar{C}$

B.  $Y = A\bar{B}C$

C.  $Y = A\bar{B} + C$

D.  $Y = AB + \bar{B}C$

Question ID : 630680777287

Status : Answered

Chosen Option : A

Section : Section E

Q.1 Select the set in which the numbers are related in the same way as are the numbers of the given sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding /deleting /multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

4 – 24 – 48 – 68  
8 – 28 – 56 – 76

Ans  A. 20 – 40 – 80 – 90  
 B. 9 – 39 – 78 – 98  
 C. 13 – 52 – 104 – 114  
 D. 12 – 32 – 64 – 84

Question ID : 630680467184

Status : Answered

Chosen Option : D

Q.2 Which of the following types of motor is generally preferred for use in lathes?

Ans  A. Squirrel-cage induction motor  
 B. Capacitor start type induction motor  
 C. Differentially compounded motor  
 D. DC series motor

Question ID : 630680777242

Status : Answered

Chosen Option : A

Q.3 Select the most appropriate ANTONYM of the highlighted word.

Mr. Justin's courage in the Ukraine war could not win him a promotion.

Ans  A. mettle  
 B. valor  
 C. bravery  
 D. meekness

Question ID : 630680499640

Status : Answered

Chosen Option : D

Q.4 When a small amount of \_\_\_\_\_ impurity is added to a pure semiconductor, it becomes a p-type semiconductor.

Ans  A. antimony  
 B. arsenic  
 C. gallium  
 D. phosphorus

Question ID : 630680777250

Status : Answered

Chosen Option : D

Q.5 At what power factor of the load does zero regulation occur in a single-phase transformer, irrespective of magnitude of the load on the transformer?

(Consider that ' $R_{eq}$ ' is the equivalent resistance; ' $X_{eq}$ ' is the equivalent reactance and ' $Z_{eq}$ ' is the equivalent impedance of the transformer referred to the secondary.)

Ans  A.  $\frac{R_{eq}}{Z_{eq}}$  lagging  
 B.  $\frac{R_{eq}}{X_{eq}}$  leading  
 C.  $\frac{R_{eq}}{X_{eq}}$  lagging  
 D.  $\frac{X_{eq}}{Z_{eq}}$  leading

Question ID : 630680775220

Status : Answered

Chosen Option : A



Q.6 निम्नलिखित में से कौन-सी एजेंसी स्वयं सहायता समूहों का सहायता प्रदान करती है?

Ans  A. डीडब्ल्यूसीआरए (DWCR)

B. एडीबी (ADB)

C. यूटीआई (UTI)

D. आईसीआईसीआई (ICICI)

Question ID : 630680314395

Status : Answered

Chosen Option : A

Q.7 What is the overall transfer function of a negative feedback system whose forward path transfer function is  $G(s)$  and feedback transfer function is  $H(s)$ ?

Ans  A.  $\frac{G(s)}{1 + G(s)H(s)}$

B.  $\frac{G(s)H(s)}{1 + H(s)}$

C.  $\frac{G(s)}{1 + H(s)}$

D.  $\frac{G(s)H(s)}{1 + G(s)H(s)}$

Question ID : 630680777262

Status : Answered

Chosen Option : A

Q.8 How are the primary and secondary windings of a two-winding transformer linked?

Ans  A. Both conductively and inductively

B. Conductively

C. Thermally

D. Inductively

Question ID : 630680777222

Status : Answered

Chosen Option : D

Q.9 If a discount of 10% is given on the marked price of a book, the bookseller gains 20%. If the discount is increased to 12.5%, then what is the gain percentage of the bookseller?

Ans  A.  $16\frac{2}{3}\%$

B.  $17\frac{2}{3}\%$

C.  $18\frac{2}{3}\%$

D.  $15\frac{2}{3}\%$

Question ID : 630680239475

Status : Not Attempted and  
Marked For Review

Chosen Option : --

Q.10 What is the slip of the three-phase induction motor at standstill?

Ans  A. 5%

B. 50%

C. 100%

D. 10%

Question ID : 630680775229

Status : Answered

Chosen Option : C

Q.11 The Partition of Bengal in 1905 was made effective during whose viceroy?

Ans  A. Lord Minto II  
 B. Lord Lansdowne  
 C. Lord Curzon  
 D. Lord Elgin II

Question ID : 630680275819

Status : Answered

Chosen Option : C

Q.12 In a series resonant circuit, the power delivered to the load at resonance is 50 W. What will be the power delivered when the resultant reactance of the circuit is equal to the resistance?

Ans  A. 12.5 W  
 B. 25 W  
 C. 50 W  
 D. 100 W

Question ID : 630680775298

Status : Answered

Chosen Option : B

Q.13 K, L, M, N, U, V और X एक वृत्ताकार मेज के चारों ओर केंद्र की ओर अभिमुख होकर बैठे हैं। U और L के बीच केवल K बैठा है। L, V के बाएँ से तीसरे स्थान पर बैठा है। X, V के ठीक बाएँ बैठा है। N, L का निकटतम पड़ोसी नहीं है। M के बाएँ से चौथे स्थान पर कौन बैठा है?

Ans  A. U  
 B. L  
 C. N  
 D. X

Question ID : 630680544686

Status : Answered

Chosen Option : C

Q.14 Which of the following options represents transistor configurations with very high input and output impedances, respectively?

Ans  A. Common collector and common emitter  
 B. Common emitter and common collector  
 C. Common collector and common base  
 D. Common base and common emitter

Question ID : 630680777257

Status : Answered

Chosen Option : A

Q.15 The length of a room is 12 m and its height is 8 m. What is the breadth of the room if the length of its longest diagonal is 17 m?

Ans  A. 9 m  
 B. 11 m  
 C. 10 m  
 D. 7 m

Question ID : 630680179135

Status : Not Answered

Chosen Option : --

Q.16 A 210 V shunt motor takes an armature current of 100 A and runs at a speed of 1000 rpm at a certain load. The armature resistance is 0.1 Ω. What is the armature torque (in N-m)?

Ans  A.  $\frac{300}{\pi}$

B.  $\frac{1200}{\pi}$

C.  $\frac{900}{\pi}$

D.  $\frac{600}{\pi}$

Question ID : 630680777221

Status : Answered

Chosen Option : D

Q.17 Which AC bridge can be used for measurement of the relative permeability?

Ans  A. Owen's bridge

B. Schering bridge

C. Anderson's bridge

D. Maxwell's bridge

Question ID : 630680777298

Status : Answered

Chosen Option : D

Q.18 A power transformer is operating with a maximum flux density of 1.25 Wb/m<sup>2</sup>. The hysteresis loss in the magnetic material is proportional to \_\_\_\_.

Ans  A.  $1.25^{1.6}$

B.  $1.25^{2.5}$

C.  $1.25^2$

D.  $1.25^{1.2}$

Question ID : 630680777268

Status : Answered

Chosen Option : A

Q.19 Select the most appropriate option to fill in the blank.

The chair \_\_\_\_ me is occupied by a senior employee.

Ans  A. beside

B. beside of

C. besides

D. besides of

Question ID : 63068066109

Status : Answered

Chosen Option : D

Q.20 In a common base connection, the emitter current is 1mA. If the emitter circuit is open, the collector current is 100 μA and current amplification factor is 0.9. What will be the total collector current?

Ans  A. 0.1 mA

B. 1 mA

C. 100 mA

D. 10 mA

Question ID : 630680777251

Status : Not Answered

Chosen Option : --

Q.21 What is the average power delivered to an impedance  $Z_L = 8 - j11 \Omega$ , by a current  $i = 5 \sin(314t - 20^\circ)$ ?

Ans  A. 100 W

B. 50 W

C. 400 W

D. 200 W

Question ID : 630680777204

Status : Answered

Chosen Option : A

Q.22 Which of the following statements with reference to electrodynamometer wattmeters is/are true?

1. Electrodynamometer wattmeters have a low torque-to-weight ratio and hence, they have low sensitivity.
2. Low torque-to-weight ratio gives increased frictional losses.

Ans  A. Both 1 and 2

B. Only 1

C. Neither 1 nor 2

D. Only 2

Question ID : 630680777293

Status : Answered

Chosen Option : A

Q.23 How many wattmeters are enough to measure power in a three-phase, four-wire balanced, star-connected load?

Ans  A. 4

B. 1

C. 2

D. 3

Question ID : 630680775222

Status : Answered

Chosen Option : D

Q.24 In which century was Sikhism founded?

Ans  A. 15<sup>th</sup> century

B. 13<sup>th</sup> century

C. 14<sup>th</sup> century

D. 16<sup>th</sup> century

Question ID : 63068087331

Status : Answered

Chosen Option : C

Q.25 In a voltmeter a current of 1  $\mu$ A gives a full scale deflection. What is the sensitivity of the meter?

Ans  A.  $2 \Omega/V$

B.  $1 M \Omega/V$

C.  $1 k \Omega/V$

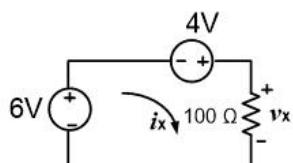
D.  $2 M \Omega/V$

Question ID : 630680777290

Status : Answered

Chosen Option : B

Q.26 What are the values of  $i_x$  and  $v_x$  in the circuit shown below?



Ans  A. 100 mA and 10 V, respectively  
 B. 20 mA and 2 V, respectively  
 C. 200 mA and 2 V, respectively  
 D. 10 mA and 10 V, respectively

Question ID : 630680777201

Status : Answered

Chosen Option : A

Q.27 A 4-bit up or down counter is also known as a \_\_\_\_ counter.

Ans  A. MOD-16  
 B. MOD-32  
 C. MOD-8  
 D. MOD-4

Question ID : 630680777286

Status : Not Answered

Chosen Option : --

Q.28 In May 2022, for which of the following missions did the ISRO successfully test large human-rated solid rocket booster HS 200?

Ans  A. Gaganyaan Mission  
 B. Shukrayaan Mission  
 C. Aditya Mission  
 D. Chandrayaan Mission

Question ID : 630680262468

Status : Answered

Chosen Option : A

