



PSPCL JE EE 2018

Section : Domain

0.1 In an electric drive using a three-phase induction motor, it is intended to apply regenerative braking. This is possible only if:

Ans



the rotor speed is greater than the speed of the magnetic field produced by stator currents, both rotating in the same direction.

X

the rotor speed is equal to the speed of the magnetic field produced by stator currents, both rotating in the same direction.

X

the rotor speed is greater than the speed of the magnetic field produced by stator currents, both rotating in opposite directions.

X 4

the rotor speed is less than the speed of the magnetic field produced by stator currents, both rotating in the same direction.

Q.2 If a series resonant circuit has a resistance of 1 kΩ and half-power frequencies of 10 and 90 kHz, then the bandwidth and resonant frequency of the circuit, respectively, are:

Ans

1 9 kHz and 40 kHz

√ 2. 80 kHz and 30 kHz

X 3. 40 kHz and 10 kHz

X 4. 100 kHz and 9 kHz

Q.3 The maximum demand on a power-generating station is 500 MW. If the annual load factor is 50%, the total energy generated annually is:

Ans

 \times 1. 9125 × 10⁵ kWh

 \times 2. 1825 × 10⁵ kWh

 \times 3. 438 × 10⁷ kWh

 \checkmark 4. 219 × 10⁷ kWh

Q.4 Transmission efficiency is defined as:

An

√ 1. receiving end power/sending end power

X 2

total loss in the transmission line/receiving end power

X 3. receiving end current/sending end current

★ 4 receiving end voltage/sending end voltage

Question ID: 3675233773

Status : **Answered**

Chosen Option : 3

Marks : -0.25

Question ID: 3675233778

Status: Answered

Chosen Option: 2

Marks : 1.00

Question ID: 3675233763

Status : Answered

Chosen Option : ${f 2}$

Marks : -0.25

Question ID: 3675233781

Status : Answered

Chosen Option : 4

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Q.5 A coil having a resistance of 8 Ω and inductance of 2 H is switched across a 48-V DC supply. The time constant of the circuit and the final value of the current in the circuit, respectively, are:

Ans

X 1. 0.4 and 24 A

X 2. 0.2 and 4.8 A

X 3. 0.25 and 8 A

✓ 4. 0.25 and 6 A

Question ID: 3675233758

Status : **Answered** Chosen Option : **2**

Marks : -0.25

Q.6 Buchholz relay is used to protect the:

Ans

X 1. alternators against all internal faults

X 2.

transmission lines against all short circuit faults

3.

oil-immersed transformers against all internal faults

X 4.

synchronous motors against all internal faults

Q.7 A series RLC circuit resonates at 1.5 kHz and consumes 50 W from a 50-V AC source operating at resonant frequency. If the bandwidth is 0.75 kHz, then what are the values of the circuit elements R and L?

Ans

X 1 25 Ω and 5.31 mH

√ 2. 50 Ω and 10.6 mH

× 3. 50 Ω and 16.6 mH

X 4. 2.5 Ω and 1.06 mH

Question ID : 3675233769 Status : Answered

Chosen Option : 3

Marks : 1.00

Q.8 For C coils and P poles, the commutator pitch for simplex wave winding is:

Δns

 \times 1. $\frac{2C\pm 1}{P/2}$

 \times 2. $\frac{2C+1}{P/2}$

 \times 3. $\frac{2C-2}{P/2}$

 \checkmark 4. $\frac{C\pm 1}{P/2}$

Question ID: 3675233814

Status : **Answered**

Chosen Option : 2 Marks : 1.00

Question ID : 3675233805

Status : **Answered**

Chosen Option: 1

Marks: -0.25

Q.9 Speed of the rotating field produced by rotor currents with respect to the rotor, in a 6-pole, three-phase induction motor when operating at a slip of 0.05 and when supplied with a three-phase voltage of 400 V 50 Hz is:

Ans

X 1. 1000

X 2. 500

3. 50

X 4. 100

Question ID: 3675233756

Status: Answered

Chosen Option : 1

Marks : -0.25

Q.10 The resistance of the pressure coil and the current coil of a wattmeter are 8000Ω and 0.03Ω , respectively. It is connected to measure the power in a single-phase circuit with a load taking a current of 40 A at a power factor of 0.8, with a voltage of 200 V. It is connected in such a way that the pressure coil is on the load side. What will be the percentage error in the wattmeter reading?

Ans

X 1. 0.78%

X 2

2. 7.8%

√ 3. 0.078%

Question ID: 3675233767

Status : Answered

Chosen Option: 1





X 4. 0.0078%

Q.11 The Bill on the Sexual Harassment at the Workplace [The Sexual Harassment of Women at Workplace (Prevention, Prohibition and Redressal) Bill, 2012] got passed in the year 2012 in:

Ans

✓ 1. Only Lok Sabha

2. Only Rajya Sabha

X 3. Rajya Sabha and Lok Sabha

X 4. President Approval

Q.12 A 200 CP lamp is hung 4 metre above the centre of a circular area of diameter 5 m. The illumination at the centre of the area will be:

X 1 12.73 lux

X 2. 8 lux

✓ 3. 12.5 lux

X 4. 15.92 lux

Ans

Question ID: 3675233796 Status: Answered

Ouestion ID: 3675233818

Marks : -0.25

Chosen Option: 3

Status: Answered

Chosen Option: 2 Marks : -0.25

Q.13 A motor has to supply the following load cycle to a varying load: 20 kW for 10 seconds, 10 kW for 20 seconds, 30 kW for 10 seconds and idle for 10 seconds in one load cycle. What will be the size of the motor required?

Ans

√ 1. √300

× 2. √350

X 3. √375

X 4. √325

Question ID: 3675233780

Status: Answered

Marks: -0.25

Chosen Option: 4

Q.14 The voltage applied to a transformer is increased by 20% and the frequency is reduced by 20%. Assuming the magnetic circuit is unsaturated, the maximum core density will be:

X 1. 4 times the original value

× 2. 3 times the original value

X 3. 0.67 times the original value

4. 1.5 times the original value

Question ID: 3675233794

Status: Answered

Chosen Option: 4

Marks: 1.00

Q.15 Which of the following circuits has no transients?

Ans

X 1.

Circuit consisting of resistance, inductance and capacitance

X 2.

Circuit consisting of inductance and capacitance

✓ 3. Pure resistive circuit

Circuit consisting of resistance and capacitance

Q.16 The motor best suited for DC traction is:

Ans X 1. DC shunt motor

× 2. DC differentially compounded motor

3. DC series motor

X 4. stepper motor

Question ID: 3675233751

Status: Answered

Chosen Option: 3

Marks: 1.00

Question ID: 3675233770

Status: Answered

Chosen Option: 3





Q.17 Form factor of a sawtooth waveform with a period of 3 s and a peak voltage of 150 V is:

Ans

X 1. 2.155

X 2. 2.555

✓ 3. 1.155

X 4. 0.555

Q.18 A coil of 500 turns wound on a core of non-magnetic material has an inductance of 20 mH. The average value of the EMF induced when a current of 2 A is reversed in 5 ms is:

Ans

X 1. 8 V

✓ 2. 16 V

X 3. 6 V

X 4. 24 V

Question ID: 3675233757 Status: Answered

Ouestion ID: 3675233752

Marks: 1.00

Status: Answered

Chosen Option: 3

Chosen Option: 3

Marks: -0.25

Q.19 The stator of a three-phase, 4-pole alternator accommodates a single-layer three-phase winding in 36 slots. If the coil span of the winding is 120 electrical degrees, then the distribution factor is:

Ans

 \times 1. $\frac{\sin(10)}{3\sin(30)}$

 \times 2. $\frac{\sin(20)}{3\sin(60)}$

 $\checkmark 3. \frac{\sin(30)}{3\sin(10)}$

 \times 4. $\frac{\sin(60)}{3\sin(20)}$

Ouestion ID: 3675233792

Status: Answered

Chosen Option: 3 Marks: 1.00

Q.20 In a tank circuit, where V is the initial voltage to which the capacitor is charged, C is the capacitance of the tank circuit and L is the inductance of the tank circuit, the peak value of the circulating current is given by which of the following

 \times 1. $I = V\sqrt{L/C}$

 \times 2. $I = V\sqrt{LC}$

 \times 3. $I = V/\sqrt{LC}$

 \checkmark 4. $I = V\sqrt{C/L}$

Question ID: 3675233760

Status: Answered

Chosen Option: 1

Marks: -0.25

Q.21 A slip test is conducted on a synchronous generator to determine:

1 positive and negative sequence reactance

X 2. sub-transient reactance

3. direct and quadrature axis reactance

X 4. slip

Question ID: 3675233787

Status: Answered

Chosen Option: 2

Marks : -0.25

Q.22 A Murray loop test is conducted on a 400-m-long faulty cable. At balance, the resistance connected to the faulty core was set to 40 Ω and the resistance of the resistor connected to the sound core was 60 Ω . What is the distance of the fault from the test end?

Ans

X 1 267 m

× 2. 217 m

X 3. 160 m

4. 320 m

Question ID: 3675233783

Status: Answered

Chosen Option: 1





What do you understand by company's microenvironment?

Ans



A company's departments, suppliers and other publics which make up its value delivery chain and matter the most.



A company's operating policies and principles.



The detailed processes needed to achieve quality control in the firm.



The machines and tools a company uses to make and promote the products.

Q.24 A transformer rated for 5 kVA, 400 V / 200 V, 50 Hz, has a leakage impedance of z = r + jx referred to HV side. Its voltage regulation at full load will be maximum at a power factor of:

X 1. r/z leading

 \times 2. r/x lagging

X 3. x/z leading

√ 4. r/z lagging

Question ID: 3675233759

Ouestion ID: 3675233817

Marks: 1.00

Chosen Option: 1

Status: Answered

Status: Answered Chosen Option: 3

Marks : -0.25

Q.25 Which of the following motors is not self-starting?

X 1. DC series motor

X 2. DC shunt motor

3. Single-phase induction motor

* 4. Three-phase induction motor

Ouestion ID: 3675233772

Status: Answered

Chosen Option: 3 Marks: 1.00

Q.26 A wattmeter having a range of 4000 W has an error of $\pm 2\%$ of full-scale deflection. If the true power is 2000 W, what would be the range of the reading?

X 1. 1920 - 2000 W

× 2. 2000 – 2080 W

3. 1920 - 2040 W

4. 1920 - 2080 W

Ouestion ID: 3675233803

Status: Answered Chosen Option: 4

Marks: 1.00

Q.27 If a delta-connected 6-pole 50-Hz induction motor has a rotor resistance of 0.15 Ω per phase and exerts the maximum torque at 880 rpm, then the percentage maximum torque that will be exerted at standstill is:

1. 33.43%

X 2. 11.83%

X 3. 47.32%

4. 23.66%

Ouestion ID: 3675233788

Status: Answered

Chosen Option: 1

Marks: -0.25

Q.28 What is the equivalent resistance between terminals x and y for the given circuit?

X 1. 0.5 Ω

2. 0 Ω

× 3. 2 Ω

X 4. 1 Ω

Question ID: 3675233813

Status: Answered

Chosen Option: 2





Q.29 The type of DC motor in which an increase in load causes an increase in the speed of the motor is called:

X 1. shunt motor

X 2. series motor

√ 3. differentially compounded motor

X 4. cumulatively compounded motor

0.30 The maximum operating frequency for a diode with a reverse recovery time of 4 ns is approximately:

Ans √ 1. 25 MHz

X 2. 30 MHz

X 3. 50 MHz

X 4. 10 MHz

Ouestion ID: 3675233808 Status: Answered

Question ID: 3675233800

Marks : -0.25

Status: Answered

Chosen Option: 4 Marks: -0.25

Chosen Option: 4

Q.31 Projection welding can be considered as a mass production form of:

Ans

1. spot welding

X 2. flash welding

X 3. upset welding

X 4. seam welding

Ouestion ID: 3675233806

Status: Answered

Chosen Option: 1 Marks: 1.00

0.32 In which of the following transformers is the secondary current of the same order as that of the magnetising current?

Potential transformers

2. Current transformers

3. Power transformers

A. Distribution transformers

Ouestion ID: 3675233785

Status: Answered

Chosen Option: 2 Marks: -0.25

Q.33 Voltage and current in a single-phase AC circuit are given by (50 + j20) V and (20 + j50) A, respectively. Power of the circuit can be expressed in complex form as:

Ans

 \times 1. (2500 - j0)

 \times 2. (0 - j2500)

X 3. (2100 - j2000)

4. (2000 - j2100)

Question ID: 3675233750

Status: Answered

Chosen Option: 1

Marks: -0.25

Q.34 The speed of a three-phase induction motor is controlled by using a VSI. The voltage supplied by the VSI contains harmonics. Which among the following is the positive-sequence harmonic?

Ans

X 1. Third

✓ 2. Seventh

X 3. Seventeenth

X 4. Fifth

Question ID: 3675233802

Status: Answered

Chosen Option: 4

Marks : -0.25

Q.35 In a 6-pole DC machine, with lap winding, the number of parallel paths in the armature will be:

Ans

X 1. 3

X 4. 2

Ouestion ID: 3675233804

Status: Answered

Chosen Option: 2





Q.36 The surge impedance of a long transmission line is given by:

 \times 1. $\sqrt{Y/Z}$

 \times 2. $\sqrt{L/C}$

 \times 3. $\sqrt{R/Y}$

 \checkmark 4. $\sqrt{Z/Y}$

Q.37 A 220-V DC machine has an armature resistance of 1 Ω. If the full-load current is 20 A, the difference between the induced voltage when the machine runs as motor and as generator is:

X 1. 20 V

X 2. 10 V

3. 40 V X 4. 0 V

Q.38 The dielectric loss of an electrical system is 100 W when operating with a particular voltage. If the voltage of the system is doubled, then the dielectric loss will be:

Ans

X 1 100 W

X 2. 50 W

√ 3. 400 W

X 4. 200 W

Q.39 The material used for a fuse must have:

Ans

√ 1. low melting point and high conductivity

× 2. high melting point and high conductivity

X 3. high melting point and low conductivity

X 4. low melting point and low conductivity

Q.40 Which of the following gives the correct order (from deepest level to surface level) of the three levels of

Ans

Y 1. Values, Artifacts and Assumptions

2. Artifacts, Values and Assumptions

3. Assumptions, Values and Artifacts

Yalues, Assumptions and Artifacts

Q.41 Dielectric heating is used for heating:

Ans

X 1. furnaces

X 2. zinc cells

√ 3. wood

X 4. steel sheets

Q.42 A moving coil ammeter can be used to measure:

X 1. direct and alternating currents

X 2. low-frequency alternating current

Chosen Option: 3

Marks: 1.00

Question ID: 3675233777

Status: Answered

Ouestion ID: 3675233774 Status: Answered

Marks: 1.00

Question ID: 3675233789

Marks: 1.00

Status: Answered

Chosen Option: 4

Chosen Option: 3

Ouestion ID: 3675233782

Status: Answered

Chosen Option: 1

Marks: 1.00

Question ID: 3675233815

Status: Answered

Chosen Option : 4

Marks : -0.25

Question ID: 3675233768

Status: Answered

Chosen Option: 2

Marks : -0.25

Ouestion ID: 3675233764

Status: Answered

Chosen Option: 3





✓ 3. DC current

X 4. high-frequency alternating current

Q.43 Two alternators A and B are operating in parallel. If the excitation of A is increased, then:

Ans

X 1.

the reactive power of A is increased while that of B is unchanged.

X 2 the reactive power of A is decreased.

X 3.

both real and reactive power of A are increased.

4

the reactive power of A is increased while that of B is decreased.

Q.44 If the secondary winding of a current transformer is opened when the primary winding is carrying current, then the following event occurs:

Ans

1 Transformer will burn immediately.

2

High induced EMF is produced in the secondary winding.

X 3. Flux density in the core gets weakened.

X 4.

High current is produced in the secondary winding.

Q.45 Which of the following insulators is selected for HV application?

Ans

X 1. Disc type

X 2. Strain type

X 3. Pin type

✓ 4. Suspension type

Q.46 The mean spherical candle power of a lamp that emits a total flux of light of 1500 lumen is:

Ans

 \times 1. 1500 × 4 π

 \times 2. 1500 × 2 π

 \times 3. 1500 / 2π

 \checkmark 4. 1500 / 4π

Q.47 A single-phase motor takes 50 A at a power factor angle of 30° lagging from a 250-V, 50-Hz AC supply. What value of capacitance must a shunting capacitor have to raise the power factor to unity?

Ans

× 1. 212.3 μF

× 2. 838.6 μF

X 3. 636.6 µF

🗸 4. 318.3 μF

Q.48 An RLC series circuit has a resistance of 2 Ω , inductive reactance of 2 Ω and capacitive reactance of 1 Ω when connected across a 200-V, 50-Hz supply. If the frequency of the supply is now changed to 25 Hz, then power factor of the circuit will be:

Ans

 $\sqrt{1}$ 1. $\frac{2}{\sqrt{5}}$ leading

Question ID: 3675233807

Status: Answered

Chosen Option : 4

Marks : 1.00

Question ID: 3675233786

Status : Answered

Chosen Option : 2

Marks : 1.00

Question ID: 3675233776

Status : **Answered**

Chosen Option : 4

Marks : 1.00

Question ID: 3675233797

Status : Answered

Chosen Option : 3

Marks: -0.25

Question ID: 3675233798

Status : **Answered**

Chosen Option: 3

Marks : -0.25

Question ID: 3675233799

Status : Answered

Chosen Option : 2





 \times 2. $\frac{2}{\sqrt{5}}$ lagging

 \times 3. $\frac{2}{\sqrt{13}}$ leading

 \times 4. $\frac{2}{\sqrt{13}}$ lagging

0.49 In common emitter configuration of a transistor circuit, the common emitter forward amplification factor is given by the ratio:

Ans

√ 1.
\[
\frac{I_C}{I_B}
\]

 \times 2. $\frac{I_E}{I_B}$

X 3. $\frac{I_C}{I_E}$

 \times 4. $\frac{I_B}{I_E}$

0.50 In a 4-pole DC machine, number of cycles of voltage induced in one complete revolution of the armature is:

Ans

X 1. 4

X 2. 1

X 4. 8

Marks: -0.25

Ouestion ID: 3675233755

Status: Answered

Question ID: 3675233810

Marks : 1.00

Chosen Option: 1

Status: Answered

X 1. 4.8 V

X 2. 5.2 V

✓ 3. 6.25 V

X 4. 2.4 V

Ouestion ID: 3675233761 Status: Answered

Chosen Option: 3 Marks: 1.00

Chosen Option: 1

Q.52 The systematic collection of performance data as well as feedback of an individual derived from many stakeholders is called:

1. 360 degree appraisal

X 2. Confidential reports

X 3. 240 degree appraisal

X 4. 120 degree appraisal

Ouestion ID: 3675233816

Status: Answered

Chosen Option: 4

Marks: -0.25

0.53 In a transformer, what is the phasor relationship of the loss component of no-load current with the mutual flux?

X 1. Out of phase with the flux

X 2. Lags flux by 90°

3. Leads flux by 90°

4. In phase with the flux

Question ID: 3675233793

Status: Answered

Chosen Option: 4

Marks : -0.25

Q.54 Protection against negative sequence currents is provided for:

1 transformers

2. generators

Question ID: 3675233775

Status: Answered

Chosen Option: 4





Marks : -0.25 X 3. motors X 4. transmission lines **Q.55** Two inductive reactances of 20 Ω and 5 Ω are connected in parallel across a 220 V 50 Hz sinusoidally varying voltage. Effective value of the inductive reactance seen by the source if source voltage and frequency are changed to 110 V and Question ID: 3675233754 Status: Answered Ans X 1. 5 Ω Chosen Option: 2 X 2. 1 Ω Marks : -0.25 **√** 3. 2 Ω X 4. 4 Ω Q.56 A 240-V DC series motor takes 40 A when giving its rated torque at 1500 rpm, operating in the linear region of magnetisation characteristics. If the armature and field resistance together is 0.3 Ω, then the value of resistance to be added to obtain rated torque at 1000 rpm is: Ouestion ID: 3675233801 Status: Answered Ans V 1. 1.9 Ω Chosen Option: 3 Χ 2. 1.6 Ω Marks: -0.25 X 3. 2.2 Ω X 4. 2.5 Ω Q.57 The current through an inductor of inductance 6 H varies linearly at a rate of 0.5 A/s. What will be the flux linkage in the system after the current has flown for 2 seconds? Ouestion ID: 3675233753 Ans X 1. 3 Wb-turn Status: Answered Chosen Option: 3 × 2. 12 Wb-turn Marks: 1.00 √ 3. 6 Wb-turn X 4. 24 Wb-turn Q.58 A distribution transformer is usually a: Question ID: 3675233771 ★ 1. star/star transformer Status: Answered Chosen Option: 4 × 2. delta/delta transformer Marks: 1.00 X 3. star/delta transformer 4. delta/star transformer Q.59 In the circuit shown, what is the voltage V across the $10-\Omega$ resistor? Ouestion ID: 3675233811 Status: Answered Chosen Option: 1 V 1 ≥ 10 Ω ()5 A Marks: -0.25 X 1. 6.67 V X 2. 10.03 V X 3. 16.7 V 4. 23.34 V Q.60 For the transmission of a given amount of power, if the transmission voltage is increased, then the volume of conductor Ouestion ID: 3675233784 Ans

X 1 remains the same

2. decreases

X 3. increases

X 4.

Status: Answered

Chosen Option: 2 Marks: 1.00





increases in proportion with the increase in voltage

Q.61 A 2000/1000/500-V, single-phase, three-winding autotransformer is to be used as an autotransformer with a supply voltage of 3000 V. Two loads, one of 1050 kVA at 3500 V and the other of 180 kVA at 1000 V, are to be energised this autotransformer output. The currents in the three parts of the winding are:

Ans

X 1. 100 A, 210 A, 80 A

X 2. 80 A, 320 A, 410 A

X 3. 180 A, 120 A, 410 A

4. 110 A, 70 A, 300 A

Ouestion ID: 3675233791

Status: Answered

Chosen Option: 2

Marks: -0.25

Q.62 The solid angle subtended by a sphere at its centre is:

Ans \times 1. 2π steradians

× 2. 6π steradians

× 3. π steradians

4. 4π steradians

Ouestion ID: 3675233795 Status: Answered

Chosen Option: 3

Marks : -0.25

Q.63 A generating station supplies the following loads to various consumers: industrial consumer, 750 MW; commercial establishment, 350 MW; domestic power, 10 MW; and domestic light, 50 MW. If the maximum demand on the station is 1000 MW, the diversity factor is:

Ans

X 1. 0.86

√ 2. 1.16

X 3. 0.91

X 4. 1.1

Question ID: 3675233762

Status: Answered

Chosen Option: 2

Marks: 1.00

Q.64 Identify from the options given below, which one is NOT a source of business ethics?

X 1 Religion

X 2. Culture

X 3. Legal system

4. Political system

Ouestion ID: 3675233819

Status: Answered

Chosen Option: 4

Marks: 1.00

Q.65 In the circuit shown, what are the values of the internal resistance across the open-circuited terminals (a and b) and of the Thevenin's voltage between the terminals a and b?

X 1. 1.43 Ω and 12 V

 \checkmark 2. 7 Ω and 20 V

X 3. 1 Ω and 11 V

× 4. 8 Ω and 10 V

Question ID: 3675233812

Status: Answered

Chosen Option: 2

Marks: 1.00

Q.66 If the voltage and current in an AC circuit are represented as $v = 240 \sin \left(314t - \frac{\pi}{6}\right)$ and $i = 40 \sin \left(314t + \frac{\pi}{2}\right)$, then the power factor of the circuit is:

Ans

X 1. 30° leading

× 2. unity

X 3. zero lagging

4. zero leading

Question ID: 3675233779

Status: Answered

Chosen Option: 2





Q.67 A 24-V, 600-mW Zener diode is to be used for providing a 24-V stabilised supply to a variable load. If the input voltage is 32 V, the value of the series resistance required is:

Ans

Χ 1. 1280 Ω

Χ 2. 426 Ω

Χ 3. 960 Ω

4. 320 Ω

Question ID: 3675233809

Status : Answered

Chosen Option : 3

Marks : -0.25

Question ID : 3675233765

Status : Answered

Chosen Option : 4

Marks: -0.25

Q.68 Which of the following instruments has the same calibration in AC and DC?

Ans

X 1. Moving coil type

✓ 2. Electrodynamometer type

X 3. Induction type

X 4. Moving iron type

Q.69 A squirrel-cage induction motor has a starting current of 6 times the full-load current and a full-load slip of 0.05. If it is started using a star-delta starter, the values of the starting line current and the starting torque, respectively, are:

Ans

√ 1. 2 pu and 0.6 pu

X 2. 4 pu and 1.2 pu

X 3. 1.15 pu and 0.35 pu

X 4. 3.46 pu and 0.17 pu

Question ID: 3675233790

Status : Answered

Chosen Option : 3 Marks : -0.25

Q.70 The material used for the core of a current transformer should have:

Ans

√ 1. low reluctance and low iron loss

× 2 high reluctance and low iron loss

X 3. high reluctance and high iron loss

4 low reluctance and high iron loss

Question ID: 3675233766

Status : **Answered**

Chosen Option : 1

Marks : 1.00

Section: General Knowledge

Q.1 Export-Import bank of India was established in which year?

Ans

X 1. 1980

X 2. 1981

√ 3. 1982

X 4. 1984

Question ID: 3675233823

Status : Answered

Chosen Option : 4

Marks: -0.25

Q.2 Where is the headquarters of the 'International Committee of the Red Cross' situated?

Ans

√ 1. Geneva

X 2. New York

X 3. Madrid

X 4. Hague

Question ID: 3675233827

Status: Answered

Chosen Option : ${f 1}$

Marks : 1.00

Q.3 Which one of the following gases is considered to be a noble gas?

Ans

1. Krypton

× 2. Ethane

X 3. Hexane

Question ID : 3675233825

Status : **Answered** Chosen Option : **1**

Marka . 1 O



Ans

X 1. Rajasthan



X 4. Arsine Q.4 The headquarters of 'Economic Commission of Africa' (ECA) is located at which place? Ouestion ID: 3675233828 X 1 Nairobi Status: Answered 2. Addis Ababa Chosen Option: 3 Marks: -0.25 X 3. Cairo X 4. Harare Q.5 Which of the following are the working languages of the UNESCO? Ouestion ID: 3675233829 ✓ 1. French & English Status: Answered Chosen Option: 2 X 2. English & Russian Marks : -0.25 X 3. French & German X 4 English & German Q.6 Which of the following provides resistance against diseases in the body? Ouestion ID: 3675233824 Ans ✓ 1. White corpuscles Status: Answered Chosen Option: 1 X 2. Vitamins Marks: 1.00 X 3. Red corpuscles X 4. Platelets What is the life span of RBC? Question ID: 3675233826 Ans Status: Answered X 1. 100 days Chosen Option: 2 X 2. 80 days Marks : -0.25 X 3. 160 days 4. 120 days When was the Pin Code system introduced in India? Question ID: 3675233822 Status: Answered Ans √ 1. 15 August 1972 Chosen Option: 2 X 2. 15 August 1971 Marks : -0.25 X 3. 15 August 1970 X 4. 15 August 1974 Q.9 The sea-coast of which of the following states is the longest? Question ID: 3675233821 X 1. Maharashtra Status: Answered Chosen Option: 2 2. Gujarat Marks: 1.00 X 3. Tamil Nadu X 4. Andhra Pradesh Q.10 'Chholiya' is the famous dance form of which state?

Question ID : 3675233820 Status : Answered

Chosen Option: 3





✓ 2. Uttarakhand

X 3. Himachal Pradesh

X 4. Haryana

Section: Reasoning

Q.1 In the set of letters, symbols and numbers given below, how many times does a vowel come immediately before a consonant but not immediately after a symbol?

G w @ a 0 0 2 1 i P x * e g p s 2 @ u m * 5 \$ e f n e d % f u g * C 5 a Q v i x % N a m #

Ans X 1. 4

X 2. 10

X 3. 8

4. 6

Question ID: 3675233830

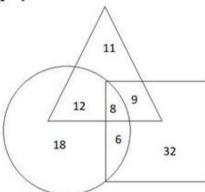
Marks: -0.25

Status: Answered

Chosen Option: 1 Marks: -0.25

Comprehension:

The triangle represents children who play Chess, the circle represents children who play Hockey and the rectangle represents children who play Kabaddi.



Study the diagram above and answer the given questions.

SubQuestion No: 2

Q.2 What is the number of children who play all the three games?

Ans X 1. 12

X 2. 6

X 3. 9

4. 8

Question ID: 3675233833

Status: Answered

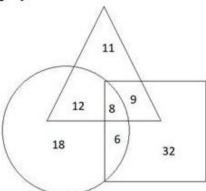
Chosen Option: 4

Marks: 1.00

Comprehension:



The triangle represents children who play Chess, the circle represents children who play Hockey and the rectangle represents children who play Kabaddi.



Study the diagram above and answer the given questions.

SubQuestion No : 3

Q.3 What is the number of Hockey players who play any one of the other given games?

Ans X 1. 26

X 2. 36

X 3. 35

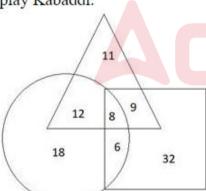
4. 18

Question ID: 3675233835 Status: Answered

Chosen Option: 4 Marks: 1.00

Comprehension:

The triangle represents children who play Chess, the circle represents children who play Hockey and the rectangle represents children who play Kabaddi.



Study the diagram above and answer the given questions.

SubQuestion No: 4

Q.4 What is the number of children who play either Kabaddi or Hockey or both but do not play Chess?

Ans X 1. 24

X 2. 50

3. 56

X 4. 38

Ouestion ID: 3675233832

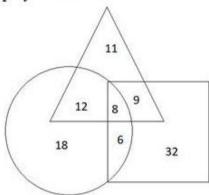
Status: Answered

Chosen Option: 4



Comprehension:

The triangle represents children who play Chess, the circle represents children who play Hockey and the rectangle represents children who play Kabaddi.



Study the diagram above and answer the given questions.

SubQuestion No: 5

Q.5 What is the number of children who play exactly two of the given games?

Ans X 1. 21

X 2. 18

X 3. 15

4. 27

Question ID: 3675233834

Status: Answered

Chosen Option: 2 Marks : -0.25

Q.6 If 'S' means 'Addition', '@' means 'Subtraction', '#' means 'Multiplication', and 'C' means 'Division', then 95 © 5 # 2 \$ 7 @ 4 = ?

Ans

1. 41

X 2. 38

X 3. 49

X 4. 48

Question ID: 3675233840

Status: Answered

Chosen Option: 1

Marks: 1.00

0.7 Five friends, Raunak, Akshay, Prem, Chang, and Melissa, are sitting around a circular table. Raunak is sitting immediately next to Akshay but not sitting immediately next to Prem. Akshay is not sitting next to Chang. Melissa is sitting to Raunak's immediate right. Prem is sitting to Akshay's immediate left. Chang is sitting between Prem and Melissa. Who is sitting between Akshay and Chang?

Ans

X 1. Cannot be determined

X 2. Raunak

X 3. Melissa

4. Prem

Question ID: 3675233837

Status: Answered

Chosen Option: 3 Marks : -0.25

Q.8 Which two numbers will come in place of the two '?' in the series?

7, 16, 25, 34, 43, 52, ?, ?, 79

Ans X 1. 59, 66

× 2. 57, 72

X 3. 60, 69

4. 61, 70

Question ID: 3675233838

Status: Answered

Chosen Option: 4





Q.9 In a cricket match, Rahul scored 67 runs. Kapil scored 16 runs more than Rahul but 3 runs less than Vishwa. Srinath scored 4 runs less than Imran, and 2 runs more than Vishwa. Who scored the highest runs in the given match? Question ID: 3675233836 Ans X 1. Kapil Status: Answered Chosen Option: 4 X 2. Vishwa Marks : -0.25 Ja. Imran X 4. Srinath Q.10 What will come in place of '?' in the series? Question ID: 3675233839 Status: Answered 2, 6, 12, 20, ?, 42, 56 Chosen Option: 3 Marks: 1.00 Ans X 1. 32 X 2. 28 **3**. 30 X 4. 36 Section: General English Q.1 The following sentence is divided into three parts. Identify the part that has an error in it. If there is no error, mark the option 'No error' as your answer. Question ID: 3675233848 Initially, the film Gandhi was rejected by many producers, / but Attenborough's perseverance / brings out a classic Status: Answered Chosen Option: 2 Ans X 1. Marks: 1.00 Initially, the film Gandhi was rejected by many producers 2. brings out a classic movie about Gandhi X 3. but Attenborough's perseverance X 4. No error Q.2 Select the most appropriate adjective to fill in the blank. Question ID: 3675233842 The lawyer asked his subordinate to read the ______ book of laws and keep the notes ready for the next case. Status: Answered Ans X 1 volume Chosen Option: 1 × 2. volumes Marks: -0.25 X 3. flimsy 4. voluminous 0.3 Select the most appropriate verb to fill in the blank. Question ID: 3675233850 If Ramanujam _____ here today, he would be amazed at the speed of the calculating ability of a computer. Status: Answered Ans X 1 is living Chosen Option: 3 Marks : -0.25 ✓ 2. were X 3. was X 4. lives Q.4 The following sentence is divided into three parts. Identify the part that has an error in it. If there is no error, mark the Question ID: 3675233846 Status: Answered

Chosen Option: 1

Marks : -0.25

On reading the hidden document, / the realisation was dawned upon him / that he has been betrayed.

Ans 1 that he has been betrayed

2 the realisation was dawned upon him

X 3. No error





| X 4. On reading the hidden document | |
|--|---|
| Q.5 The following sentence is divided into three parts. Identify the part that has an error option 'No error' as your answer. The government has appointed / the most acclaimed architecture company / to but Ans 1. No error 2. the most acclaimed architecture architecture company / to but a compan | Question ID : 3675233847 Status : Answered Chosen Option : 4 Marks : 1.00 |
| 4 to building the smart city | |
| Q.6 Select the most appropriate option to fill in the bla I bought a frock for my little grand-da Ans | Question ID : 36/5233849 |
| 3. silk gorgeous pink4. gorgeous silk pink | |
| Q.7 Select the most appropriate adjective to fill Dolly felt very about leaving the U Ans | Question ID . 30/3233043 |
| Q.8 Select the most appropriate adverb to fill in the blank. He visited the orphanage to help the children in their students. Ans 1. frequently | Question ID : 3675233845 Status : Answered Chosen Option : 4 Marks : -0.25 |
| Q.9 Select the most appropriate adjective to fill in the blank. The ants are so that people always quote them as a 1. industry 2. indigenous 3. industrial | Question ID : 3675233841 Status : Answered Chosen Option : 4 Marks : 1.00 |
| ✓ 4. industrious | |
| Q.10 Select the most appropriate adverb to fill in the blank. The minister addressed the gathering to announce Ans 1. sorrowful | Question ID : 3675233844 Status : Answered Chosen Option : 1 Marks : -0.25 |





√ 2. solemnly

X 3. sad

X 4. hardly

