



## **DDA JE**

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## **EdCIL - DDA JE (Civil & Elect) Exam**

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Participant ID:	
Participant Name:	
Test Center Name:	
Test Date:	25/04/2018
Test Time:	12:30 PM - 2:30 PM
Subject:	JE E&M

Section: Domain

Q.1 What is the reflection coefficient for a short circuit line?

Ans

**√** 1. **−1** 

X 2. 0.5

**X** 3. 1

X 4. 0

Q.2 The drive motor used in a mixer-grinder is:

Ans

✓ 1. a universal motor

X 2. a synchronous motor

X 3. an induction motor

X 4. a DC motor

Q.3 A capacitor used for power factor correction in single phase circuit decreases:

Ans

√ 1. the line current and increases power factor

× 2. both line current and power factor

X 3. line current

X 4. power factor

Q.4 In which type of fault, zero sequence currents do not exist?

Ans

✓ 1. Line to Line

X 2. Line-Line to Ground

X 3. Line to Ground

4. Line-Line-Line to Ground

Q.5 What is the purpose of providing an iron core in a transformer?

Ans

X 1. To reduce hysteresis loss

X 2. To reduce Eddy current losses

X 3. To provide support to windings

**4**.

To decrease the reluctance of the magnetic path

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

Ouestion ID: 9497309919

Question ID: 9497309946

Status : Answered

Chosen Option: 1

Question ID : 9497309938

Status : Answered

Chosen Option: 1

Ouestion ID : 9497309927

Status: Marked For Review

Chosen Option :  ${\bf 3}$ 

Question ID : 9497309950

Status : Answered





Commutator in DC generator is used for:

X 1. reducing losses

✓ 2. converting AC armature current in to DC

X 3. increasing efficiency

X 4. collecting current

Q.7 The volume of copper required for an AC transmission line is:

proportional to voltage

proportional to power factor

inversely proportional voltage and proportion to current

X 1. Only II

X 2. Both I and II

3. Only III

X 4. Only I

Q.8 What does Millman's theorem yield?

✓ 1. Equivalent voltage source

X 2. Equivalent resistance

X 3. Equivalent admittance

X 4 Equivalent impedance

Load factor during a period is defined as:

Ans

Maximum Load Installed Capacity

Average Load Maximum Load

× 3. Average Load
Installed Capacity

× 4. Maximum Load
Average Load

Q.10 Transformer action requires:

Q.11

X 1. a constant magnetic flux

× 2. an increasing magnetic flux

X 3. an alternating electric flux

4 an alternating magnetic flux

Ouestion ID: 9497309945

Status: Answered

Chosen Option: 2

Question ID: 9497309926

Status: Answered

Chosen Option: 3

Question ID: 9497309948

Status: Answered

Chosen Option: 4

Question ID: 9497309922

Status: Answered

Chosen Option: 2

Question ID: 9497309931

Status: Answered

Chosen Option: 4

Ouestion ID: 9497309925

Status: Marked For Review





What are the two parts of Indian electricity tariff?

- Fixed and variable charges
- II. Capacity charges and energy charges
- III. Capital cost and UI charges

Ans

- X 1. Only III
- X 2. Both I and II
- X 3. Only II
- √ 4. Only I

Q.12 यदि A और B के निरपेक्ष विभव क्रमश: -8 V और -16 V हो तो VAB (वोल्टेज A, B के सम्बन्ध में) कितना होगा?

Ans

- X 1. \_8 V
- √ 2. 8 V
- X 3. 24 V
- X 4. -24 V

Question ID: 9497309929

Status: Marked For Review

Chosen Option: 2

Q.13 Internal characteristics are plotted between:

Ans

- X 1. Eg Vs Load Current
- X 2. V Vs Ia
- X 3. V Vs load Current
- ✓ 4. Eg Vs Ia

Question ID: 9497309949

Status : Answered

Chosen Option : 4

Q.14 Which of the following quantities are known on generator bus?

Ans

- X 1. V and phase angle
- X 2. Q and V
- ✓ 3. P and Q
- X 4. V and P

Question ID: 9497309912

Status: Answered

Chosen Option: 3

 $\boldsymbol{Q.15}~A~1~\mu F$  capacitor is connected to a 12 V battery. What is the energy stored in the capacitor?

Ans

- $\times$  1. 12 × 10<sup>-6</sup> J
- $\sqrt{2.72 \times 10^{-6}}$  I
- $\times$  3. 24 × 10<sup>-6</sup> I
- $\times$  4. 48  $\times$  10<sup>-6</sup> I

Question ID : 9497309940

Status: Answered

Chosen Option : 2

Q.16 A network has two branches in parallel. One branch contains impedance Z1 and the other branch has impedance Z2. If it is fed from an AC voltage V of frequency f, what does the current through Z1 depend on?

Ans

- X 1. V, Z2
- ✓ 2. V. Z1
- X 3. Z1, Z2
- X 4. V, Z1, Z2

Question ID: 9497309936

Status: Marked For Review

Chosen Option: 3

Q.17 A circuit is replaced by its Thevenin's equivalent to find current through a certain branch. If VTH = 10 V and RTH = 20  $\Omega$ , the current through the branch:

Ans

Question ID: 9497309937





✓ 1. will always be equal to or less than 0.5 A.

× 2. will always be 0.5 A

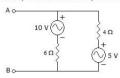
X 3. will always be less than 0.5 A

X 4 may be 0.5 A or more or less

Status: Marked For Review

Chosen Option: 1

Q.18 In the given circuit, viewed from AB, the circuit can be reduced to an equivalent circuit as:



Ouestion ID: 9497309932

Status: Not Attempted and **Marked For Review** 

Chosen Option: --

 $\times$  1. 1 volt source in series with 10 Ω resistor

✓ 2. 7 volts source in series with 2.4  $\Omega$  resistor

 $\times$  3. 5 volts source in series with 10  $\Omega$  resistor

× 4. 15 volts source in series with 2.4 Ω resistor

Q.19 Two coils having self-inductances of 10 mH and 40 mH are mutually coupled. What is the maximum possible mutual

Ans

X 1. 40 mH

2. 20 mH

X 3. 5 mH

X 4. 10 mH

Ouestion ID: 9497309934

Status: Answered Chosen Option: 2

Q.20 Two windings of transformer are designed as:

X 1. primary and h.v. windings



Status: Answered

Ouestion ID: 9497309915

Chosen Option: 4

h.v. and l.v. windings or equal voltage windings

secondary and l.v. windings or primary and l.v. windings

4. primary and secondary windings

Q.21 Impedance relay is used for protection in:

✓ 1. medium transmission lines

× 2. short transmission lines



both long transmission lines and short transmission lines

X 4 long transmission line

Q.22 Which device is used in substations to improve the power factor?

X 1. Synchronous reactor

X 2. Series inductor

✓ 3. Synchronous condenser

X 4. Series capacitor

Question ID: 9497309920 Status: Answered

Chosen Option: 1

Question ID: 9497309916

Status: Answered





Ouestion ID: 9497309944 Q.23 The EMF induced in the DC generator armature winding is: Status: Answered X 1. None Chosen Option: 3 X 2. AC and DC √ 3. AC X 4. DC Q.24 Shunt capacitance is neglected in the analysis of which transmission lines? Question ID: 9497309918 ✓ 1. Short Status: Answered Chosen Option: 1 X 2. Both long and medium X 3. Long X 4. Medium Q.25 Which act is used to regulate Indian power sector today? Question ID: 9497309924 X 1 Indian Electricity Act 1910 Status: Marked For Review Chosen Option: 3 × 2. Indian Electricity Act 1948 X 3. Indian Electricity Act 2000 4. Indian Electricity Act 2003 0.26 Which device is employed to reduce the power factor in case of leading power factor in the transmission line? Synchronous condenser
 SVC Question ID: 9497309923 3. Reactor Status: Answered Ans √ 1. Only (3) Chosen Option: 1 X 2. Only (2) X 3. (1), (2) and (3) X 4. Only (1) Q.27 In the circuit shown below, what is the current I of sinusoidal source? Question ID: 9497309935 12 A 16 A Status: Answered Chosen Option: 3 ã L Ans X 1. 4 A × 2. It cannot be determined from the given data. √ 3. 20 A X 4. 25 A Q.28 Which motor can conveniently be operated at lagging as well as leading power factors? Ouestion ID: 9497309947 Ans Wound rotor induction motor Status: Answered Chosen Option: 3 × 2. Squirrel cage induction motor

3. Synchronous motor

X 4. DC shunt motor

Q.29

Ouestion ID: 9497309943





Following statements are made regarding the Open Circuit Test on the single phase transformer:

- 1. It is performed on LV side.
- 2. It is performed at rated current.
- 3. It helps in calculation of equivalent leakage impedance.
- 4. It is performed on HV side.
- 5. It is performed at rated voltage
- 6. It gives magnetizing current and core loss.
- 7. It helps in determination of voltage regulation.
- 8. It gives turn ratio.

From these, which statements are correct?

Ans

- X 1. 2, 4, 6, 8
- **√** 2. 1, 5, 6, 8
- X 3. 3, 4, 5, 6, 8
- X 4. 2, 4, 7

Q.30 As the load on the transformer is increased, the core losses:

Ans

**X** 1.

may decrease or increase slightly depending upon the nature of the load

✓ 2. remain constant

X 3. increase slightly

X 4. decrease slightly

Question ID : 9497309942 Status : Answered

Status: Answered

Chosen Option: 3

Chosen Option: 2

Q.31 String efficiency cannot be improved by:

Ans

- X 1 grading the insulator
  - 2. using paint
  - X 3. using longer cross arm
- X 4. using a guard ring

Q.32 What will happen if any two phases of an induction motor are interchanged?

Ans

- ★ 1. The motor will run at reduced speed.
- × 2. The motor will burn.
- X 3. The motor will not run.
- ✓ 4. The motor will run in reverse direction.

Q.33 Which of the following is non-linear circuit parameter?

Ans

- ✓ 1. Transistor
- X 2. Inductance within saturation
- X 3. Wire wound resistor
- X 4. Condenser

Q.34 The poles with greater displacement from the real axis in left side correspond to:

Δns

- X 1. unbounded output
- X 2. lower frequencies of oscillation
- X 3. higher frequencies of oscillation

**4** 

Question ID : 9497309921 Status : Answered

Question ID : 9497309951

Status : Answered

Chosen Option: 4

Chosen Option: 2

Question ID: 9497309928

Status: Answered

Chosen Option: 1

Question ID: 9497309941

Status: Not Answered





stable and may have higher frequencies of oscillation with exponentially decaying magnitude Q.35 A two branch tuned circuit has a coil of resistance R and inductance L in one branch and capacitance C in the second Question ID: 9497309939 Ans 1 may increase or decrease Status: Marked For Review Chosen Option: 4 √ 2. decreases 3. remains constant X 4. increases Porcelain insulator does not have: Question ID: 9497309914 Ans X 1. Kaolin Status: Answered Chosen Option: 3 2. Silica X 3. Feldspar X 4. Quartz Q.37 Gas insulated substation is smaller than conventional substation because of: Ouestion ID: 9497309917 1. high insulation property of SF6 gas 2. high dielectric property of SF6 gas Status: Answered 3. high electronegative property of SF6 gas Chosen Option: 3 X 1. Only (1) X 2. Only (3) √ 3. (1), (2) and (3) X 4. Only (2) Q.38 A series RLC circuit has a resonant frequency of 1000 Hz. The maximum voltage across C is likely to occur at a frequency of about Ouestion ID: 9497309933 Ans X 1. 1025 Hz Status: Marked For Review Chosen Option: 4 X 2. 2000 Hz X 3. 900 Hz 4. 1000 Hz. An ideal voltage source should have: Question ID: 9497309930 Status: Answered X 1. infinite source resistance Chosen Option: 4 × 2. large value of e.m.f. X 3. small value of e.m.f. 4. zero source resistance Q.40 If we use bundled conductors in EHV transmission, it will: Question ID: 9497309913 1 increase capacitance Status: Answered Chosen Option: 4

X 2. decrease the inductance

3. increase effective radius

increase effective radius and decrease the inductance

Q.41 What is the expression for the crippling load P for a column of length L with one end fixed and other end free?

Ans

Question ID: 9497309979





 $\times$  1.  $\frac{4\pi^2 \text{EI}}{\text{L}^2}$ 

 $\times$  2.  $\frac{2\pi^2 \text{EI}}{\text{L}^2}$ 

 $\checkmark$  3.  $\frac{\pi^2 EI}{4L^2}$ 

 $\times$  4.  $\frac{\pi^2 EI}{L^2}$ 

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

Question ID : 9497309986

Status : Answered

Chosen Option: 4

Q.42 In which of the following is a flywheel generally employed?

Ans X 1. Electric motor

X 2. Lathe

X 3. Gearbox

✓ 4. Punching machine

Q.43 A steel bar of 20 mm × 20 mm square cross-section is subjected to an axial compressive load of 100 kN. If the length of the bar is 4 m and E = 200 GPa, what will be the elongation of the bar?

Ans

✓ 1. 5 mm

X 2. 2.5 mm

X 3. 10 mm

X 4. 1.25 mm

Question ID: 9497309977

Status : Answered

Chosen Option: 1

Q.44 The speed of an engine varies from 110 rad/s to 90 rad/s. During cycle, the change in kinetic energy is found to be 200 N-m. What is the inertia of the flywheel?

Ans

 $\times$  1. 0.2 kg- m<sup>2</sup>

√ 2. 0.1 kg- m<sup>2</sup>

 $\times$  3. 0.8 kg-  $m^2$ 

X 4. 0.4 kg- m<sup>2</sup>

Question ID: 9497309983
Status: Not Answered

Chosen Option: --

Q.45 A jet of water issues from a nozzle with a velocity of 10 m/s and it impinges normally on a fixed flat plate. The cross sectional area of the jet is 0.02 m<sup>2</sup> and the density of water is 1000 kg/m<sup>2</sup>. What is the force developed on the plate?

Ans

1. 2000 N

X 2. 400 N

X 3. 4000 N

X 4. 200 N

Question ID : 9497309955

Status: Not Answered

Chosen Option: --

Q.46 In carburetors, the top of the fuel jet with reference to the level in the float chamber is kept:

An

1 at slightly lower level

× 2. at the same level

X 3. anywhere

4 at slightly higher level

Question ID: 9497309961

Status : Answered

Chosen Option : 1

Question ID : 9497309988 Status : Not Answered

Q.47





If

p =bearing pressure on projected bearing area,

Z = absolute viscosity of lubricant, and

N =speed of journal,

then the bearing characteristic number is given by:

Ans

$$\checkmark$$
 1.  $\frac{ZN}{p}$ 

$$\times$$
 2.  $\frac{p}{ZN}$ 

$$imes$$
 3.  $rac{Z}{pN}$ 

$$\times$$
 4.  $\frac{N}{Zp}$ 

Q.48 Which of the following is true about belt in V-belt drive?

Ans

X 1. It touches at bottom.

X 2. It touches both at bottom and sides.

3. It touches at sides only.

X 4. It could touch anywhere.

Q.49 What are the two reference fuels used for cetane rating?

Ans

√ 1. cetane and α-methyl napthalene

X 2. cetane and n-heptane

× 3. cetane and tetraethyl lead

X 4. cetane and iso-octane

Q.50 Which of the following mechanisms represents an inversion of the double slider crank chain?

Ans

X 1. Whit worth quick return mechanism

X 2. Pantograph mechanism

X 3. Hand pump

✓ 4. Elliptical trammel

**Q.51** Two shafts A and B are made of the same material. The diameter of shaft B is thrice that of shaft A. What is the ratio of power which can be transmitted by A to power that can be transmitted by shaft B?

Ans

$$\times$$
 1.  $\frac{1}{81}$ 

$$\times$$
 2.  $\frac{1}{3}$ 

$$\times$$
 3.  $\frac{1}{9}$ 

Chosen Option: --

Question ID: 9497309987

Status : **Answered** 

Chosen Option: 3

Question ID : 9497309959

Status : **Answered** 

Chosen Option : 3

Question ID: 9497309984

Status : Answered

Chosen Option: 4

Question ID : 9497309980

Status : Answered







Q.52 Oil flows through a 100 mm diameter horizontal pipe (friction factor = 0.05) of length 100 m having velocity of 4 m/s.
What is the head loss due to friction?

X 1. 200 m

X 2. 20 m

X 3. 400 m

4. 40 m

Q.53 Bernoulli's equation is applicable between any two points located in:

Ans

steady, irrotational flow of an incompressible fluid

steady, rotational flow of an incompressible fluid

**X** 3.

irrotational flow of compressible or incompressible fluid

4 rotational flow of an incompressible fluid

0.54 The spindle speed range in a general purpose lathe is divided into steps which approximately follow:

1 arithmetic progression

X 2. logarithmic progression

√ 3. geometric progression

X 4. harmonic progression

Q.55 Which of the following is a self-aligned bearing?

√ 1. Sphercal

X 2. Conical

X 3. Journal

X 4. Rectangular

Q.56 A sample of ideal gas has an internal energy U and is then compressed to one-half of its original volume while the temperature stays the same. What is the new internal energy of the ideal gas in terms of U?

Ans

$$\times 1.\frac{1}{2}$$
U



$$\times$$
 4.  $\frac{1}{4}$ U

Q.57 Which type of governor is commonly employed in gramophones for adjusting the speed of the turntable?

X 1. Watt governor

2. Pickering governor

X 3. Hartnell governor

Question ID: 9497309954

Status: Not Answered

Chosen Option: --

Ouestion ID: 9497309953 Status: Answered

Chosen Option: 1

Question ID: 9497309969

Status: Answered

Chosen Option: 1

Question ID: 9497309989

Status: Answered

Chosen Option: 3

Question ID: 9497309963

Status: Answered

Chosen Option: 2

Question ID: 9497309985

Status: Answered





X 4. Inertia governor **Q.58** In the formulation of Lewis equation for toothed gearing, the load  $F_T$  acts on: Question ID: 9497309991 √ 1 face of the tooth Status: Answered X 2. tip of the tooth Chosen Option: 2 X 3. root of the tooth X 4. pitch point Backward curved vanes are used in: Question ID: 9497309956 X 1. reciprocating pump Status : Answered Chosen Option: 2 2. centrifugal pump X 3. positive displacement pump X 4 axial flow pump Q.60 A milling cutter having 8 teeth is rotating at 200 r.p.m. If the feed per tooth is 0.1 mm, then what is its speed? Question ID: 9497309970 Ans X 1. 70 mm per minute Status: Not Answered Chosen Option: --X 2. 87 mm per minute √ 3. 160 mm per minute X 4. 120 mm per minute Q.61 Major difficulty during welding of aluminum is due to: Ouestion ID: 9497309976 √ 1 high tendency of oxidation Status: Answered Chosen Option: 4 X 2. low density X 3. high thermal conductivity

Q.62 A kaplan turbine is:

X 4. low melting point

X 1 high head mixed flow turbine

√ 2. low head axial flow turbine

3. outward flow reaction turbine

4 inward flow impulse turbine

Q.63 Which of the following cycles consists of two adiabatic and constant volume process?

Ans X 1. Joule cycle

X 2. Diesel cycle

3. Otto cycle

X 4. Dual cycle

Q.64 Which of the following welding processes uses vacuum?

Question ID: 9497309960

Ouestion ID: 9497309952 Status: Answered

Chosen Option: 3

Chosen Option: 2

Status: Answered

Question ID: 9497309974





X 1 LBW Status: Answered Chosen Option: 2 ✓ 2. EBW X 3. Arc welding X 4. Resistance welding Q.65 Amount of energy consumption per unit volume of metal removal is maximum in: Question ID: 9497309972 X 1 Reaming Status: Answered Chosen Option: 2 2. Grinding X 3. Turning X 4. Milling Q.66 In a throttling process, which of the following parameters remains constant? Ouestion ID: 9497309958 Ans X 1. Pressure Status: Answered × 2. Entropy Chosen Option: 3 ✓ 3. Enthalpy X 4. Temperature Q.67 In which casting operation is an expandable pattern used? Question ID: 9497309967 X 1. Centrifugal Status: Answered Chosen Option: 1 X 2. Slush X 3. Squeeze 4. Investment Q.68 Which of the following is used to convert a rotational motion to translational motion? Ouestion ID: 9497309990 1. Rack and pinion gears Status : Answered Chosen Option: 1 X 2. Double helical gears X 3. Bevel gears X 4. Worm gears **Q.69** Which of the following materials is used as the bonding material for grinding wheel? Question ID: 9497309975 X 1. Boron carbide Status: Not Answered X 2. Silicon carbide Chosen Option: --X 3. Aluminium oxide 4. Sodium silicate Q.70 A fusible plug is fitted in small boilers in order to: Question ID: 9497309966 Status: Answered

Chosen Option: 3

Ans X 1. avoid explosion

× 2. control steam dome

**3**.

extinguish fire if water level in the boiler falls below alarming limit





X 4. avoid excessive buildup of pressure

Q.71 Which of the following is not a fusion welding process?

X 1. Gas welding

✓ 2. Friction stir welding

X 3. Arc welding

X 4. Resistance welding

0.72 A solid circular shaft is subjected to a bending moment M and twisting moment T. What is the equivalent twisting moment Te ?

 $\times$  1. M + T

 $\checkmark$  2.  $(M^2 + T^2)^{1/2}$ 

 $\times$  3.  $M^2 + T^2$ 

 $\times$  4. M - T

Q.73 At the triple point of a pure substance, what is the number of degrees of freedom?

X 1. 2.

**2**. 0

X 3. 1

X 4. 3

Q.74 Hot tearing in metal casting is due to:

X 1 high melting temperature

X 2. low coefficient of thermal expansion

3. wide range of solidification temperature

X 4. high fluidity

Q.75 De-Laval turbine is a:

✓ 1 single rotor impulse turbine

X 2 reaction turbine

X 3. axial flow turbine

X 4 multi-rotor impulse turbine

Q.76 A four-bar chain has:

**X** 1.

one sliding pair and the other are turning pairs

one turning pair and the others are sliding pairs

✓ 3. all turning pair

X 4. all sliding pairs

Ouestion ID : 9497309968

Status : Answered

Chosen Option: 4

Ouestion ID: 9497309978

Status · Answered

Chosen Option: 2

Ouestion ID: 9497309962

Status: Answered

Chosen Option: 2

Ouestion ID: 9497309971

Status : Answered

Chosen Option: 1

Question ID: 9497309957

Status: Not Answered

Chosen Option: --

Question ID: 9497309982

Status: Answered

Chosen Option: 1

Q.77 It is required to produce large amount of steam at low pressure. Which boiler should be used?





Ans X 1. Babcock and Wilcox boiler

X 2. Cochran boiler

3. Lancashire boiler

X 4. Pulverised fuel fired boiler

Question ID : 9497309965 Status : Not Answered

Chosen Option: --

Q.78 Point of contraflexure occurs where:

ns X 1 bending moment is maximum or minimum.

2. bending moment is constant.

X 3. loading is constant.

✓ 4. bending moment is zero.

Question ID : 9497309981 Status : Answered

Chosen Option: 4

Q.79 Trepanning is performed for:

Ans X 1. finishing a drilled hole

× 2. truing a hole for alignment

X 3. producing a large hole without drilling

✓ 4. enlarging a drilled hole

Question ID: 9497309973

Status : **Answered** 

Chosen Option : 3

Q.80 For reversible adiabatic process, the change in entropy is:

Ans 🧹 1. zero

× 2. maximum

X 3. minimum

X 4. unpredictable

Question ID: 9497309964

Status : Answered

Chosen Option :  ${f 1}$ 

Section: Reasoning

Q.1 कथन तथा उसके कुछ निष्कर्ष नीचे दिए गए हैं।

कथन: कुछ छात्र उच्च शिक्षा के लिए विदेश जाते हैं।

निष्कर्ष: I. वे गुणवत्तापूर्ण शिक्षा प्राप्त करने में रुचि रखते हैं।

II. उनके माता-पिता अमीर हैं।

III. उनके माता-पिता ने विदेश में पढ़ाई की है।

Question ID: 94973010001

Status : Answered

Chosen Option: 1

निम्नलिखित निष्कर्षों में से कौन सा/से निष्कर्ष तार्किक रूप से दिए गए कथन का पालन करता/करते है?

Ans 🔀 1 केवल निष्कर्ष । पालन करता है।

√ 2 कोई भी पालन नहीं करता है।

X 3 | और III दोनों पालन करते हैं।

🗡 4 । और ॥ दोनों पालन करते हैं।

Q.2 एक ट्यक्ति पश्चिम दिशा में 7 किमी चलता है तथा फिर अपने दाईं ओर मुडकर 7 किमी चलता है और फिर अपनी बाईं ओर मुडकर 7 किमी चलता है। अंत में अपनी बाईं ओर मुडकर 7 किमी चलता है। वह अपने आरंभ बिंदु से कितनी द्री और किस दिशा में है?

Ans

1 12 किमी, दक्षिण

√ 2. 12 किमी, पश्चिम

🗙 3. 21 किमी, पूर्व

Question ID : 9497309998

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





## ★ 4. 7 कि.मी. उत्तर

Q.3 Find the related number to complete the analogy.

7261:9483::5314:?

X 1. 6341

X 2. 8647

X 3. 6425

4. 7536

Q.4 40 व्यक्तियों में से 21 फ़िल्म देखना पसंद करते हैं तथा 13 पिकनिक जाना पसंद करते हैं, जबकि 4 लोग दोनों में से किसी में भी रुचि नहीं रखते हैं। कितने लोग कम से कम एक गतिविधि में रुचि रखते हैं?

Ans

X 1. 19

√ 2. 36

X 3. 17

X 4. 34

Question ID: 94973010000 Status: Answered

Ouestion ID: 9497309993 Status: Answered

Chosen Option: 2

Chosen Option: 4

Q.5 Find the value of 'k' in the given table.

3 10 21 22 96 17 52 13

Ans

**1.16** 

X 2. 18

X 3. 12

X 4. 14

Q.6 राहुल की वर्तमान आयु और राहुल के जन्म के समय उसके पिता की आयु समान है। यदि अब पिता की आयु 42 साल है तो 7 साल बाद राहुल की उम क्या होगी?

× 1. 21 साल

× 2. 27 साल

X 3. 24 साल

√ 4. 28 साल

Question ID: 9497309999 Status: Answered

Chosen Option: 1

सादृश्य को पूरा करें।

भारत : रुपया : : आर्मेनिया : ?

X 1. मनत

2. ड्राम

**X** 3. लारी

X 4. बाट

Question ID: 9497309996 Status: Answered

Chosen Option: 4

Question ID: 9497309994

Status: Not Answered

Chosen Option: --

Q.8 P की बहन Q है और D का पिता R है। D का P से क्या संबंध है?

Question ID: 9497309992





Ans

**X** 1. #ĭ

🗙 2. बहन

X 3. भांजी/भतीजी

√ 4 निर्धारित नहीं कर सकते

Q.9 एक विशिष्ट भाषा में, 'पैर' को 'सिर' लिखा जाता है, 'सिर' को 'ऑख' लिखा जाता है, 'ऑख' को 'उँगली' लिखा जाता है, 'उँगली' को 'पैर का अँगठा' लिखा जाता है। तो आदमी देखने के लिए किस अंग का इस्तेमाल करेगा?

Ans

🔀 1. पैर का अँगुठा

X 2. पैर

√ 3. उँगळी

★ 4. ऑख

Q.10 P, Q से पतला है किंतु R से मोटा है। S, P से मोटा है किंतु Q से पतला है। Q, T के जितना मोटा नहीं है। जात करें कि उन सभी में कौन सबसे ज्यादा मोटा है?

Ans

X 1. P

✓ 2. T

X 3. S

X 4. R

Status: Answered

Chosen Option: 4

Question ID: 9497309997

Status: Answered

Chosen Option: 3

Question ID: 9497309995

Status: Answered

Chosen Option: 2

Section: Quantitative Aptitude

Q.1 नीचे दी गयी द्विघात समीकरणों में से किसके मूल दो लगातार पूर्णांक हैं।

$$\times$$
 1. 13m + m<sup>2</sup> - 250 = 4m - 30

$$\times$$
 2  $t^2 + 20t + 250 = 50 - 10t$ 

$$\times$$
 3.  $10p + 280 = p^2 + 23p - 50$ 

$$\checkmark$$
 4.  $a^2 + 39a - 70 = 10a - 280$ 

Q.2 वह बड़ी से बड़ी संख्या जात कीजिए जिससे क्रमश: 247 तथा 423 को विभाजित करने पर शेष 2 और 3 बचता है।

X 1. 12

X 2. 49

**3.** 35

X 4. 84

Question ID: 94973010011

Status: Answered

Chosen Option: 2

Q.3 एक सीधी 2.4 मीटर ऊँची दीवार पर चढ़ने के लिए दीवार से 1.8 मीटर की दूरी पर स्थित एक बिंदु से एक रैंप का निर्माण किया गया है। रैंप की लंबाई ज्ञात कीजिये।

Ans

★ 1. 4.8 मीटर

√ 2. 3 मीटर

X 3. 4.6 मीटर

★ 4. 3.5 मीटर

Q.4 A 250 मीटर की एक दूरी 10 मिनट में तय करता है। B, 2 किमी की दूरी 1.5 घंटे में तय करता है। उनकी चाल का

Ans

X 1.8:7

Question ID: 94973010002

Status: Answered

Chosen Option: 3

Ouestion ID: 94973010010

Status: Answered

Chosen Option: 2

Question ID: 94973010007 Status: Answered





Chosen Option: 3 X 2. 8 : 9 **√**3.9:8 X 4. 7 : 8 Q.5 एक ट्यापारी ने 500 किलो चावल में से एक भाग 10% लाभ पर और बाकि 15% लाभ पर बेचा। उसे 12% का श्द Ouestion ID: 94973010006 लाभ हुआ। 10% लाभ पर बेची गयी चावल की मात्रा कितनी थी? Status: Not Answered X 1. 225 किया Chosen Option: --√ 2. 300 किया X 3. 275 किया X 4. 250 किया Q.6 L और M एक काम को क्रमश: 10 तथा 15 दिनों में कर सकते हैं। L, M और N उसी काम को मिलकर एक साथ 5 Ouestion ID: 94973010008 दिनों में कर सकते हैं। N अकेला इस काम को कितने दिनों में कर सकता है? Status: Answered Ans 🗙 1 18 दिन Chosen Option: 3 X 2. 20 दिन **√** 3. 30 दिन X 4. 25 दिन Q.7 एक फैक्टरी आउटलेट ने एक व्यापारी को एक वस्तु 20% लाभ पर बेची। व्यापारी ने वह वस्तु एक दुकानदार को बेचकर Ouestion ID: 94973010005 20% का लाभ कमाया। फैक्टरी के विक्रय मूल्य और व्यापारी के विक्रय मूल्य में अंतर ₹ 360 है। वस्तु का क्रय मूल्य जात कीजिए। Status: Not Answered Ans X 1 ₹ 1,800 Chosen Option: --X 2. ₹ 1,700 X 3. ₹ 1,600 √ 4. ₹ 1.500 Q.8 निम्नलिखित में से कौन सी शृंखला ज्यामितीय श्रेणी में नहीं है? Question ID: 94973010009 Status: Answered X 1. 5, 15, 45, ... Chosen Option: 2 **√** 2. 12, 24, 36, ... X 3. 3, 15, 75, ... X 4. 4. 8. 16. ... Q.9 यदि एक संख्या का 50% दूसरी संख्या के एक-तिहाई के बराबर है, तो दूसरी संख्या का पहली संख्या से अनुपात क्या होगा? Question ID: 94973010003 Ans √ 1. 3 : 2 Status: Answered X 2. 3 : 1 Chosen Option: 1 X 3. 1 : 3 X 4. 2 : 3

Q.10 एक आदमी ने ₹ 18,000 की धनराशि साधारण ब्याज की 13% वार्षिक दर पर उधार ली, जिसे एक निश्चित अविध में लौटाया जाना है। यदि कुल साधारण ब्याज ₹ 9,360 है, तो धनराशि कितने समय के लिए ली गयी थी?

. .

Ans

X 1. 4.5 वर्ष

X 2. 3.5 as

Question ID: 94973010004

Status : Answered





X 3. 3.0 ag

√ 4. 4.0 वर्ष

Section: General Awareness

<sup>Q.1</sup> गौतम बुद्ध के प्रवचन किस भाषा में थे?

Ans

**X** 1. तमिल

X 2. संस्कृत

🗙 3. मगधी

**√** 4. पाली

Q.2 निम्नलिखित में से किन दो मुगल बादशाहों ने अपनी स्मृतियां लिखी?

Ans

🗡 1 हुमायूं एवं अकबर

X 2. अकबर एवं औरंगजेब

🗙 ३. शाहजहां एवं अकबर

4 बाबर एवं जहांगीर

Q.3 Solid Carbon dioxide is known as:

Ans

X 1. Diamond

✓ 2. Dry Ice

X 3. Rock

X 4. Mercury

Q.4 With which of the following sports is Dipa Karmakar associated?

Ans

1. Gymnastics

X 2. Tennis

X 3. Athletics

X 4. Chess

Q.5 पेशेवर गोल्फ ट्र खिलाड़ियों को प्रत्येक शॉट के लिए कितना समय मिलता है?

Δns

√ ¹. 45 सेकेंड

X 2. 20 सेकंड

X 3. 1 मिनट

X 4. 7 · H 本 5

Q.6 एक सामान्य वयस्क मानव शरीर में लगभग कितनी मांसपेशियां होती हैं?

Ans

X 1 340

X 2. 206

Question ID: 94973010016

Status: Answered

Chosen Option: 4

Question ID: 94973010015

Status : Answered

Chosen Option : 4

Question ID: 94973010020

Status: Answered

Chosen Option: 2

Question ID: 94973010012

Status : Answered

Chosen Option: 1

Question ID: 94973010017

Status: Answered

Chosen Option : 2

Question ID : 94973010021 Status : Answered





**3.** 640

X 4. 350

Q.7 Which country hosted the 2018 G20 summit conference?

Ans

X 1. France

✓ 2. Argentina

X 3. Japan

X 4. Australia

Question ID: 94973010013

Status : Not Attempted and Marked For Review

Chosen Option: --

Q.8 भारत के राष्ट्रीय ध्वज का डिज़ाइन संविधान सभा दवारा कब अपनाया गया था?

Ans

🗙 ा जुलाई 1950

X 2. अगस्त 1947

X ₃ अगस्त 1950

🗸 4. जुलाई 1947

Question ID: 94973010018

Status : Answered

Chosen Option : 1

Q.9 What causes the water drop to be spherical shaped?

Ans

X 1. Osmotic force

✓ 2. Surface Tension

X 3. Electromagnetic force

X 4. Gravitational force

Question ID: 94973010019

Status : **Answered** 

Chosen Option : 2

Q.10 प्रायद्वीपीय भारत में सबसे लंबी नदी कौन सी है?

Ans

X 1. ताप्ती

X 2. पेरियार

√ 3. गोदावरी

🗙 4. कावेरी

Question ID: 94973010014

Status: Answered

Chosen Option: 3

Section: English Language

Q.1 The following sentence contains an error. Find the part of the sentence which contains the error.

The forest fires (1) / in Uttarakhand is (2) / raging for (3) / over three months (4).

Ans

X 1. (1)

**2**. (4)

X 3. (2)

X 4. (3)

Question ID: 94973010025

Status : Answered

Chosen Option: 2

Q.2 Change the verb into passive voice.

'They pour water into glasses.'

Ans 🗸 1 ... is poured

Question ID: 94973010030

Status : Answered





	× 2 is being poured	
	× 3 has been poured	
	× 4 was poured	
_	- The posterior	
	From the given pairs of words, select the one which does not have the same meaning.	Question ID : 94973010027
Ans	★ 1. Malice, Ill-will	Status : Not Answered
	✓ 2. Curtail, Protract	Chosen Option :
	X 3. Precarious, Critical	
	× 4. Opulent, Affluent	
_	· · (or Ferroscott)	
	From the given pairs of words, select the one which has the same meaning.	Question ID : <b>94973010026</b>
Ans	✓ 1. Rise, Ascend	Status : Not Answered
	× 2. Quiet, Restive	Chosen Option :
	X 3. Soft , Rugged	
	× 4. Concede, Repudiate	
_	- Concede, Republic	
Q.5	Find the mis-spelt word.	Question ID : 94973010028
Ans	X 1. Noticeable	Status : Answered
	✓ 2. Twelth	Chosen Option : 2
	X 3. Rhythm	
	X 4. Relieve	
	Relieve	
Q.6	Select the meaning of the given phrase / idiom.	Question ID : 94973010029
		Status : Answered
	'Look down upon'	Chosen Option : 1
Ans	De numble	
	× 2. Keep head downwards	
	X 3. Keep low profile	
	✓ 4. Hate	
Q.7	It is too good to take	
	It is too good to true.	Question ID : 94973010023 Status : Answered
Ans	X 1. Bear	Chosen Option : 2
	√ 2. Be	
	X 3. Being	
	× 4. Fall	
Q.8	8 Rearrange the given sentences in the most appropriate sequence to form a meaningful paragraph.	
	K - Also, the problem of insufficient rains needs to be addressed.	Question ID : 94973010031 Status : Not Answered
	This requires a committed approach by the authorities.     Hidia is seemingly prone to the ravages of drought.     Therefore, the solution lies in the timely arrival of sufficient rains.	Chosen Option :
Ans	× 1. LNKM	





X 2. NLKM

X 3. NMKL

√ 4. MNKL

Q.9 \_\_\_\_\_ planning is necessary to manage household expenses.

Ans

X 1. Town

X 2. Fiscal

X 3. Industrial

√ 4. Financial

 $\textbf{Q.10} \ \ \text{The following sentence contains an error. Find the part of the sentence which contains the error.}$ 

When I (1) / complete (2) / my degree I (3) / take up (4) / this job.

Ans

X 1. (3)

**2**. (4)

**X** 3. (2)

X 4. (1)

Question ID : 94973010022 Status : Answered Chosen Option : 4

Question ID : 94973010024 Status : Answered

