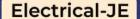
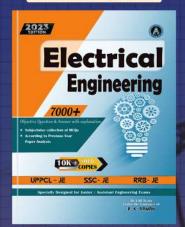


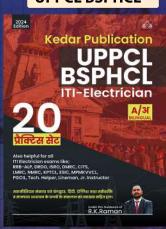
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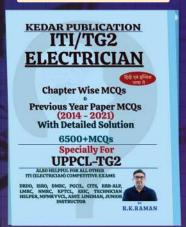




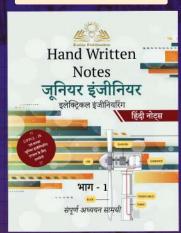
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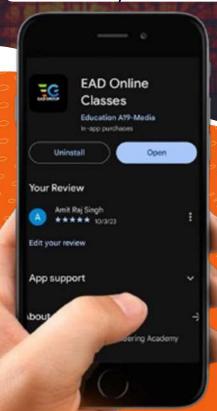
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Test Center Name:	iON Digital Zone iDZ 1 Hathipur
Test Date:	12/05/2018
Test Time:	3:00 PM - 5:00 PM
Subject:	E02 Assistant Manager (Electrical)
Marks Obtained:	

Q.1 A full wave diode rectifier is applied with a voltage from a 60 V-0-60 V transformer. Load and diode forward resistances are 100 Ω and 10 Ω respectively. The average output voltage of the rectifier circuit is:

Ans X 1. 34.7 V

X 2. 24.6 V

X 3. 17.4 V ✓ 4. 49.1 V

Q.2 An alternating current varying sinusoidally has a peak value of 50 A and a frequency of 10 Hz. Mathematical expression for the current is:

Ans \times 1. $i = 50 * \sqrt{2} \sin(2 * \pi * 10)t$

 \times 2. $i = \frac{50}{\sqrt{2}} \sin(2 * \pi * 10)t$

 \times 3. $i = 50 * \sqrt{2} \sin(\pi * 10)t$

 \checkmark 4. $i = 50\sin(2*\pi*10)t$

Q.3 An RLC series circuit consisting of R = 4 Ω, inductive reactance = 6 Ω and capacitive reactance = 3 Ω is conne across a 220 V, 50 Hz single phase AC supply. Power factor of the circuit is:

Ans X 1. 0.6 leading

√ 2. 0.8 lagging

X 3. 0.6 lagging

X 4. 0.8 leading

Q.4 Potentiometer is basically a device for:

Ans X1 measuring a current

√ 2. comparing two voltages

X 3. comparing two currents

X 4 measuring a voltage

Q.5 Propagation delay through a master slave flip flop is given as 1000 ns. The maximum clock frequency that can be used with this flip flop is:

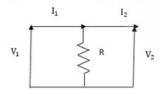
Ans X 1. 0.1 MHz

X 2. 100 MHz

X 3. 10 MHz

√ 4. 1 MHz

Q.6 Z parameters of the network shown below are:



Ans $X_{11} = 2R, Z_{22} = 2R, Z_{12} = R, Z_{21} = R$

Question ID: 7246222970

Chosen Option : --

Question ID: 7246222963 Chosen Option: 1

Question ID : 7246222972

Chosen Option : 2

Question ID: 7246223044

Question ID: 7246223018

Chosen Option: 2

Chosen Option : --

Question ID : 7246222969

Chosen Option : 2

 \times 2. $Z_{11} = R, Z_{22} = R, Z_{12} = 2R, Z_{21} = 2R$ $X_{11} = 2R_1Z_{22} = 2R_1Z_{12} = 2R_1Z_{21} = 2R$ \checkmark 4. $Z_{11} = R, Z_{22} = R, Z_{12} = R, Z_{21} = R$ Q.7 At any power factor of the load, the efficiency of transformer will be maximum when: Question ID: 7246222976 Ans 🗸 1. copper loss is equal to core loss Chosen Option: 1 X 2. copper loss is equal to eddy current loss X 3. copper loss is less than core loss 4. copper loss is greater than core loss Q.8 In a synchronous machine, all of the following losses are independent of the load EXCEPT: Question ID: 7246223047 Ans X 1. iron loss Chosen Option: 4 X 2. bearing friction X 3. windage loss 4. copper loss Q.9 A synchronous machine with low value of short circuit ratio has: Question ID: 7246223035 Ans X 1 higher stability limit Chosen Option: 1 X 2 good voltage regulation X 3. good speed regulation √ 4 lower stability limit Q.10 A buck DC-to-DC converter is applied with a voltage of 100 V and supplies a resistive load of 50 Ω . During ON state, has a voltage drop of 2 V. The chopping frequency is 1 kHz and duty ratio is 50%. Average and rms output voltages respectively are: Question ID : 7246222992 Chosen Option : --Ans X 1. 98 V and 69.4 V X 2. 24.5 V and 89.4 V X 3. 49 V and 89.2 V √ 4. 49 V and 69.4 V Q.11 In a bipolar junction transistor, the base region is made very thin so that: Question ID : 7246223005 Ans 🗸 1 recombination in base region is minimum Chosen Option: 1 X 2. base can be easily fabricated X 3. electric field gradient in the base is high X 4. base can be easily biased Q.12 Direction of rotation of a three-phase cage-type induction motor can be reversed by: Question ID: 7246222979 ✓ 1 reversing the phase sequence Chosen Option: 1 X 2. reducing the frequency X 3. reducing the load X 4 reducing the voltage Q.13 A transformer can have negative voltage regulation at: Question ID: 7246222988 Ans X 1. Zero power factor Chosen Option : 2 ✓ 2. Leading power factor X 3. Lagging power factor X 4. Unity power factor Q.14 A 5 bit ladder has a digital input of 11010. Assuming that 0 corresponds to 0 V and 1 corresponds to +10 V, its output Question ID: 7246223019 Ans X 1. +6.5 V Chosen Option : --X 2. -6.5 V X 3. −8.125 V 4. +8.125 V

Q.15 Load factor of a power station is generally: Question ID: 7246223049 Ans X 1. unity Chosen Option : 2 2. less than unity X 3. greater than unity X 4. zero Q.16 Turn-off of GTO is achieved by negative gate current I_{GN} such that: Question ID : 7246223007 Ans \times 1. $I_{GN} = I_A/\beta_{off}$ Chosen Option : -- \times 2. $I_{GN} < I_A/\beta_{off}$ \checkmark 3. $I_{GN} > I_A/\beta_{off}$ X 4. any I_{GN} Q.17 Which of the following loss in a transformer is zero at all operating conditions? Question ID: 7246223006 Ans X 1. Eddy current loss Chosen Option: 3 X 2. Iron loss √ 3. Friction loss X 4. Hysteresis loss Q.18 A 50 kW load at power factor of 0.8 lagging is supplied from a single phase AC supply. Reactive power drawn from the Question ID: 7246222973 Ans 🗸 1. 37.5 kVAr lagging Chosen Option: 1 X 2. 625 kVAr leading X 3. 37.5 kVAr leading X 4. 625 kVAr lagging Q.19 Which of the following is a digital transducer? Question ID: 7246222995 Ans X 1. Piezoelectric transducer Chosen Option: 2 ✓ 2. Encoder X 3. Photovoltaic X 4. Thermocouple Q.20 Current is in the following circuit is: Question ID: 7246222961 Chosen Option: 3 Ans X 1. 2 A X 2. 0.2 A **√** 3. 1 A X 4. 0.8 A Q.21 Which of the following can be measured with the help of piezoelectric crystal? Question ID: 7246223015 Ans X 1. Flow Chosen Option: 3 X 2. Velocity √ 3. Acceleration X 4. Temperature Question ID: 7246222991 Chosen Option : --X 1. 6 μs

```
× 2. 3 μs
        X 3. 2 μs

√ 4. 4 us

Q.23 A unity feedback system is characterised by an open loop transfer function of G(s) = \frac{K}{s(s+10)}. Value of K required in order to have a damping ratio of 0.5 is:
                                                                                              Question ID : 7246222985
Ans X 1. 50
                                                                                           Chosen Option: 4
       X 2. 10
        X 3. 20
        4. 100
Q.24 The resolution in volts of a 9 bit D/A converter which uses ladder network and has full scale output voltage of +5 V is
                                                                                              Question ID: 7246223017
Ans X 1. 20 mV
                                                                                           Chosen Option: 3
       X 2. 100 mV

√ 3. 10 mV

       X 4. 1 mV
Q.25 The power factor of an alternator is determined by its:
                                                                                              Question ID: 7246223034
Ans X 1. prime mover
                                                                                           Chosen Option: 4
       X 2. speed
       ✓ 3. load
       X 4. excitation
Q.26 Dissipation factor of a capacitor can be measured with:
                                                                                              Question ID: 7246223031
Ans X 1. Galvanometer
                                                                                           Chosen Option : 2
       X 2. Campbell bridge
       X 3. Potentiometer
        4. Schering bridge
Q.27 Find the power factor of an installation supplying the following loads: 300 kW at unity power factor, 1000 kW at 0.8 lagging power factor and 1500 kW at 0.6 leading power fa
                                                                                              Question ID: 7246222999
                                                                                           Chosen Option : --
       X 1. 0.71 leading
       X 2. 0.71 lagging

√ 3. 0.92 leading

       X 4. 0.92 lagging
Q.28 The starting torque of a wound rotor induction motor can be increased by adding:
                                                                                              Question ID: 7246223030
Ans X1 external capacitance to the rotor circuit
                                                                                           Chosen Option : 4
       × 2. external inductance to the rotor circuit
      a combination of inductance and capacitance to the rotor circuit
        4. external resistance to the rotor circuit
Q.29 Integral of unit impulse is a:
                                                                                              Question ID: 7246223028
                                                                                           Chosen Option : 2
     X 1. unit ramp

√ 2. unit step

       X 3. constant
       X 4. unit impulse
Q.30 For a bipolar junction transistor, common base current gain is 0.98 and the base current is 120 μA. Its common emitter
                                                                                              Question ID: 7246223027
Ans X 1. 98
                                                                                          Chosen Option : 4
       X 2. 56
        3. 49
        X 4. 118
```

The error when the meter is reading half of the full scale reading is: Question ID : 7246223033 Chosen Option : 1 Ans 🗸 1. greater than the error when reading full scale × 2 less than the error when reading full scale X 3. equal to the error when reading full scale X 4. equal to half of the error when reading full scale Q.32 Transfer function of the circuit given below is: Question ID: 7246222971 Chosen Option : 2 Ans sRC 1+sRC sRC 1+RCs+RCQ.33 Transient response of a system is mainly due to: Question ID: 7246223020 Chosen Option: 2 X 1. friction 2. stored energy X 3. inertia forces 4. internal forces Q.34 Potential difference between two points 'a' and 'b' which are at distances 0.5 m and 0.2 m respectively from a ne charge of 10 * 10⁻¹⁰ coulombs is: Question ID : 7246222982 Ans 💢 1. Chosen Option : --14 V, point 'a' at a higher potential than point 'b' 27 V, point 'a' at a higher potential than point 'b' **X** 3. 14 V, point 'b' at a higher potential than point 'a' 27 V, point 'b' at a higher potential than point 'a' Q.35 Gain margin is the factor by which gain of the system can be increased to make it: Question ID : 7246223042 Ans X 1. Stable Chosen Option : 1 √ 2. Unstable X 3. Oscillatory X 4. Damped Q.36 A three phase induction motor rated for 500 kW, 400 V, 50 Hz and 6 poles runs at a speed of 960 rpm when fully loaded. Slip of the machine will be: Question ID: 7246223036 Ans 🗸 1. 0.04 Chosen Option: 1 X 2. 0.01 X 3. 0.02 X 4. 0.03 Q.37 A circuit is disconnected by isolators when: Question ID: 7246223040 Chosen Option : 2 X 1. circuit breaker is not open ✓ 2. there is no current in the line

X 3. line is on full load X 4. line is energised Q.38 A three phase induction motor is supplied with a 400 V, 50 Hz AC supply and has a full load speed of 940 revolution per minute. The number of poles with which the magnetic field produced by stator current rotates are: Question ID: 7246222984 X 1. 8 Chosen Option : 4 X 2. 2 X 3. 4 4. 6 Arc in a circuit breaker is interrupted at: Ouestion ID : 7246223041 Chosen Option: 3 X 1. Maximum current X 2. Maximum voltage 3. Zero current X 4. Minimum voltage Q.40 A unit step function on integration results in a: Question ID: 7246223029 Chosen Option : 4 Ans X 1. unit doublet X 2. unit step function X 3. unit parabolic function ✓ 4. unit ramp function Q.41 In an inverting amplifier circuit built using OP-AMP, the input resistance is 10 kΩ and the feedback resistance is 240 kΩ. The closed loop gain of the amplifier is: Question ID: 7246223021 Ans X 1. 24 Chosen Option : 4 X 2. 12 **X** 3. −12 Q.42 Question ID: 7246222967 Chosen Option: 3 In the circuit shown above, voltage across CD when the switch S is closed is: X 1. 150 V X 2. 70 V √ 3. 50 V X 4. 100 V Q.43 In a synchronous motor running with fixed excitation, if the load is increased three times, then its torque angle become Question ID: 7246223011 Ans X 1 one-third Chosen Option : --× 2. six times X 3. nine times √ 4. thrice Q.44 Angle between the rotor poles and stator poles in a synchronous motor is called the: Question ID: 7246223039 Ans X 1. Synchronising angle Chosen Option: 1 2. Torque angle X 3. Retarding angle X 4. Power Factor angle Q.45 Exciting current of a transformer has: Question ID: 7246222978 Chosen Option: 1 √ 1 low magnitude and low power factor 2 low magnitude and high power factor X 3. high magnitude and low power factor

X 4. high magnitude and high power factor Q.46 A synchronous condenser is virtually a/an: Question ID : 7246223046 Chosen Option : 1 Ans 🗸 1. over-excited synchronous motor X 2. DC motor X 3. induction motor X 4. under-excited synchronous motor Q.47 Two alternators are running in parallel. If the field of one of the alternators is changed slightly, it will cause a change in: Ans X 1. Load Chosen Option : 4 X 2. Frequency X 3. Speed 4. Power Factor Q.48 The core of the transformer is laminated to: Question ID: 7246222975 Ans X 1. reduce copper loss Chosen Option: 4 × 2 reduce hysteresis loss X 3. reduce magnetic leakage 4. reduce eddy current loss Q.49 A uniformly loaded DC distributor is fed at both ends with equal voltages. As compared to a similar distributor fed at one end only, the drop at the middle point is: Question ID: 7246223003 Ans X 1. twice Chosen Option : 2 X 2. half √ 3. one-fourth X 4. one-third Q.50 In a power MOSFET, pinch-off occurs when $(V_{DS}$ is the drain to source voltage, V_{GS} is the gate to source voltage V_T is Question ID: 7246223008 Ans χ 1. $V_{DS} = V_{GS} - V_{T}$ Chosen Option : -- \times 2. $V_{DS} \leq V_{GS} - V_{T}$ \times 3. $V_{GS} \leq V_{T}$ \checkmark 4. $V_{DS} \ge V_{GS} - V_{T}$ Q.51 Addition of the hexadecimal numbers (DEF. 12)₁₆ and (12EF. C)₁₆ gives: Question ID: 7246223022 Ans X 1. (20DE.E2)₁₆ Chosen Option : 4 ✓ 2. (20DE.D2)₁₆ X 3. (20DE.C2)₁₆ X 4. (20DE.B2)₁₆ Q.52 The injected emf in the rotor of an induction motor must have: Question ID: 7246223013 √ 1 same frequency as the slip frequency Chosen Option : 1 X 2. low value for satisfactory speed control X 3. high value for satisfactory speed control X 4. zero frequency Q.53 A moving coil instrument has a resistance of 5 Ω and gives a full-scale reading of 100 mA. It is desired to use this meter as a voltmeter for a range of 0 to 500 V. The resistance required is: Question ID: 7246222964 Ans \times 1. 4995 Ω in parallel Chosen Option: 1 \times 2. 5 Ω in parallel \times 3. 5 Ω in series 4. 4995 Ω in series **Q.54** Simplified form of the Boolean expression $Y = \overline{ABC} + \overline{A(B)C} + (A)\overline{BC}$ is: Question ID: 7246223026 $X = \overline{C}(\overline{A} + B)$ Chosen Option: 3

 \times 2. $Y = C(\overline{A} + \overline{B})$ \checkmark 3. $Y = \overline{C}(\overline{A} + \overline{B})$ $X = \overline{C}(A + \overline{B})$ Q.55 In power flow analysis for a voltage controlled bus, which of the following is the unknown quantity? Question ID: 7246223038 X 1. Real power Chosen Option: 4 ✓ 2. Phase angle of voltage X 3. Absolute value of voltage X 4. Reactive power Q.56 A 22 kV, 400 MVA generator has the reactance of 0.3 pu. The value of reactance on the new base of 25 kV and 200 MVA will be: Question ID: 7246223037 Ans 🗸 1. 0.116 pu Chosen Option: 1 X 2. 0.32 pu X 3. 0.58 pu X 4. 0.232 pu Q.57 The following Boolean expression Question ID: 7246223023 Chosen Option : -- $Y = (A + \overline{B} + \overline{C})(A + \overline{B} + C)$ can be realised using: Ans X 1. one AND gate ✓ 2. one NOT gate and one OR gate X 3. one NOT gate and one AND gate X 4. one OR gate Q.58 Power generation cost reduces as: Question ID : 7246223002 Chosen Option: 1 both diversity factor as well as load factor increase diversity factor decreases and load factor increases diversity factor increases and load factor decreases X 4. both diversity factor as well as load factor decrease Q.59 In a transformer having a turns ratio of 1:5 and a resistance of 1000 Ω connected across the secondary terminals, the resistance offered to current flowing in the primary will be: Question ID: 7246223012 V 1. 40 Ω Chosen Option : 1 Χ 2. 60 Ω × 3. 20 Ω X 4. 200 Ω Q.60 A 3 phase inverter operates with 180 degree conduction mode. It is fed from a 500 V DC source and is supplying a purely resistive Y connected load. RMS values of the fundamental component of line and phase voltage, respectively, the inverter output is: Question ID: 7246223024 Chosen Option : --Ans X 1. 408 V, 225.16 V X 2. 390 V, 235.56 V X 3. 408 V, 235.56 V √ 4. 390 V, 225.16 V Q.61 SCR can be turned off by reducing the anode current below: Question ID : 7246223009 X 1. latching current Chosen Option: 3 X 2. zero

3. holding current X 4 any positive current **Q.62** In the circuit below, when $V_0 = 0$, $I = 4 \, A$. Find the current when $V_0 = 20 \, V$. Question ID : 7246222962 Chosen Option: 4 X 3. 4 A X 4. 5 A Q.63 Copper loss of a transformer at full load is 2800 W. At half load, the copper loss will be: Question ID: 7246222986 ✓ 1. 700 W Chosen Option: 1 X 2. 5600 W X 3. 1400 W X 4. 350 W Q.64 In an Anderson bridge, unknown inductance is measured in terms of: Question ID: 7246223014 Ans X 1. known inductance Chosen Option : 4 2 known capacitance and resistance X 3. known resistance * 4. known inductance and resistance Q.65 A 10 V reference source is designed from a 30 V supply using a Zener diode and a resistance. The test current of the Zener diode is 20 mA. If the supply voltage drops to 20 V, the Zener current will be: Question ID: 7246222968 X 1. 5 mA Chosen Option : --X 2. 15 mA X 3. 20 mA √ 4. 10 mA Q.66 What will be the value of capacitance that must be connected in parallel with a 50 pF capacitor to make an equivale canacitance of 150 pF? Question ID : 7246223032 Ans X 1. 25 pF Chosen Option : 4 × 2. 50 pF X 3. 10 pF √ 4. 100 pF Q.67 Slope of the asymptote in Bode plot for a second-order system is: Question ID: 7246223010 Ans X 1. 18 dB per octane Chosen Option: 4 X 2. 6 dB per octane X 3. 3 dB per octane √ 4. 12 dB per octane Q.68 Which of the following capacitors have the least breakdown voltage? Question ID: 7246222998 Ans X 1. Ceramic Chosen Option : 4 X 2. Paper X 3. Mica ✓ 4. Electrolytic Q.69 Magnetising current of an induction motor is much larger than a two-winding transformer of the same rating. This is due to: Question ID : 7246222989 X 1. small leakage Chosen Option: 3 X 2. rotating parts 🗸 3. air gap X 4. laminations

Q.70 Two parallel conducting plates 2 cm apart situated in air are connected to a source of constant voltage of 50 kV. The Question ID: 7246222987 X 1. 100 kV/cm Chosen Option: 3 X 2. 200 kV/cm √ 3. 25 kV/cm X 4. 50 kV/cm Q.71 Open circuit test is conducted on a transformer to get: Question ID : 7246222996 Chosen Option : 1 Ans V1. core loss X 2. copper loss X 3. insulation resistance X 4. total loss Q.72 Which of the following devices does NOT require a continuous base drive? Question ID: 7246223000 Ans X 1. MOSFET Chosen Option : --X 2. IGBT X 3. BJT 4. SCR Q.73 A domestic load consists of 10 lamps of 100 W each, three fans of 60 W each and two heaters of 1 kW each, all the loads operating for 1 hour. Energy consumed is measured using an energy-meter having a constant of 1500 revolution per kWh. The number of revolutions recorded by the meter is 4500. The percentage error in the energy-meter reading. Question ID : 7246222965 Chosen Option : --Ans **√** 1. −5.66% X 2. 5.66% X 3. 15.66% X 4. -15.66% Q.74 Two inductive coils which are close to each other have a mutual inductance of 0.3 H. Current through one coil is increased from 1 A to 4 A in 0.03 s. The voltage induced in the other coil is: Question ID: 7246222974 Ans X 1. 15 V Chosen Option: 4 X 2. 3 V X 3. 1.5 V √ 4. 30 V Q.75 A three phase 20 MVA, 10 kV alternator has internal reactance of 5% and negligible resistance. What is the external reactance per phase required to be connected in series with the alternator so that the steady current on short circuit do NOT exceed 8 times the fall load current? Question ID : 7246223004 Chosen Option : --Ans Χ 1. 2.38 Ω X 2. 1.38 Ω √ 3. 0.38 Ω × 4. 3.38 Ω **Q.76** Impulse response of an LTI system is $h(t) = e^{-t}u(t)$. Suppose if the input x(t) = u(t), then the output would be Question ID: 7246222966 $X \cdot Y(t) = (1 - 2e^{-t}) u(t)$ Chosen Option: 3 \times 2. $Y(t) = (1 - e^{-2t}) u(t)$ \checkmark 3. $Y(t) = (1 - e^{-t}) u(t)$ X 4. $Y(t) = (1 - 2e^{-2t}) u(t)$ Q.77 A single phase semi-converter is operated from 120 V, 50 Hz AC supply at a firing angle of 30 degrees. Load is such that the load current is continuous and ripple free. Displacement factor of the converter is: Question ID : 7246222997 Ans X 1. 0.77 Chosen Option : --2. 0.97 X 3. 0.67 X 4. 0.57 Q.78 Laplace transform of (t sin ω t) is: Question ID: 7246222980 Chosen Option: 1

Q.79 To a unity feedback system whose open loop transfer function is $G(s) = \frac{K_1(2s+1)}{s(4s+1)(s+1)^2}$, Input R(t) = 1 + 5t is Ouestion ID : 7246222983 applied. It is required that steady state error should be less than or equal to 0.1. Minimum value of K_1 to satisfy this condition is: Chosen Option: 3 X 1. $K_1 \ge 5$ \times 2. $K_1 \ge 20$ ✓ 3. $K_1 ≥ 50$ \times 4. $K_1 \ge 10$ Q.80 If the damping factor of a control system is unity, its response will be: Question ID: 7246223001 Ans X 1. oscillatory Chosen Option: 4 X 2. un-damped X 3. under-damped 4. critically damped Q.81 Input to a controller is the following signal: Question ID: 7246223016 Chosen Option: 1 Ans 🗸 1. Error signal X 2. Servo signal X 3. Desired Variable value X 4. Sensed signal Q.82 In a synchronous generator, the effect of armature reaction is completely magnetising if the power factor of the load is Question ID: 7246223043 Ans X 1. Unity Chosen Option: 3 X 2. Zero lagging Zero leading X 4. 0.5 Q.83 A conductor due to a sag between the two supports takes the form of: Question ID: 7246223045 Ans X 1. Ellipse Chosen Option: 3 X 2. Semicircle 3. Catenary X 4. Triangle Q.84 Two charges 6 * 10⁻⁸ coulombs and 3 * 10⁻⁵ coulombs are located 20 cm apart in a vacuum. If these charges are separated by the same distance in kerosene having a relative permittivity of 2, then the ratio of force of interaction between them in kerosene to the force in vacuum is: Question ID: 7246222981 Chosen Option : --Ans X 1. 0.81 X 2. 1.62 X 3. 0.41 4. 0.5 **Q.85** For a unity feedback system whose open loop transfer function is given by $G(s) = \frac{50}{(1+0.1s)(1+2s)}$, its position error Question ID: 7246222977 Chosen Option: 1 **1.** 50 X 2. 25 **X** 3. 0 X 4. 1 Q.86 Any signal that tends to affect the controlled variable other than the reference command signal is termed as: Question ID: 7246223025 ✓ 1. Disturbance signal Chosen Option : 2 X 2. Control signal X 3. Command signal

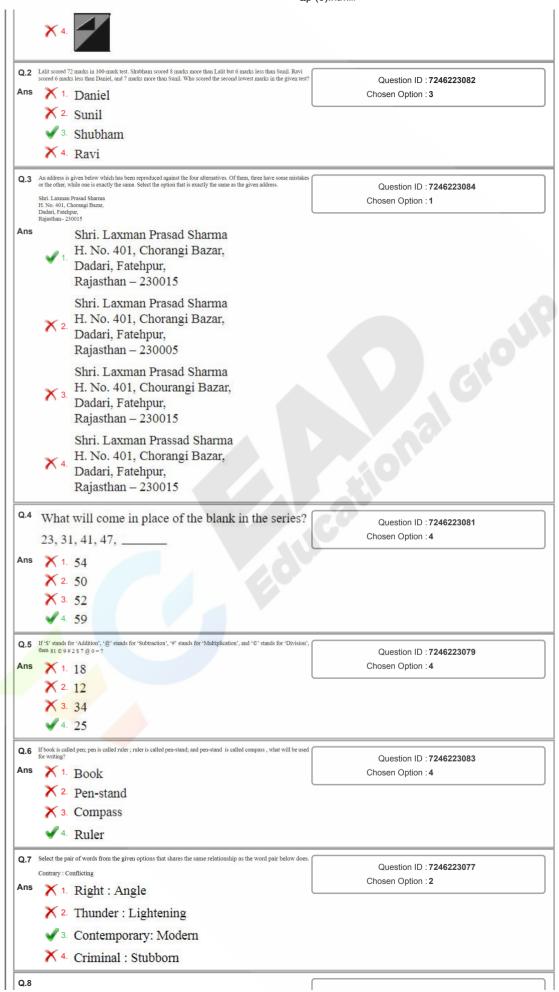
X 4. Reference Input signal	. , ,
Q.87 A simusoidal voltage of v(t) = 100cos(377t) is applied to a nonlinear load, resulting in a current which is exp. Fourier series form as i(t) = 8 + 15cos (377t + 30°) + 6cos [2(377)t + 45°) + 2cos[3(377)t + 60°)]. Efficiency is:	Question ID : 7246222993 Chosen Option :
Ans X 1. 10 A	Onoscii Option
✓ 2. 14 A	
X 3. 16 A	
X 4. 12 A	
2.88 If an instrument has cramped scale for larger values, then it follows:	lows: Question ID : 7246223048
Ans 🗸 1. Logarithmic law	Chosen Option : 3
× 2. Linear law	
X ₃ Square law	
X 4. Uniform law	
2.89 A half wave rectifier built using a diode is connected to a sinusoidal voltage of 120 V (rms) at a frequency of	AF 5.0 Lt 9
The load resistance is 5 Ω . The power absorbed by the resistor is:	Question ID : 7246222994
1220 W	Chosen Option :
X 2. 610 W X 3. 720 W	
✓ 4. 1440 W	
4. 1440 W	
2.90 Four positive charges 10 ⁻⁹ coulombs each are located on the x-y plane at points (0,0), (0,1), (1,1) and (1,0 electric field and potential at (0.5, 0.5) m is respectively:	O) m. The Question ID : 7246222990
Ans 🗸 1. 0 and 51 V	Chosen Option :
× 2. 0 and 12.5 V	
× 3. 0 and 18 V	
X 4. 0 and 25.5 V	
Section : General English	
Q.1 Select the option that gives the correct indirect form of the given sent	tence. Question ID : 7246223060
She said, "I will do my work myself." She said that	Chosen Option : 4
Ans X 1. she will do her work herself.	
X 2. I would do my work myself.	
★ 3. she would do my work herself.	
✓ 4. she would do her work herself.	
Q.2 Select the correct passive form of the given sentence.	0.0000000000000000000000000000000000000
	Chosen Option : 1
The river water flooded the fields and damaged the cr	ops.
Ans 1. The crops were flooded and the fields were damaged by the river was the crops were flooded and the fields were damaged by the river was the crops were flooded and the fields were damaged by the river was the crops were flooded and the fields were damaged by the river was the crops were flooded and the fields were damaged by the river was the crops were flooded and the fields were damaged by the river was the crops were flooded and the fields were damaged by the river was the crops were flooded and the fields were damaged by the river was the crops were flooded and the fields were damaged by the river was the crops were flooded and the fields were damaged by the river was the crops were flooded and the fields were damaged by the river was the crops were flooded and the fields were damaged by the river was the crops which the crops were flooded and the fields were damaged by the river was the crops which the crops were flooded and the fields were damaged by the crops were flooded and the crops were	water
2.	vater.
The fields were flooded and the crops were damaged by the river v	water.
X 3.	
The river water has flooded the fields and the crops were dama	aged.
4. The fields have been flooded and the crops are damaged by the river via	water.
	assetson: 1
Q.3 In the following sentences four words or phrases have been underlined. One of them is incorrect. Choose the word or phrase from the given options.	Question ID : 7246223057
So.quickly he ran that he reached the bus stop just in time for his bus to office. Ans 1. that	Chosen Option : 1
× 2. So quickly	
Service (1) — Se	
X 3. in time	
✓ 4. he ran	
Q.4	Question ID : 7246223055
	Chosen Option :

Select the antonym of the given word.	
TMDEDVEC	
EXPEDITE Ans X 1 advance	
advance	
× 2. assist	
× 3. press	
✓ 4. delay	
Q.5 Select the most appropriate option to fill in the blank.	Question ID : 7246223052
The teacher cannot leave the school every child has left for home.	Chosen Option : 3
Ans X 1. for	
X 2. by	
✓ 3. until	
× 4. after	
WSTS.1879	
Q.6 Select the most appropriate option which means the same as the given word / group of words. to make a person do something by giving reasons	Question ID : 7246223056
Ans X 1. order	Chosen Option : 2
× 2. appeal	
× 3. request	
- manual - m	
✓ 4. persuade	D
Q.7 Select the wrongly spelt word.	Question ID : 7246223058
Ans X 1. gripes	Chosen Option : 3
× 2. grievance	
✓ 3. grevieous	
X 4. greasy	
Q.8 Select the most appropriate option to fill in the blank.	Question ID : 7246223051
gentleman who lives across the road is architect.	Chosen Option : 1
Ans X 1. A; an	
✓ 2. The ; an	
X 3. The ; the	
× 4. A; a	
^ 4. A, a	
Q.9 Select the most appropriate option to fill in the blank.	Question ID : 7246223054
He won the match quite easily he was out of practice.	Chosen Option : 2
Ans 1 even though	
× 2. in case	
× 3. even if	
× 4. so that	
19245CN 0027-2	
Q.10 Select the most appropriate option to fill in the blank.	Question ID : 7246223053
After the driver the car out of the bush, we climbed back into the car.	Chosen Option : 4
Ans X 1. backs	
× 2 is backing	
★ 3. has backed	
√ 4 had backed	
Section : Quantitative Aptitude	
Q.1 The value of $\frac{0.5555 \times 20.25 \times 3.555}{2.25 \times 0.17775 \times 2.222} \div \frac{\frac{1}{5} + \frac{1}{5} \text{ of } \frac{1}{5}}{\frac{1}{5} + \frac{1}{5} \times \frac{1}{5}}$ lies between:	O
The value of $\frac{5}{1}$ $\frac{5}{1}$ $\frac{5}{1}$ $\frac{5}{1}$ lies between:	Question ID : 7246223061 Chosen Option :

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		html#
Ans	✓ 1. 1.41 and 1.81	
	× 2. 0.41 and 0.81	
	▼ 3. 0.11 and 0.41	
	× 4. 0.81 and 1.41	
	0.81 and 1.41	
Q.2 Twel	live persons can construct a 320 m long wall in 32 days working 8 hours a day. In how many days can 40 persons truct a 250 m long wall working 10 hours a day?	Question ID : 7246223074
Ans 🥻	X 1. 9	Chosen Option : 4
7	× 2. 10	
	× 3. 8	
_	4. 6	
	- (3)	
passe	class of 140 students, the ratio of the number of boys to that of girls is 3 : 4. The ratio of number of students who ed in a test to those who failed is 3 : 2. Among the boys, the ratio of the number of those passed to those who failed : 2. What is the ratio of the number of girls who passed to those who failed?	Question ID : 7246223071
	1. 3:1	Chosen Option : 4
	X 2. 3:2	
	X 3. 3:4	
-	4. 4:1	
	* 4.1	
	ertain sum amounts to $\overline{\P}$ 34400 in 6 years and to $\overline{\P}$ 24800 in 2 years at simple interest. The same sum will unt to $\overline{\P}$ x in $2\frac{2}{3}$ years at the same rate, when the interest is compounded yearly. What is the value of x (nearest	Question ID : 7246223068
to a s	whole number)?	Chosen Option : 4
•	1. ₹ 27095	
	× 2. ₹ 25088	
7	× 3. ₹ 26690	
7	× 4. ₹ 26593	
0.5 A ho	not travels 18 km upstream and 14 km downstream in 4 hours. It travels 3 km upstream and $10\frac{1}{3}$ km downstream in	
	nours. What is the speed (in km/h) of the stream?	Question ID : 7246223073
	190	Chosen Option :
Ans 🥇	X 1. 5	
		ondon option.
	 1. 5 ✓ 2. 4¹/₂ 	
7	\times 2. $4\frac{1}{2}$	
7	\times 2. $4\frac{1}{2}$ \times 3. $5\frac{1}{2}$	
7	\times 2. $4\frac{1}{2}$	
7	\times 2. $4\frac{1}{2}$ \times 3. $5\frac{1}{2}$ 4. 4	Question ID : 7246223072
Q.6 A.E by 5 of ₹	2. $4\frac{1}{2}$ 3. $5\frac{1}{2}$ 4. 4 3 and C enter into a partnership with their capital in the ratio $\frac{2}{3}$: $\frac{3}{4}$: $\frac{5}{16}$. After 4 months A increased his capital 80%, B increased his capital by 25% and C decreased his capital by 20%. At the end of a year, there was a profit 7800. What is the share of B in the profit?	
Q.6 A.E by Soft	 2. 4 1/2 3. 5 1/2 4. 4 3 and C enter into a partnership with their capital in the ratio 2/3 1 2/4 1/5. After 4 months A increased his capital 80%, B increased his capital by 25% and C decreased his capital by 20%. At the end of a year, there was a profit 7800. What is the share of B in the profit? 1. ₹ 2560 	Question ID : 7246223072
Q.6 A.E.bys	 2. 4 1/2 3. 5 1/2 4. 4 3a and C enter into a partnership with their capital in the ratio 2/5 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2	Question ID : 7246223072
Q.6 A.E.bys	 2. 4 1/2 3. 5 1/2 4. 4 3 and C enter into a partnership with their capital in the ratio 2/3 1 2/4 1/5. After 4 months A increased his capital 80%, B increased his capital by 25% and C decreased his capital by 20%. At the end of a year, there was a profit 7800. What is the share of B in the profit? 1. ₹ 2560 	Question ID : 7246223072
Q.6 A.E.bys	 2. 4 1/2 3. 5 1/2 4. 4 3a and C enter into a partnership with their capital in the ratio 2/5 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2	Question ID : 7246223072
Q.6 A.E by S of ₹ Ans	X 2. $4\frac{1}{2}$ X 3. $5\frac{1}{2}$ 4. 4 B and C enter into a partnership with their capital in the ratio $\frac{2}{5}$: $\frac{3}{4}$: $\frac{5}{6}$. After 4 months A increased his capital 80%, B increased his capital by 20%. At the end of a year, there was a profit 7500. What is the share of B in the profit? X 1. ₹ 2560 X 2. ₹ 4200 3. ₹ 3500 X 4. ₹ 3700	Question ID : 7246223072
Q.6 A.E.by Soft	 2. 4 1/2 3. 5 1/2 4. 4 3 and C enter into a partnership with their capital in the ratio 2/2 1/4 1/2 2. After 4 months A increased his capital 80%. B increased his capital by 25% and C decreased his capital by 20%. At the end of a year, there was a profit 7800. What is the share of B in the profit? 1. ₹ 2560 2. ₹ 4200 3. ₹ 3500 4. ₹ 3700 an complete a certain work in 30 days. A started the work and B joined him after 4 days and the work was pleted in total 20 days. In how many days can B alone complete the work? 	Question ID : 7246223072
Q.6 A.E.by Soft Ans	 2. 4 1/2 3. 5 1/2 4. 4 3 and C enter into a partnership with their capital in the ratio 2/3 1/4 1/5. After 4 months A increased his capital 80%, B increased his capital by 25% and C decreased his capital by 20%. At the end of a year, there was a profit 77800. What is the share of B in the profit? 1. ₹ 2560 2. ₹ 4200 3. ₹ 3500 4. ₹ 3700 an complete a certain work in 30 days. A started the work and B joined him after 4 days and the work was pleted in total 20 days. In how many days can B alone complete the work? 1. 48 	Question ID : 7246223072 Chosen Option :
Q.6 A.E. by 5 of ₹ Ans	 2. 4 1/2 3. 5 1/2 4. 4 3. and C enter into a partnership with their capital in the ratio 2/5 1 3/4 1 8/6. After 4 months A increased his capital by 25% and C decreased his capital by 20%. At the end of a year, there was a profit 7800. What is the share of B in the profit? 1. ₹ 2560 2. ₹ 4200 3. ₹ 3500 4. ₹ 3700 an complete a certain work in 30 days. A started the work and B joined him after 4 days and the work was pleted in total 20 days. In how many days can B alone complete the work? 1. 48 2. 42 	Question ID : 7246223072 Chosen Option :
Q.6 A.E.bys of Ans	 2. 4 1/2 3. 5 1/2 4. 4 3. and C enter into a partnership with their capital in the ratio 2/1 1/2 1/2 1/2 2 1/2 1/2 2 1/2 1/2 2 1/2 1/	Question ID : 7246223072 Chosen Option :
Q.6 A.E.bys of Ans	 2. 4 1/2 3. 5 1/2 4. 4 3. and C enter into a partnership with their capital in the ratio 2/5 1 3/4 1 8/6. After 4 months A increased his capital by 25% and C decreased his capital by 20%. At the end of a year, there was a profit 7800. What is the share of B in the profit? 1. ₹ 2560 2. ₹ 4200 3. ₹ 3500 4. ₹ 3700 an complete a certain work in 30 days. A started the work and B joined him after 4 days and the work was pleted in total 20 days. In how many days can B alone complete the work? 1. 48 2. 42 	Question ID : 7246223072 Chosen Option :
Q.6 A.E. by 5 of ₹ Ans Q.7 A.c. Com	 2. 4 1/2 3. 5 1/2 4. 4 3. and C enter into a partnership with their capital in the ratio 2/5 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2	Question ID : 7246223072 Chosen Option : Question ID : 7246223069 Chosen Option :
Q.6 A.E. by 5 of ₹ Ans Q.7 A ce com Ans	 2. 4 1/2 3. 5 1/2 4. 4 3. and C enter into a partnership with their capital in the ratio 5/2 1 1/4 1 1/8. After 4 months A increased his capital by 25% and C decreased his capital by 20%. At the end of a year, there was a profit 7800. What is the share of B in the profit? 1. ₹ 2560 2. ₹ 4200 3. ₹ 3500 4. ₹ 3700 an complete a certain work in 30 days. A started the work and B joined him after 4 days and the work was pleted in total 20 days. In how many days can B alone complete the work? 1. 48 2. 42 3. 50 4. 45 	Question ID : 7246223072 Chosen Option : Question ID : 7246223069 Chosen Option :
Q.6 A.E. by 5 of ₹ Ans Q.7 A com Ans	 2. 4 1/2 3. 5 1/2 4. 4 3. and C enter into a partnership with their capital in the ratio 2/5 1/4 1/5. After 4 months A increased his capital 50%, B increased his capital by 25% and C decreased his capital by 20%. At the end of a year, there was a profit 7800. What is the share of B in the profit? 1. ₹ 2560 2. ₹ 4200 3. ₹ 3500 4. ₹ 3700 an complete a certain work in 30 days. A started the work and B joined him after 4 days and the work was pleted in total 20 days. In how many days can B alone complete the work? 1. 48 2. 42 3. 50 4. 45 	Question ID : 7246223072 Chosen Option : Question ID : 7246223069 Chosen Option :
Q.6 A.E.by 5 of ₹ Ans Q.7 Accom Ans	 2. 4 1/2 3. 5 1/2 4. 4 3 and C enter into a partnership with their capital in the ratio 2/3 1/2 1/5. After 4 months A increased his capital 180%. B increased his capital by 25% and C decreased his capital by 20%. At the end of a year, there was a profit 7800. What is the share of B in the profit? 1. ₹ 2560 2. ₹ 4200 3. ₹ 3500 4. ₹ 3700 an complete a certain work in 30 days. A started the work and B joined him after 4 days and the work was pleted in total 20 days. In how many days can B alone complete the work? 1. 48 2. 42 3. 50 4. 45 	Question ID : 7246223072 Chosen Option : Question ID : 7246223069 Chosen Option :
Q.6 A.E. by 5 of ₹ Ans Q.7 A.ce Com Ans	 2. 4 1/2 3. 5 1/2 4. 4 3. and C enter into a partnership with their capital in the ratio 2/3 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2	Question ID: 7246223072 Chosen Option: Question ID: 7246223069 Chosen Option:
Q.6 A.E. by 5 of ₹ Ans Q.7 A.ce Com Ans	 2. 4 1/2 3. 5 1/2 4. 4 3 and C enter into a partnership with their capital in the ratio 2/3 1/2 1/5. After 4 months A increased his capital 180%. B increased his capital by 25% and C decreased his capital by 20%. At the end of a year, there was a profit 7800. What is the share of B in the profit? 1. ₹ 2560 2. ₹ 4200 3. ₹ 3500 4. ₹ 3700 an complete a certain work in 30 days. A started the work and B joined him after 4 days and the work was pleted in total 20 days. In how many days can B alone complete the work? 1. 48 2. 42 3. 50 4. 45 	Question ID: 7246223072 Chosen Option: Question ID: 7246223069 Chosen Option:
Q.6 A.E. by 5 of ₹ Ans Q.7 A.com Ans Q.8 In a votes Ans	 2. 4 1/2 3. 5 1/2 4. 4 3 and C enter into a partnership with their capital in the ratio 2/3 1/2 1/5. After 4 months A increased his capital 50%, B increased his capital by 25% and C decreased his capital by 20%. At the end of a year, there was a profit 7800. What is the share of B in the profit? 1. ₹ 2560 2. ₹ 4200 3. ₹ 3500 4. ₹ 3700 an complete a certain work in 30 days. A started the work and B joined him after 4 days and the work was appleted in total 20 days. In how many days can B alone complete the work? 1. 48 2. 42 3. 50 4. 45 constituency 60% of voters are males and rest are females. 40% of male-voters are literate and 20% of female rs are literates. By what percent is the number of literate males less than that of illiterate females? 1. 20 2. 25 3. 30 4. 40 	Question ID : 7246223072 Chosen Option : Question ID : 7246223069 Chosen Option : Question ID : 7246223062 Chosen Option : 2
Q.6 A. E. by 5 of ₹ Ans Q.7 A car Com Ans Q.8 In a votes Ans	 2. 4 1/2 3. 5 1/2 4. 4 3. and C enter into a partnership with their capital in the ratio 2/5 1/2 1/6. After 4 months A increased his capital by 25% and C decreased his capital by 20%. At the end of a year, there was a profit 7800. What is the share of B in the profit? 1. ₹ 2560 2. ₹ 4200 3. ₹ 3500 4. ₹ 3700 an complete a certain work in 30 days. A started the work and B joined him after 4 days and the work was pleted in total 20 days. In how many days can B alone complete the work? 1. 48 2. 42 3. 50 4. 45 constituency 60% of voters are males and rest are females. 40% of male-voters are literate and 20% of female rs are literates. By what percent is the number of literate males less than that of illiterate females? 1. 20 2. 25 3. 30 4. 40 40 40 females B doubles his capital and C leaves his capital as it is. At the end of year, if share of profit of B is ₹ 1.8 then what is the total profit (in lakh)? 	Question ID: 7246223072 Chosen Option: Question ID: 7246223069 Chosen Option: Question ID: 7246223062 Chosen Option: 2
Q.6 A.E. by 5 of 7 of	 X 2. 4 1/2 X 3. 5 1/2 4. 4 3 and C enter into a partnership with their capital in the ratio 2: 3/1 5/8. After 4 months A increased his capital by 25% and C decreased his capital by 20%. At the end of a year, there was a profit 7800. What is the shate of B in the profit? X 1. ₹ 2560 X 2. ₹ 4200 3. ₹ 3500 4. ₹ 3700 an complete a certain work in 30 days. A started the work and B joined him after 4 days and the work was pleted in total 20 days. In how many days can B alone complete the work? 1. 48 X 2. 42 X 3. 50 X 4. 45 Constituency 60% of voters are males and rest are females. 40% of male-voters are literate and 20% of female is are literates. By what percent is the number of literate males less than that of illiterate females? X 1. 20 2. 25 X 3. 30 X 4. 40 Leffiends A, B and C invest their capitals in a business in the ratio 8:3-9. At the end of every quarter A halves his al, whereas B doubles his capital and C lerves his capital as it is. At the end of every quarter A halves his al, whereas B doubles his capital and C lerves his capital as it is. At the end of every quarter A halves his laten what is the total profit (in latah)? X 1. ₹ 3.64 	Question ID : 7246223072 Chosen Option : Question ID : 7246223069 Chosen Option : Question ID : 7246223062 Chosen Option : 2
Q.6 A. E. by 5 of 5 o	 2. 4 1/2 3. 5 1/2 4. 4 3. and C enter into a partnership with their capital in the ratio 2/5 1/2 1/6. After 4 months A increased his capital by 25% and C decreased his capital by 20%. At the end of a year, there was a profit 7800. What is the share of B in the profit? 1. ₹ 2560 2. ₹ 4200 3. ₹ 3500 4. ₹ 3700 an complete a certain work in 30 days. A started the work and B joined him after 4 days and the work was pleted in total 20 days. In how many days can B alone complete the work? 1. 48 2. 42 3. 50 4. 45 constituency 60% of voters are males and rest are females. 40% of male-voters are literate and 20% of female rs are literates. By what percent is the number of literate males less than that of illiterate females? 1. 20 2. 25 3. 30 4. 40 40 40 females B doubles his capital and C leaves his capital as it is. At the end of year, if share of profit of B is ₹ 1.8 then what is the total profit (in lakh)? 	Question ID : 7246223072 Chosen Option : Question ID : 7246223069 Chosen Option : Question ID : 7246223062 Chosen Option : 2

X 4. ₹ 3.48 Q.10 The value of a stone varies directly as the square of its weight. If a stone worth ₹ 12100 is divided into two pieces in the ratio 3/8, the loss in value is closest to: Question ID: 7246223064 Ans X 1. 40.1% Chosen Option : --X 2. 41.3% √ 3. 39.7% X 4. 40.2% Q.11 A person marks his goods 30% above the cost price. He sells 60% of the goods at the marked price and the rest at 15% loss. What is his gain percent on the whole transactions? Question ID: 7246223063 Ans X 1. 15 Chosen Option : --**√** 2. 12 $\times 4.10\frac{1}{2}$ Q.12 The value of $\left[\frac{7\sqrt{2}-4\sqrt{3}}{5\sqrt{2}-4\sqrt{3}} + \frac{6\sqrt{2}-3\sqrt{3}}{6\sqrt{2}-5\sqrt{3}}\right] \times \frac{7}{3+\sqrt{2}}$, correct to two decimal places, is: Question ID: 7246223066 Chosen Option : --Ans X 1. 3.12 **√** 2. 3.17 X 3. 3.23 X 4. 3.29 Q.13 Amit travelled at 48 km/h from a place A to B in a certain time. In the return journey, he covered $33\frac{1}{3}\%$ of the journey Question ID: 7246223067 in $66\frac{2}{3}\%$ of the initial time. What should be his speed for the rest of journey so that he can cover the entire return journey in the same time that he took for the onward journey? Chosen Option : --Ans 🗸 1. 96 km/h × 2. 80 km/h X 3. 108 km/h X 4. 64 km/h **Q.14** If x + y + z = 1, xy + yz + zx = -1 and xyz = -1 then the value of $\sqrt[3]{x^3 + y^3 + z^3}$ is: Question ID: 7246223070 Chosen Option : 4 X 2. -2 **Q.15** If x + y = 1, and $x^2y^2 - 2xy = 12$, then the value of $\sqrt{x^4 + y^4}$ is: Question ID : 7246223075 Ans X 1. 8 Chosen Option : --X 2. 6 X 3. 3 **4**. 5 Section: Logical Ability Q.1 Select the figure that correctly completes the image given below: Question ID: 7246223080 Chosen Option: 4



Qp (6).1	ntml#
Select the option that is related to the third term in the same way as the second term is related to the first term. Gold: Carat:: Cloth:?	Question ID : 7246223076 Chosen Option : 2
Ans X 1. Miligram	
✓ 2. Meter	
X ₃ Weaver	
X⁴. Ream	
2.9 Three out of the four words below are similar in a certain way and one is different. Select the option that is different	
from the others. 1. Shampoo	Question ID: 7246223078 Chosen Option: 3
× 2. Soap	
× 3. Bathrobe	
× 4. Conditioner	
A POS VENNO COMBINAS SECURACIO	
.10 Rutuja is Narang's only sibling. Narang's wife, Reena, has a brother, Dinesh. Sunita is Rutuja's only niece. How is Sunita related to Dinesh?	Question ID : 7246223085
ns X 1. Sister	Chosen Option : 2
2. Niece	
X ₃. Sister-in-law	
★ 4. Cannot be determined	
ection : General Awareness	
1.1 As per Constitution of India, how many persons can be nominated to the Rajya Sabha?	Question ID : 7246223090
ns X 1. 26	Chosen Option : 4
★ 2. 33	
X 3. 19	
✓ 4. 12	
2.2 Girija Devi was the exponent of which type of Hindustani classical music?	Question ID : 7246223100
ns X 1. Dhamar	Chosen Option :
× 2. Khyal	
X 3. Ghazal	
✓ 4. Thumri	
of the Constitution of India provides the Directive Principles of State Policy.	
ns X 1. Part I	Question ID : 7246223091 Chosen Option : 2
× 2. Part XII	Choson option.2
X 3. Part VIII	
✓ 4. Part IV	
2.4 After being withdrawn in March 1931, Civil Disobedience Movement was re-launched in the year:	
ns X 1, 1944	Question ID: 7246223087 Chosen Option:
₹ 2. 1941	Choose opacin.
√ 3. 1932	
★ 4. 1937	
Which virus makes changes to a disk's file system?	Outsting ID - 704000000
ns X 1. Stealth virus	Question ID : 7246223096 Chosen Option :
✓ 2. Cluster virus	
➤ 3. Polymorphic virus	
× 4. Macro virus	
• Macro virus	
2.6 Who among the following had not served ever as Minister of Finance?	Question ID : 7246223093
^{ins} X 1. Indira Gandhi	Chosen Option : 1
X 2. Manmohan Singh	
X ₃ Rajiv Gandhi	
✓ 4. Lal Krishna Advani	

Qp (6).html#		
: 7246223086 :		
: 7246223089 :		
: 7246223094 :		
: 7246223098 :		
:7246223092		
:7246223095 :1		
:7246223097 :		
:7246223099		

X 1. Manipur
✓ 2. Assam
X 3. Delhi
X 4. Gujarat

