DMRC_JE_Electrical_2020_Contract

Q.1 The process of electro deposition of metal upon metallic surfaces is called:

Ans   ✗ 1. electric lighting

   ✗ 2. electric heating

   ✔ 3. electroplating

   ✗ 4. electric welding

Question ID : **1499863577**
Status : **Answered**
Chosen Option : **3**

Q.2 The current drawn by a dc series motor is increased from 10 A to 12 A. What is the percentage increase in torque? (Neglect saturation.)

Ans   ✗ 1. 50

   ✔ 2. 44

   ✗ 3. 64

   ✗ 4. 20

Question ID : **1499863546**
Status : **Answered**
Chosen Option : **2**

Q.3 A 3 - Φ, 8 pole 50 Hz induction motor runs at 600 rpm. Calculate slip.

Ans
- ✗ 1. 1
- ✗ 2. 0.8
- ✔ 3. 0.2
- ✗ 4. 10

Question ID : **1499863550**
Status : **Answered**
Chosen Option : **3**

Q.4 A generating station has a connected load of 43 MW and a maximum demand of 20 MW. Calculate the demand factor.

Ans
- ✗ 1. 1.0
- ✗ 2. 0.82
- ✗ 3. 0.11
- ✔ 4. 0.46

Question ID : **1499863570**
Status : **Answered**
Chosen Option : **4**

Q.5 The output power of a NPN transistor (CE configuration) is 300 mW. If the collector current is 30 mA, then the maximum collector to emitter voltage (V_{CE}) is:

Ans
- ✗ 1. 50 V
- ✗ 2. 100 V
- ✗ 3. 1 V
- ✔ 4. 10 V

Question ID : **1499863581**
Status : **Answered**
Chosen Option : **4**

Q.6 The phenomena arising due to unequal distribution of current over the entire cross-section of the conductor in a long-distance transmission line is referred to as:

Ans
- ✗ 1. electrostatic effect
- ✗ 2. electromagnetic effect
- ✔ 3. skin effect
- ✗ 4. magnetic effect

Question ID : **1499863563**
Status : **Answered**
Chosen Option : **3**

Q.7 A series RLC circuit supplied by 220 V ac voltage has R = 10 Ω, L = 10 mH and C = 1 μF. Find the quality factor of inductor at resonance?

Ans ✗ 1. 100

✗ 2. 50

✗ 3. 20

✔ 4. 10

Question ID : **1499863533**

Status : **Answered**

Chosen Option : **4**

Q.8 In an NPN (CE configuration) transistor, I_C =50 mA and I_E = 50.5 mA. The value of current gain β is:

Ans ✔ 1. 100

✗ 2. 50

✗ 3. 200

✗ 4. 10

Question ID : **1499863582**

Status : **Answered**

Chosen Option : **1**

Q.9 A 4 pole dc shunt generator running at 500 rpm has a simplex wave wound armature containing 48 coils of 6 turns each. The flux produced per pole is 0.02 Wb. Calculate the induced emf in the armature.
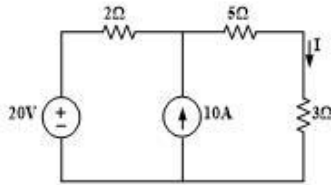
Ans ✔ 1. 192 V

✗ 2. 384 V

✗ 3. 48 V

✗ 4. 96 V

Question ID : **1499863542**

Status : **Answered**

Chosen Option : **4**

Q.10 In a 3-Φ induction motor, the frequency of rotor emf at standstill is equal to (s = slip, f = stator supply frequency):

Ans ✗ 1. Sf

✗ 2. (1-s)f

✗ 3. 2 f

✔ 4. F

Question ID : **1499863554**

Status : **Answered**

Chosen Option : **4**

Q.11 What is the value of the current flowing in 3 Ω resistor?

Ans
✓ 1. 4 A
✗ 2. 10 A
✗ 3. 1 A
✗ 4. 7 A

Q.12 The rating of a current transformer is 500/10 A and the current setting is given as 150. What is the value of the pickup current of the relay?

Ans
✗ 1. 10 A
✗ 2. 4 A
✓ 3. 15 A
✗ 4. 2 A

Q.13 In a 4-pole dc machine, a coil span of 120 electrical degrees is equal to:

Ans
✗ 1. 120 mechanical degrees
✗ 2. 180 mechanical degrees
✓ 3. 60 mechanical degrees
✗ 4. 240 mechanical degrees

Q.14 The following data was obtained for a 10 kVA, 200/1000 V, 50 Hz, 1-ϕ transformer.

Open circuit test (high voltage side open circuited) – 200 V, 1.2 A, 120 W.

Find the value of the core-loss component of the current.

Ans
- ✗ 1. 1.2 A
- ✗ 2. 1.8 A
- ✔ 3. 0.6 A
- ✗ 4. 2.4 A

Question ID : **1499863556**

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

Chosen Option : **--**

Q.15 In a 3 - ϕ, delta/star connected transformer, the ratio of phase voltages (primary to secondary) is 3 : 1. Find the ratio of their line voltages.

Ans
- ✔ 1. $\sqrt{3} : 1$
- ✗ 2. 3 : 2
- ✗ 3. 3 : 1
- ✗ 4. 1 : 2

Question ID : **1499863558**

Status : **Answered**

Chosen Option : **1**

Q.16 What is the relation between resistance (R_1 and R_2) of two bulbs rated for the same voltage and having powers of 400 W and 100 W respectively?

Ans
- ✗ 1. $R_1 = 4R_2$
- ✔ 2. $R_2 = 4R_1$
- ✗ 3. $R_2 = 2R_1$
- ✗ 4. $R_1 = 2R_2$

Question ID : **1499863512**

Status : **Answered**

Chosen Option : **2**

Q.17 The power of retaining magnetism even after the removal of the magnetising force is called:

Ans
- ✗ 1. reluctance
- ✗ 2. inductance
- ✔ 3. retentivity
- ✗ 4. relativity

Question ID : **1499863523**

Status : **Answered**

Chosen Option : **3**

Q.18 Which of the following bridges is used for the measurement of di-electric loss of a capacitor?

Ans
✗ 1. Maxwell's bridge

✓ 2. Schering's bridge

✗ 3. Owen's bridge

✗ 4. Anderson's bridge

Question ID : **1499863536**
Status : **Answered**
Chosen Option : **2**

Q.19 A solenoid of 50 cm is wound on a brass tube. If the current through the coil is 1 A, then calculate the number of turns necessary over the solenoid to produce field strength of 400 AT/m at the centre of the coil.

Ans
✗ 1. 600

✗ 2. 500

✗ 3. 100

✓ 4. 200

Question ID : **1499863522**
Status : **Answered**
Chosen Option : **4**

Q.20 A dc shunt generator has core loss of 100 W and armature resistance of 0.25 Ω. What is the load current corresponding to maximum efficiency? Assume armature current (I_a) = Load current (I_L).

Ans
✗ 1. 40 A

✗ 2. 30 A

✗ 3. 10 A

✓ 4. 20 A

Question ID : **1499863545**
Status : **Answered**
Chosen Option : **4**

Q.21 Two 15 MVA, 3 - φ alternators are operating in parallel to supply a load of 25 MVA at 0.8 power factor lagging. If the output of alternator – 1 is 18 MVA at 0.9 power factor lagging, then what is the output of alternator – 2?

Ans
✗ 1. 20 MW

✗ 2. 10 MW

✓ 3. 3.8 MW

✗ 4. 15 MW

Question ID : **1499863548**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.22 In a permanent magnet moving coil instrument, which force is responsible to move the pointer from the zero position?

Ans

✗ 1. Controlling force

✗ 2. Frictional force

✔ 3. Deflecting force

✗ 4. Damping force

Question ID : **1499863534**
Status : **Answered**
Chosen Option : **1**

Q.23 Two resistors of 4 Ω and 6 Ω are connected in series and supplied by 50 V dc. What is the voltage across 6 Ω resistor?

Ans

✗ 1. 10 V

✔ 2. 30 V

✗ 3. 50 V

✗ 4. 20 V

Question ID : **1499863511**
Status : **Answered**
Chosen Option : **2**

Q.24 The X and Y plates of a cathode ray oscilloscope are provided with sinusoidal inputs of equal amplitude and frequency which are 90° out of phase. The resulting Lissajous pattern will be a:

Ans

✗ 1. horizontal straight line

✗ 2. vertical straight line

✗ 3. parabola

✔ 4. circle

Question ID : **1499863538**
Status : **Answered**
Chosen Option : **2**

Q.25 In the circuit shown below, if the resistor 3 Ω across the terminals (A – B) is disconnected, then find the voltage (V_{AB}).
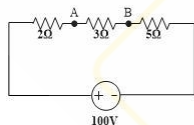
Ans

✗ 1. 50 V

✗ 2. Zero

✔ 3. 100 V

✗ 4. 150 V

Question ID : **1499863513**
Status : **Answered**
Chosen Option : **3**

Q.26 In the expression e = L(di/dt) (where e = emf of a coil, i = current through the coil, t = time) L represents:

Ans
❌ 1. capacitance
❌ 2. resistance
✔️ 3. self-inductance
❌ 4. conductance

Question ID : **1499863519**
Status : **Answered**
Chosen Option : **3**

Q.27 Two equal resistors are first connected in series and then in parallel across a dc supply. What is the ratio (series circuit to parallel circuit) of total heat dissipated by the resistors for the two cases at a given time?

(Assume that the current from the dc source is same in both cases.)

Ans
❌ 1. 2 : 3
✔️ 2. 4 : 1
❌ 3. 1 : 2
❌ 4. 3 : 2

Question ID : **1499863518**
Status : **Answered**
Chosen Option : **2**

Q.28 What is the value of form factor for alternating voltage or current varying sinusoidally?

Ans
✔️ 1. 1.11
❌ 2. 1.414
❌ 3. 0.5
❌ 4. 0.866

Question ID : **1499863528**
Status : **Answered**
Chosen Option : **1**

Q.29 The relay used for protection of an oil immersed transformer against all internal faults is:

Ans
❌ 1. Mho relay
✔️ 2. Buchholz relay
❌ 3. Impedance relay
❌ 4. Admittance relay

Question ID : **1499863562**
Status : **Answered**
Chosen Option : **2**

Q.30 What are the terminals in a single phase 3-pin plug?

Ans ✗ 1. Phase, Phase, Neutral

✗ 2. Phase, Phase, Ground

✔ 3. Phase, Neutral, Ground

✗ 4. Phase, Phase, Phase

Question ID : **1499863571**
Status : **Answered**
Chosen Option : **3**

Q.31 The unit of resistivity is:

Ans ✗ 1. Coulomb (C)

✔ 2. Ohm-metre (Ω-m)

✗ 3. Ampere (A)

✗ 4. Volts (V)

Question ID : **1499863509**
Status : **Answered**
Chosen Option : **2**

Q.32 What is the unit for American Wire Gauge (AWG) conductors?

Ans ✔ 1. Thousand circular mil (MCM)

✗ 2. Amperes

✗ 3. Watts

✗ 4. Volts

Question ID : **1499863559**
Status : **Answered**
Chosen Option : **2**

Q.33 The ac current flowing through a 10 Ω resistor in a closed electric circuit is given by $i(t) = 3 + 4\sin(\omega t) + 4\sin(2\omega t)$ A.
Find the rms value of the current?

Ans ✗ 1. 8 A

✗ 2. 10 A

✗ 3. 3 A

✔ 4. 5 A

Question ID : **1499863529**
Status : **Answered**
Chosen Option : **4**

Q.34 The characteristic curve (speed vs torque) shown below is exhibited by:
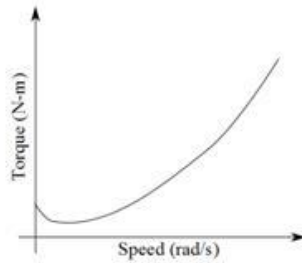
Ans
- ✔ 1. fan load
- ✘ 2. metal drawing load
- ✘ 3. cranes and hoists load
- ✘ 4. grinding load

Question ID : **1499863578**
Status : **Answered**
Chosen Option : **3**

Q.35 Two alternating quantities operating at the same frequency are given by $V_1(t) = 10\sin(\omega t)$ and $V_2(t) = 10\sin(\omega t+45°)$.
What is the phase difference between them with respect to $V_1(t)$?

Ans
- ✘ 1. 60°
- ✘ 2. 15°
- ✔ 3. 45°
- ✘ 4. 90°

Question ID : **1499863527**
Status : **Answered**
Chosen Option : **3**

Q.36 An under excited synchronous motor is operating at:

Ans
- ✔ 1. lagging power factor
- ✘ 2. unity power factor
- ✘ 3. leading power factor
- ✘ 4. zero power factor

Question ID : **1499863555**
Status : **Answered**
Chosen Option : **1**

Q.37 A light source of 900 candelas is situated 3 m above a working surface. Calculate the illuminance directly below the source.

Ans ✗ 1. 200 lumens

✗ 2. 50 lumens

✗ 3. 500 lumens

✔ 4. 100 lumens

Question ID : **1499863572**
Status : **Answered**
Chosen Option : **4**

Q.38 What is the value of back emf in a dc shunt motor at the instant of starting?

Ans ✗ 1. Half of the input voltage

✗ 2. Double the input voltage

✔ 3. Zero

✗ 4. Equal to the input voltage

Question ID : **1499863543**
Status : **Answered**
Chosen Option : **3**

Q.39 The charge (q) flowing in a conductor is q = $(3t^2 – 5t)$ mC (t = time). Calculate the current flowing in the conductor at t = 3 seconds?

Ans ✔ 1. 13 mA

✗ 2. 10 mA

✗ 3. 6.5 mA

✗ 4. 26 mA

Question ID : **1499863510**
Status : **Answered**
Chosen Option : **1**

Q.40 A coil with 500 turns carries a current of 2 A. What is the MMF of the coil?

Ans ✗ 1. 200 AT

✗ 2. 20 AT

✔ 3. 1000 AT

✗ 4. 55 AT

Question ID : **1499863521**
Status : **Answered**
Chosen Option : **3**

Q.41 In the circuit shown below, $R_{AB} = 3\ \Omega$, $R_{BC} = 6\ \Omega$ and $R_{AC} = 9\ \Omega$ are connected in delta. Find the star equivalent of the delta connected resistors (R_A, R_B and R_C)?
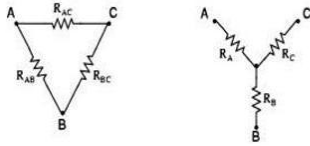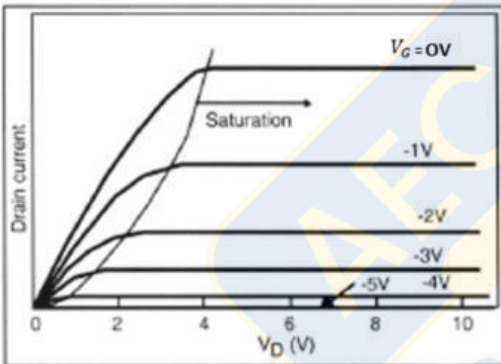

Ans ✔ 1. $1.5\ \Omega, 1\ \Omega, 3\ \Omega$

✘ 2. $3\ \Omega, 6\ \Omega, 4.5\ \Omega$

✘ 3. $2\ \Omega, 4\ \Omega, 8\ \Omega$

✘ 4. $3\ \Omega, 6\ \Omega, 9\ \Omega$

Question ID : **1499863532**
Status : **Answered**
Chosen Option : **1**

Q.42 Identify the type of device from the characteristics as shown in the given figure.

(*X axis* : V_D *(Drain Voltage)*;

Y axis : I_D *(Drain Current)*; V_G = *Gate Voltage*)

Ans ✘ 1. BJT

✔ 2. FET

✘ 3. SCR

✘ 4. PN Diode

Question ID : **1499863579**
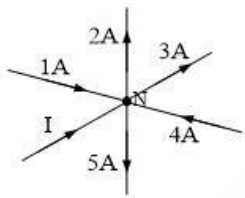Status : **Answered**
Chosen Option : **2**

Q.43 A permanent magnet moving coil ammeter having internal resistance of 0.8 Ω has full scale division of (0-10) A. What value of resistor should be added to increase its range to (0-50) A?

Ans

✔ 1. 0.2 Ω in parallel with the metre

✘ 2. 0.04 Ω in series with the metre

✘ 3. 0.2 Ω in series with the metre

✘ 4. 0.04 Ω in parallel with the metre

<div style="border:1px solid;">
Question ID : 1499863535

Status : **Answered**

Chosen Option : 1
</div>

Q.44 N

Find the current I flowing towards the node (N) in the circuit shown below.

Ans ✘ 1. 1 A

✔ 2. 5 A

✘ 3. 10 A

✘ 4. 15 A

<div style="border:1px solid;">
Question ID : 1499863515

Status : **Answered**

Chosen Option : 2
</div>

Q.45 The Synchronous speed (N_s) of a 3 - Φ induction motor is directly proportional to

(f = stator supply frequency):

Ans ✔ 1. f

✘ 2. f^2

✘ 3. 1/f

✘ 4. $1/f^2$

<div style="border:1px solid;">
Question ID : 1499863551

Status : **Answered**

Chosen Option : 1
</div>

Q.46 A 250 V lamp has a luminous flux of 1500 lumens and takes current of 0.4 A. Calculate lumens per watt.

Ans
✔ 1. 15
✘ 2. 5
✘ 3. 1
✘ 4. 10

Question ID : **1499863576**
Status : **Answered**
Chosen Option : **1**

Q.47 For a given conductor, if the cross-sectional area increases, then:

Ans
✘ 1. current rating of the conductor decreases
✘ 2. resistance of the conductor increases
✔ 3. resistance of the conductor decreases
✘ 4. resistance of the conductor does not change

Question ID : **1499863561**
Status : **Answered**
Chosen Option : **1**

Q.48 The necessary phase difference between the main current and the auxiliary current in a 1 - φ capacitor start capacitor run induction motor is produced by:

Ans
✘ 1. connecting an inductor in parallel with starting winding
✘ 2. connecting a capacitor in parallel with starting winding
✔ 3. connecting a capacitor in series with starting winding
✘ 4. connecting a resistor in series with starting winding

Question ID : **1499863553**
Status : **Answered**
Chosen Option : **3**

Q.49 In two wattmeter methods of measuring power in a 3 - φ, 3 - wire system supplying balanced load, if $W_1 = 2W_2$, then what is the power factor of the load?

Ans
✘ 1. 2
✘ 2. 0.5
✔ 3. $\sqrt{3}/2$
✘ 4. 1.5

Question ID : **1499863540**
Status : **Answered**
Chosen Option : **2**

Q.50 Why is copper the material of choice for underground cables?

Ans ✔ 1. Low resistance

✗ 2. Low frequency

✗ 3. High resistance

✗ 4. Low bandwidth

Question ID : **1499863567**
Status : **Answered**
Chosen Option : **1**

Q.51 In a moving iron ammeter, the deflection(θ) of the pointer is proportional to the:

Ans ✔ 1. square of the operating current

✗ 2. square root of the operating current

✗ 3. operating current

✗ 4. cube of the operating current

Question ID : **1499863541**
Status : **Answered**
Chosen Option : **1**

Q.52 The location of ground faults in underground cables can be found by:

Ans ✗ 1. Ohm-meter

✗ 2. Electro-dynamometer

✗ 3. Megger

✔ 4. Murray loop test

Question ID : **1499863539**
Status : **Answered**
Chosen Option : **4**

Q.53 What is the effect of armature reaction in a 3 - φ alternator, when the load power factor is unity?

Ans ✗ 1. Magnetising and demagnetising

✗ 2. Demagnetising

✗ 3. Magnetising

✔ 4. Cross magnetising

Question ID : **1499863547**
Status : **Answered**
Chosen Option : **3**

Q.54 Consider the circuit shown below.
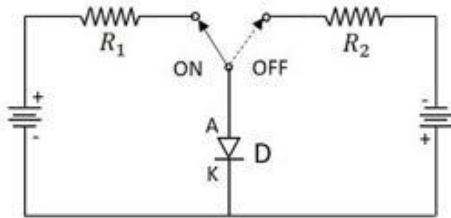
If the switch is in the ON position the diode:

Ans ✔ 1. is forward biased

✘ 2. is reverse biased

✘ 3. is saturated

✘ 4. remains idle

Question ID : **1499863583**
Status : **Answered**
Chosen Option : **1**

Q.55 In arc welding, the establishment of arc is produced by:

Ans ✘ 1. mechanical energy

✘ 2. chemical energy

✔ 3. electrical energy

✘ 4. thermal energy

Question ID : **1499863575**
Status : **Answered**
Chosen Option : **3**

Q.56 The stator of 3 - φ, 16 pole alternator has a star connected winding with 144 slots and 10 conductors per slot. Find the pitch factor when the winding is short pitched by 3 slots.

Ans ✘ 1. 1

✘ 2. 1.64

✘ 3. 0.5

✔ 4. $\sqrt{3}/2$

Question ID : **1499863552**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.57 Which of the following statements is true for a 1 - φ transformer?

Ans ✗ 1.

Emf induced per turn in the primary winding is less than the emf induced per turn in the secondary winding.

✓ 2.

Emf induced per turn in the primary winding is equal to the emf induced per turn in the secondary winding.

✗ 3.

Emf induced per turn in the primary winding is greater than emf induced per turn in the secondary winding.

✗ 4.

Emf induced per turn in the primary winding is twice the emf induced per turn in the secondary winding.

Question ID : **1499863557**
Status : **Answered**
Chosen Option : **1**

Q.58 The admittance of an electric circuit is given as Y = (3 + j4). What is the value of resistance for the corresponding circuit?

Ans ✗ 1. $3 \, \Omega$

✗ 2. $4 \, \Omega$

✗ 3. $4/25 \, \Omega$

✓ 4. $3/25 \, \Omega$

Question ID : **1499863531**
Status : **Answered**
Chosen Option : **4**

Q.59 A 3-φ Y connected balanced load has balanced currents with RYB sequence given by:

$$\begin{bmatrix} I_R \\ I_Y \\ I_B \end{bmatrix} = \begin{bmatrix} 10\angle 0° \\ 10\angle -120° \\ 10\angle +120° \end{bmatrix}$$

Calculate the zero sequence current I_0.

Ans ✗ 1. fifty

✗ 2. ten

✓ 3. zero

✗ 4. twenty

Question ID : **1499863568**
Status : **Answered**
Chosen Option : **3**

Q.60 Which of the following generating stations does NOT require fuel to generate electricity?

Ans
- ✗ 1. Thermal power plant
- ✔ 2. Hydro-electric power plant
- ✗ 3. Nuclear power plant
- ✗ 4. Diesel power plant

Question ID : **1499863569**
Status : **Answered**
Chosen Option : **2**

Q.61 The primary and secondary voltages of an auto transformer are 200 V and 120 V respectively. It supplies a load of 15 kW at unity power factor. Calculate the power transferred to the load by conduction.

Ans
- ✗ 1. 25 kW
- ✗ 2. 18 kW
- ✗ 3. 15 kW
- ✔ 4. 9 kW

Question ID : **1499863549**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.62 A series RLC circuit is supplied by ac voltage of 50 V (rms). What is the value of the current (rms) supplied by the source at resonance?

(Resistance (R) = 10 Ω, inductance (L) = 10 mH and capacitance (C) = 10 μF.)

Ans
- ✗ 1. 15 A
- ✗ 2. 10 A
- ✔ 3. 5 A
- ✗ 4. 20 A

Question ID : **1499863526**
Status : **Answered**
Chosen Option : **3**

Q.63 An ac voltage source of 250 V (rms) supplies active power of 300 Watts and reactive power of 400 VAR. Find the value of current (rms) drawn by the source.

Ans
- ✗ 1. 6 A
- ✔ 2. 2 A
- ✗ 3. 4 A
- ✗ 4. 10 A

Question ID : **1499863525**
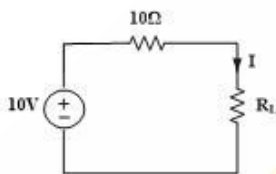Status : **Answered**
Chosen Option : **2**

Q.64 From the following phasor diagram identify the sequence component vectors.
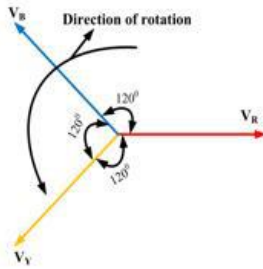
Ans

✗ 1. Negative sequence

✔ 2. Positive sequence

✗ 3. Zero sequence

✗ 4. Oscillating

Question ID : **1499863566**
Status : **Answered**
Chosen Option : **2**

Q.65 Find the maximum power transferred to the load resistance (R_L).

Ans

✗ 1. 4.0 W

✗ 2. 1.0 W

✗ 3. 6.0 W

✔ 4. 2.5 W

Question ID : **1499863516**
Status : **Answered**
Chosen Option : **4**

Q.66 Which property of the oil helps to break the current in an oil circuit breaker?

Ans

✗ 1. Induction

✗ 2. Conduction

✗ 3. Radiation

✔ 4. Insulation

Question ID : **1499863565**
Status : **Answered**
Chosen Option : **4**

Q.67 In the circuit shown below, $V_R = 3V$ and $V_L = 4V$. What is the power factor of the circuit? (Consider current $i(t)$ as reference phasor.)
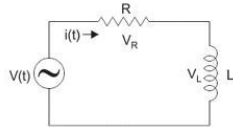
Ans

✗ 1. 1.0

✗ 2. 0.2

✔ 3. 0.6

✗ 4. 0.8

Question ID : **1499863530**
Status : **Answered**
Chosen Option : **3**

Q.68 The name Bipolar in BJT signifies:

Ans

✔ 1. current flow is due to transport of both electrons and holes

✗ 2.
current flow is due to transport of only holes but not electrons

✗ 3.
current flow is due to transport of only electrons but not holes

✗ 4.
current flow is due to transport of neither holes nor electrons

Question ID : **1499863580**
Status : **Answered**
Chosen Option : **1**

Q.69 A 5 µF pure capacitor carries a current of 5 A when a sinusoidal ac voltage is applied. What is the average power dissipated by the capacitor over one cycle of ac supply?

Ans

✗ 1. 50 W

✔ 2. Zero

✗ 3. 5 W

✗ 4. 25 W

Question ID : **1499863524**
Status : **Answered**
Chosen Option : **2**

Q.70 What is the prescribed voltage level for resistance or reactance grounding?

Ans ✔ 1. 3.3 kV – 33 kV

✘ 2. 33 kV – 66 kV

✘ 3. < 600 V

✘ 4. > 33 kV

Question ID : **1499863573**
Status : **Answered**
Chosen Option : **4**

Q.71 The average demand and maximum demand from load curve characteristics of the load connected to utility systems are 30 and 60. Determine the load factor.

Ans ✘ 1. 0.2

✘ 2. 0.7

✘ 3. 0.8

✔ 4. 0.5

Question ID : **1499863560**
Status : **Answered**
Chosen Option : **4**

Q.72 To measure the current in a 1-φ transmission line, primary winding of current transformer is connected in:

Ans ✘ 1. parallel with the line carrying current

✘ 2. parallel to the source

✔ 3. series with the line carrying current

✘ 4. parallel to the load

Question ID : **1499863537**
Status : **Answered**
Chosen Option : **3**

Q.73 Which of the following materials is a diamagnetic material?

Ans ✘ 1. Oxygen

✔ 2. Copper

✘ 3. Potassium

✘ 4. Tungsten

Question ID : **1499863520**
Status : **Answered**
Chosen Option : **4**

Q.74 A circuit consists of four resistors (5 Ω, 10 Ω, 20 Ω, 30 Ω) connected in parallel and supplied by a dc source of 100 V.
Which resistor among the four in the above circuit has least value of current?

Ans

✗ 1. 20 Ω

✗ 2. 10 Ω

✗ 3. 5 Ω

✓ 4. 30 Ω

Question ID : **1499863517**
Status : **Answered**
Chosen Option : **4**

Q.75 In an electrical heating process, the high frequency capacitive heating is also known as:

Ans

✗ 1. resistance heating

✗ 2. infrared heating

✗ 3. induction heating

✓ 4. dielectric heating

Question ID : **1499863574**
Status : **Answered**
Chosen Option : **4**

Section : **General Awareness**

Q.1 How many members of Rajya Sabha can be nominated by the President of India?

Ans

✓ 1. 12

✗ 2. 10

✗ 3. 13

✗ 4. 11

Question ID : **1499863590**
Status : **Not Answered**
Chosen Option : **--**

Q.2 What is the time zone in 'Israel'?

Ans

✗ 1. GMT+1

✗ 2. GMT+2:30

✗ 3. GMT+3

✓ 4. GMT+2

Question ID : **1499863588**
Status : **Not Answered**
Chosen Option : **--**

Q.3 Who was the first speaker of Lok Sabha?

Ans

✖ 1. Sardar Hukam Singh

✖ 2. M. A. Ayyangar

✖ 3. Neelam Sanjiva Reddy

✔ 4. Ganesh Vasudev Mavalankar

Question ID : **1499863591**

Status : **Not Answered**

Chosen Option : **--**

Q.4 Who was the predecessor of the Mughal Emperor 'Akbar'?

Ans

✖ 1. Aurangzeb

✔ 2. Humayun

✖ 3. Sher Shah Suri

✖ 4. Jahangir

Question ID : **1499863584**

Status : **Not Answered**

Chosen Option : **--**

Q.5 In which year, USA became an independent country?

Ans

✔ 1. 1776

✖ 2. 1775

✖ 3. 1778

✖ 4. 1780

Question ID : **1499863586**

Status : **Not Answered**

Chosen Option : **--**

Q.6 Which country celebrates 'Waitangi Day'?

Ans

✖ 1. South Africa

✖ 2. Spain

✖ 3. Australia

✔ 4. New Zealand

Question ID : **1499863594**

Status : **Not Answered**

Chosen Option : **--**

Q.7 Into which sea, 'Jordan River' drains into?

Ans ✔ 1. Dead Sea

✖ 2. Red Sea

✖ 3. Mediterranean Sea

✖ 4. Black Sea

Question ID : **1499863587**

Status : **Not Answered**

Chosen Option : **--**

Q.8 Who has been appointed as a first chief of 'National Medical Commission' by the Indian Government?

Ans ✖ 1. Professor J.S.Titiyal

✔ 2. Professor Suresh Chandra Sharma

✖ 3. Professor Raj Pal

✖ 4. Professor Prof. Atul Kumar

Question ID : **1499863597**

Status : **Not Answered**

Chosen Option : **--**

Q.9 Who was the son of the Sikh emperor 'Maharaja Ranjeet Singh'?

Ans ✖ 1. Maharaja Sher Singh

✖ 2. Maharaja Maha Singh

✔ 3. Maharaja Duleep Singh

✖ 4. Maharaja Charat Singh

Question ID : **1499863585**

Status : **Not Answered**

Chosen Option : **--**

Q.10 With how many countries, United Kingdom shares its land border?

Ans ✖ 1. 3

✔ 2. 1

✖ 3. 0

✖ 4. 2

Question ID : **1499863589**

Status : **Not Answered**

Chosen Option : **--**

Q.11 Who won the first Cricket World Cup held in England, in 1975 ?

Ans   ✗ 1. Australia

      ✔ 2. West Indies

      ✗ 3. England

      ✗ 4. Sri Lanka

Question ID : **1499863595**
Status : **Answered**
Chosen Option : **2**

Q.12 For which movie, Ayushmann Khurrana won the 'Best Actor Award' in the 66th National Film Awards, in 2019?

Ans   ✗ 1. Dream Girl

      ✔ 2. Andhadhun

      ✗ 3. Badhaai Ho

      ✗ 4. Article 15

Question ID : **1499863596**
Status : **Answered**
Chosen Option : **4**

Q.13 What is GST on fresh milk and pasteurised milk in India as on 1st January 2020?

Ans   ✗ 1. 5%

      ✔ 2. 0%

      ✗ 3. 12%

      ✗ 4. 18%

Question ID : **1499863593**
Status : **Answered**
Chosen Option : **3**

Q.14 In which year , India signed 'Bofors' deal with Sweden?

Ans   ✗ 1. 1984

      ✔ 2. 1986

      ✗ 3. 1980

      ✗ 4. 1987

Question ID : **1499863592**
Status : **Not Answered**
Chosen Option : **--**

Q.15 On 2nd January 2020, how many DRDO labs have been inaugurated by Prime Minister Narendra Modi?

Ans   ✗ 1. 6

      ✗ 2. 2

      ✗ 3. 1

      ✓ 4. 5

Section : **Quantitative Aptitude**

Q.1 Calculate the four numbers in a GP in which the difference of the 3rd and the 1st terms is 11 and the difference of the 4th and 2nd terms is 22.

Ans   ✗ 1. 11, 33/2, 22, and 77/2

      ✗ 2. 22/3, 55/6, 55/3 and 187/6

      ✗ 3. 22/3, 55/3, 110/3 and 187/3

      ✓ 4. 11/3, 22/3, 44/3 and 88/3

Q.2 A man returns ₹57,040 at a certain rate 8% in 3 years to his colleague. What will be the amount which he has borrowed from his colleague?

Ans   ✓ 1. ₹46,000

      ✗ 2. ₹76,000

      ✗ 3. ₹56,000

      ✗ 4. ₹66,000

Q.3 In a flower garden, there are three types of flower plants, namely 38 Guldawdi, 114 Chameli and 76 Surajmukhi. To find the minimum number of rows, the possible number of flower plants in a row will be

Ans   ✗ 1. 114

      ✓ 2. 38

      ✗ 3. 76

      ✗ 4. 19

Q.4 If the two parts of the amount ₹2,430 are in the ratio 4 : 5, then the two parts are:

Ans
✔ 1. ₹1,080 and ₹1,350
✘ 2. ₹1,000 and ₹1,350
✘ 3. ₹1,080 and ₹1,300
✘ 4. ₹980 and ₹1,350

Question ID : **1499863601**
Status : **Answered**
Chosen Option : **1**

Q.5 The HCF of the numbers 4.5, 50 and 75 is:

Ans
✘ 1. 0.3
✘ 2. 75
✔ 3. 0.5
✘ 4. 4.5

Question ID : **1499863599**
Status : **Answered**
Chosen Option : **3**

Q.6 The modulus of difference of the square of the roots of the quadratic equation $2x^2 - 25x + 77 = 0$ will be:

Ans
✘ 1. 18.78
✘ 2. 18.77
✔ 3. 18.75
✘ 4. 18.76

Question ID : **1499863613**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.7 A work is completed by Rohit in 36 days and by Smita in 24 days. If both work together, then the work is completed in $14\frac{2}{5}$ days. by what percentage is Smita more efficient than Rohit?

Ans
✔ 1. 50%
✘ 2. 40%
✘ 3. 20%
✘ 4. 30%

Question ID : **1499863607**
Status : **Answered**
Chosen Option : **3**

Q.8 If sinA = 4/5 and cosB = 3/5, then the value of sinAcosB – sinBcosA is:

Ans

✗ 1. 2

✓ 2. 0

✗ 3. 3

✗ 4. 1

Q.9 A shopkeeper decides to sell a table at a price with a profit of 35%. If the shopkeeper allows some discount on the price of the table, then the profit reduces to 25%. What is the discount percentage?

Ans

✗ 1. $\dfrac{200}{47}$%

✗ 2. $\dfrac{200}{57}$%

✓ 3. $\dfrac{200}{27}$%

✗ 4. $\dfrac{200}{37}$%

Q.10 A plane is flying at 100 metres altitude. A man from the plane observes two bikes in a straight line on the opposite sides of the plane on the ground with angles of depression as 30° and 45°. The distance between the bikes is:

Ans

✓ 1. $100(\sqrt{3}+1)$ m

✗ 2. $109(\sqrt{3}+1)$ m

✗ 3. $110(\sqrt{3}+1)$ m

✗ 4. $108(\sqrt{3}+1)$ m

Q.11 The price of petrol is ₹84 per litre and price of kerosene is ₹39 per litre. If the profit after selling the mixture at ₹90 per litre is 20%, what should be the ratio of petrol and kerosene in the mixture?

Ans
✔ 1. 1 : 4
✘ 2. 1 : 1
✘ 3. 1 : 2
✘ 4. 1 : 3

Question ID : **1499863605**
Status : **Not Answered**
Chosen Option : **--**

Q.12 If by selling a chair for ₹600, a man gains 25%, then the cost price of the chair is:

Ans
✔ 1. ₹480
✘ 2. ₹380
✘ 3. ₹580
✘ 4. ₹280

Question ID : **1499863603**
Status : **Answered**
Chosen Option : **1**

Q.13 The number of even prime factors in the factorisation of 48 is:

Ans
✘ 1. 4
✘ 2. 0
✔ 3. 1
✘ 4. 2

Question ID : **1499863612**
Status : **Answered**
Chosen Option : **1**

Q.14 Sarita takes 0.35 hours to reach her school. The distance of the school from her home is 28 km. What is Sarita's speed to cover the distance from her school to her home?

Ans
✘ 1. 70 km/hr
✔ 2. 80 km/hr
✘ 3. 90 km/hr
✘ 4. 95 km/hr

Question ID : **1499863606**
Status : **Answered**
Chosen Option : **2**

Q.15 The average marks obtained by 24 students in physics are 75. If the two lowest scores are not considered, then the average marks of the remaining students are 78. If one of the lowest score is 68, then what is the other score?
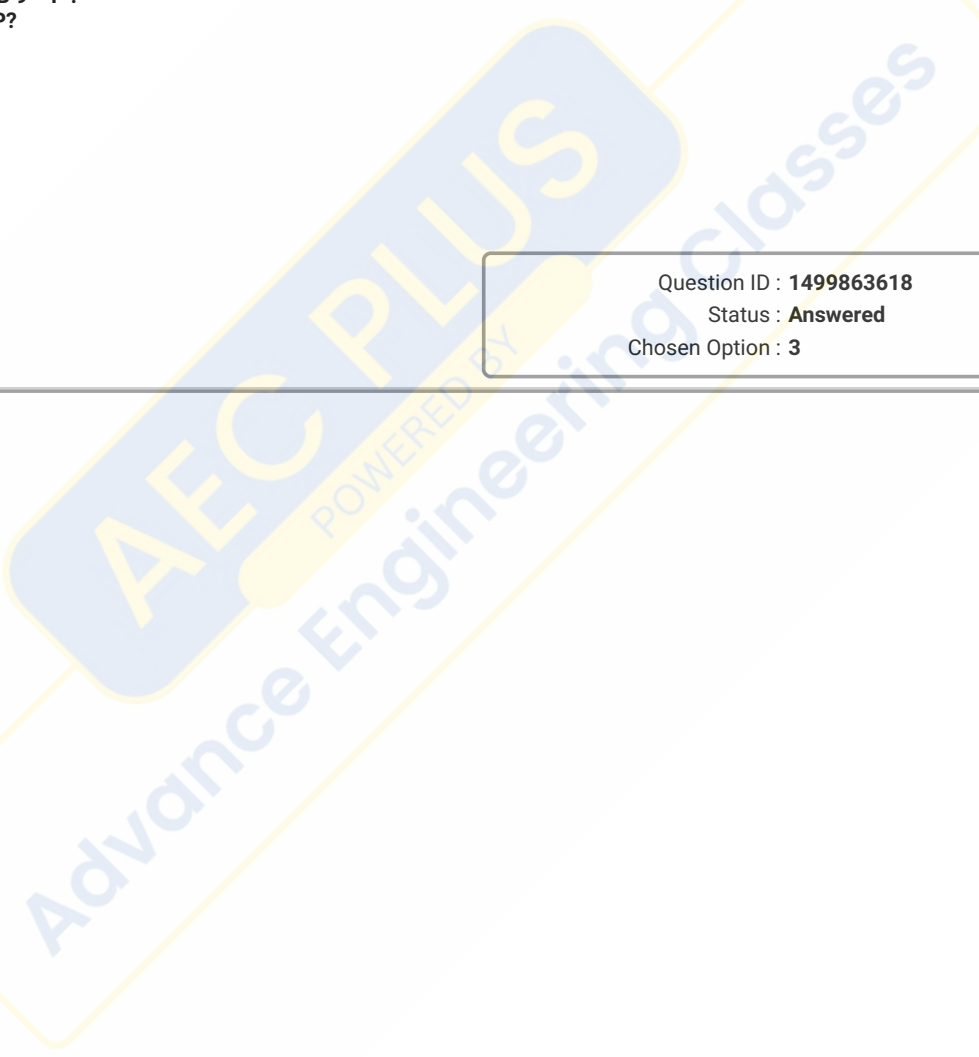
Ans ✗ 1. 14

  ✔ 2. 16

  ✗ 3. 17

  ✗ 4. 15

Question ID : **1499863608**
Status : **Answered**
Chosen Option : **2**

Section : **General Intelligence and Reasoning**

Q.1 **If A represents '+', K represents ' ×', B repesents ' ÷', L represents ' - ',**
then 15 K 3 A 57 L 18 B 9 = P .
What is the value of 5P?

Ans ✗ 1. 300

  ✗ 2. 100

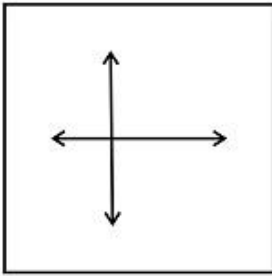 ✔ 3. 500

  ✗ 4. 400

Question ID : **1499863618**
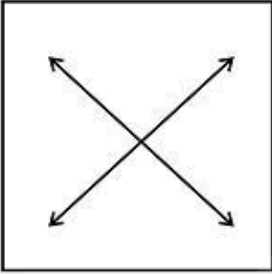Status : **Answered**
Chosen Option : **3**

Q.2 Out of the given options, three are similar in a certain manner. However, one option is NOT like the other three. Select the option which is different from the rest.
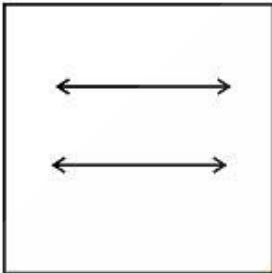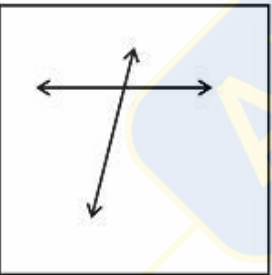
Ans

✗ 1.

✗ 2.

✔ 3.

✗ 4.

Q.3 The statements below are followed by two conclusions labeled 1 and 2. Assuming that the information in the statement is true, even if it appears to be at variance with generally established facts, decide which conclusion(s) logically and definitely follow(s) from the information given in the statement.

Give answer:
(A) If only conclusion I follows
(B) If only conclusion II follows
(C) If either I or II follows
(D) If both I and II follow.

STATEMENT : Violet colour has short wavelength.

CONCLUSION 1: The sky is blue in colour.
CONCLUSION 2: The colour is visible in the lower end of rainbow .

Ans
   ✘ 1. C

   ✘ 2. B

   ✔ 3. D

   ✘ 4. A

Question ID : **1499863614**
Status : **Answered**
Chosen Option : **2**

Q.4 Some equations are solved on the basis of some system. Using the same, solve the unsolved equation.
3 × 4 × 5 = 31625
4 × 5 × 6 = 42536
5 × 6 × 7 = 53649
6 × 7 × 8 = ?

Ans
   ✘ 1. 69336

   ✘ 2. 96636

   ✔ 3. 64964

   ✘ 4. 36498

Question ID : **1499863619**
Status : **Answered**
Chosen Option : **3**

Q.5 The letters given below, when are arranged, form an appropriate word.
A V S E B O R I N T O
What is the positon of letter A in the word formed?

Ans
   ✔ 1. 7

   ✘ 2. 8

   ✘ 3. 5

   ✘ 4. 1

Question ID : **1499863627**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.6 Arrange the following in a largest to smallest area wise:
1) Uttar Pradesh
2) Goa
3) Madhya Pradesh
4) Rajasthan

Ans ✖ 1. 1324

✖ 2. 4231

✖ 3. 1234

✔ 4. 4132

Question ID : **1499863625**
Status : **Answered**
Chosen Option : **1**

Q.7 Find the missing number in the following number series.

10	4	3
3	5	?
4	6	5

Ans ✔ 1. 8

✖ 2. 5

✖ 3. 15

✖ 4. 4

Question ID : **1499863626**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.8 A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.
15, 5, 17, 4, 19, ____

Ans ✖ 1. 20

✔ 2. 3

✖ 3. 21

✖ 4. 2

Question ID : **1499863616**
Status : **Answered**
Chosen Option : **2**

Q.9 In the given figure, Triangle represents DISTRICT, Circle represents VILLAGE and Rectangle represents CITY.
What does the shaded portion in given figure represent?
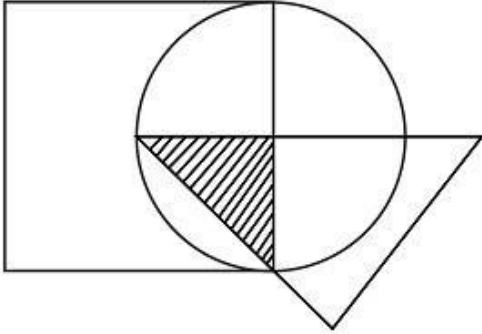
Ans

✔ 1. ALL OF THREE

✘ 2. DISTRICT, CITY

✘ 3. VILLAGE, DISTRICT

✘ 4. CITY, VILLAGE

Question ID : **1499863624**
Status : **Answered**
Chosen Option : **1**

Q.10 Which of the following represents the correct relation among the given words?
PROFIT, INCOME, BONUS

Ans

✗ 1.
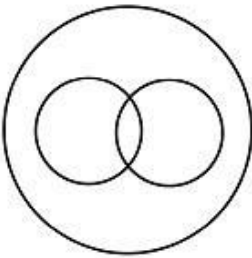
✗ 2.
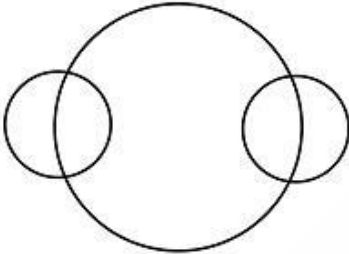
✗ 3.

✔ 4.
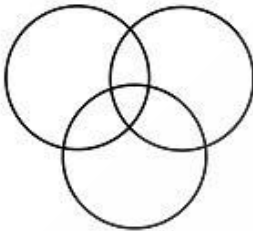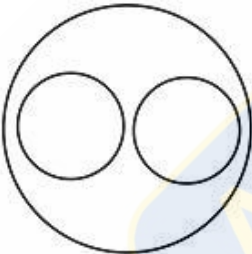
Question ID : **1499863623**
Status : **Answered**
Chosen Option : **4**

Q.11 Out of the given options, three are similar in a certain manner. However, one option is NOT like the other three. Select the option which is different from the rest.

Ans
✗ 1. Geometry

✗ 2. Algebra

✗ 3. Calculus

✔ 4. Optics

Question ID : **1499863620**
Status : **Answered**
Chosen Option : **4**

Q.12

Select the option that is related to the third number on the same basis as the second number is related to the first number.

5 : 36 :: 12 : ?

Ans ✗ 1. 125

✗ 2. 180

✔ 3. 169

✗ 4. 144

Question ID : **1499863621**
Status : **Answered**
Chosen Option : **3**

Q.13 Find the missing number in the following number series.
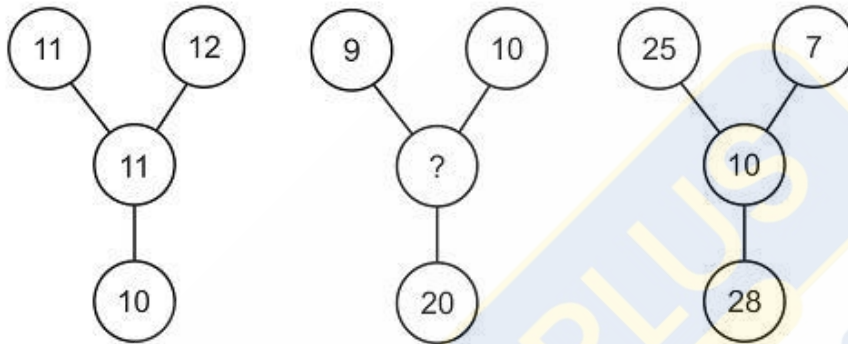
Ans ✗ 1. 22

✔ 2. 21

✗ 3. 25

✗ 4. 30

Question ID : **1499863628**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.14 A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

4, 10, 28, 82, ?

Ans ✗ 1. 256

✔ 2. 244

✗ 3. 245

✗ 4. 265

Question ID : **1499863617**
Status : **Answered**
Chosen Option : **2**

Q.15 In the question below, is given a statement followed by two conclusions numbered I and II. You have to assume everything in the statement to be true, then consider the two conclusions together and decide which of them logically follows beyond a reasonable doubt from the information given in the statement.

Give answer:

(A) If only conclusion I follows

(B) If only conclusion II follows

(C) If either I or II follows

(D) If both I and II follow.

STATEMENT :LED bulbs are preferred over incandescent bulbs.

CONCLUSION 1: They provide more brightness.

CONCLUSION 2: They are more eco friendly.

Ans

✗ 1. C

✗ 2. B

✗ 3. A

✔ 4. D

Question ID : **1499863615**

Status : **Answered**

Chosen Option : **4**

Section : **General English**

Comprehension:

Read the following passage and answer the questions given after it.

We are all born milk drinkers. Babies' guts produce the enzyme lactase, which break down lactose, the sugar in cow's milk, into the simpler sugars – glucose and galactose. But for the majority of humans, production of the enzyme lactase plummets after weaning.

From a human perspective – no, to go further than that, from a mammalian perspective – the norm is to be **able to tolerate your producing lactase and become lactose intolerant,"** said Adam Fox, a consultant paediatric allergist at Guy's and St Thomas' hospitals, and one of the UK's leading food allergy experts. "Then you've got a small group of humans that have a mutation which means they maintain production of lactase into adulthood. Northern Europeans, the Masai [in east Africa], some Arab groups as well. But that's the exception, not the rule."

That schism between milk-drinkers and the rest - actually a series of independent genetic mutations appears to have occurred about 10,000 years ago, around the time humans were domesticating farm animals. For lactose-intolerant people, a glass of milk can induce bloating, stomach pains and diarrhoea. (Lactose intolerance should not be - though often is - certified with cow's milk allergy, an immune response to the proteins in cow's milk that affects around 1% of UK adults.)

Even in northern Europe, milk as we know it is a recent phenomenon. Fresh milk, left unrefrigerated, spoils quickly and can harbor a variety of deadly pathogens, including E Coli and tuberculosis. For most of history milk was either consumed within moments of milking processed as cheese or yoghurt. Few drank milk in its liquid form. "The Romans considered it a sign of barbarism," said Mark Kurlansky, author of Milk! A 10,000-Year FoodFracas.

"The only people who drank milk were people on farms, because they were the only ones who could get it fresh enough." Even then, cow's milk "as considered inferior to alternatives such as goat or donkey. In the 19th century, **"swill milk"** - so-**called because cows were fed the filthy runoff from inner-city breweries, turning their milk blue - was linked with thou**sands of **infant deaths**. Only in the early 20th century, with the introduction of mandatory pasteurization - in which milk is heated to kill off any bacteria before bottling - did milk become safe enough for most people to drink regularly.)

SubQuestion No : 1

Q.1 The author points out that in the 19th century, swill milk was linked with thousands of infant deaths. Which ONE of the actions below would have, if familiar, been available and practicable for the people of that time, saved these children?

Ans   ✔️ 1. Feeding the cows, uncontaminated healthy food.

   ❌ 2. Bringing up inner city breweries

   ❌ 3. Treating lactose intolerance with medicines

   ❌ 4. Freezing the milk to remove the pollutants

Question ID : **1499863630**

Status : **Answered**

Chosen Option : **3**

Comprehension:

Read the following passage and answer the questions given after it.

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"The only people who drank milk were people on farms, because they were the only ones who could get it fresh enough." Even then, cow's milk "as considered inferior to alternatives such as goat or donkey. In the 19th century, **"swill milk"** - so-**called because cows were fed the filthy runoff from inner-city breweries, turning their milk blue - was linked with thou**sands of **infant deaths**. Only in the early 20th century, with the introduction of mandatory pasteurization - in which milk is heated to kill off any bacteria before bottling - did milk become safe enough for most people to drink regularly.)

SubQuestion No : 2

Q.2 **According to the passage, 'Lactose intolerance" is _____.**

Ans ❌ 1. experience and suffering problems in the digestive system

❌ 2. linked to discovery and propagation of plant milk

❌ 3. Human body not being able to accept cow's milk allergy.

✔️ 4. to be able to tolerate your lactase secretion

Question ID :	**1499863631**
Status :	**Answered**
Chosen Option :	**4**

Comprehension:

Read the following passage and answer the questions given after it.

We are all born milk drinkers. Babies' guts produce the enzyme lactase, which break down lactose, the sugar in cow's milk, into the simpler sugars – glucose and galactose. But for the majority of humans, production of the enzyme lactase plummets after weaning.

From a human perspective – no, to go further than that, from a mammalian perspective – the norm is to be **able to tolerate your producing lactase and become lactose intolerant,"** said Adam Fox, a consultant paediatric allergist at Guy's and St Thomas' hospitals, and one of the UK's leading food allergy experts. "Then you've got a small group of humans that have a mutation which means they maintain production of lactase into adulthood. Northern Europeans, the Masai [in east Africa], some Arab groups as well. But that's the exception, not the rule."

That schism between milk-drinkers and the rest - actually a series of independent genetic mutations appears to have occurred about 10,000 years ago, around the time humans were domesticating farm animals. For lactose-intolerant people, a glass of milk can induce bloating, stomach pains and diarrhoea. (Lactose intolerance should not be - though often is - certified with cow's milk allergy, an immune response to the proteins in cow's milk that affects around 1% of UK adults.)

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SubQuestion No : 3

Q.3 **What is this passage about?**

Ans   ✔️   1. Milk and lactose intolerance

      ❌   2. Why some adults develop milk intolerance

      ❌   3. Weaning and the plummeting enzyme lactase

      ❌   4. How pasteurized milk cured lactose intolerance

<div style="border:1px solid #000; padding:10px; text-align:center;">

Question ID : **1499863634**

Status : **Answered**

Chosen Option : **1**

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Comprehension:

Read the following passage and answer the questions given after it.

We are all born milk drinkers. Babies' guts produce the enzyme lactase, which break down lactose, the sugar in cow's milk, into the simpler sugars – glucose and galactose. But for the majority of humans, production of the enzyme lactase plummets after weaning.

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SubQuestion No : 4

Q.4 **From the understanding of the given passage, 'Most adults in India continue to have milk without suffering any of the issues outlined in the passage because _____.**

Ans   ✅ 1. they maintain production of lactase into adulthood

   ❌ 2. they have no other source of nutrients to nourish them

   ❌ 3. genetic mutation has helped reduce lactase production

   ❌ 4. they continue to live in farms and get fresh milk

Question ID : **1499863632**
Status : **Answered**
Chosen Option : **3**

Comprehension:

Read the following passage and answer the questions given after it.

We are all born milk drinkers. Babies' guts produce the enzyme lactase, which break down lactose, the sugar in cow's milk, into the simpler sugars – glucose and galactose. But for the majority of humans, production of the enzyme lactase plummets after weaning.

From a human perspective – no, to go further than that, from a mammalian perspective – the norm is to be **able to tolerate your producing lactase and become lactose intolerant,"** said Adam Fox, a consultant paediatric allergist at Guy's and St Thomas' hospitals, and one of the UK's leading food allergy experts. "Then you've got a small group of humans that have a mutation which means they maintain production of lactase into adulthood. Northern Europeans, the Masai [in east Africa], some Arab groups as well. But that's the exception, not the rule."

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SubQuestion No : 5

Q.5 According to the author in the passage, "More than 90% of adults in countries such as the UK, Sweden and Ireland can drink milk without suffering any ill effects" because _____.

Ans ✔️ 1. they have a history of domesticating farm animals

❌ 2. they always had pasteurized milk and avoided flesh milk

❌ 3. they have a lot of dairy products such as cheese and Yoghurt.

❌ 4. these countries were farmland before they became sophisticated cities

Question ID : **1499863633**
Status : **Answered**
Chosen Option : **1**

Q.6 Identify the segment in the sentence which contains the grammatical error from the given options. If there is no error, mark your answer as 'No error'.

It is us who are responsible for maintaining the law and order situation in the city.

Ans ❌ 1. No error

✔️ 2. It is us who are responsible

❌ 3. for maintaining the law and order

❌ 4. situation in the city.

Question ID : **1499863684**
Status : **Answered**
Chosen Option : **2**

Q.7 In the statement given below, a part of the sentence is highlighted bold. Out of the four options which follow, choose the one which best replaces the highlighted phrase.

I overheard him saying something to me when I was quit.

Ans ✘ 1. had about to quit

✔ 2. I was quiet

✘ 3. had been quitting

✘ 4. I was quite

Question ID : **1499863681**
Status : **Answered**
Chosen Option : **4**

Q.8 In the following questions, four sentences are given which may or may not be grammatically correct.From the given options, choose the grammatically incorrect sentence.

A. The plant is 25 percent more efficient than the previous waste-incineration facility.
B. In the wilder of Iran, the protection of species can be a matter of life or death
C. The idea of burning garbage has its critics.
D. The project was aimed at reducing food-packaging waste for astronauts.

Ans ✘ 1. C

✔ 2. B

✘ 3. A

✘ 4. D

Question ID : **1499863686**
Status : **Answered**
Chosen Option : **3**

Q.9 In the following sentence some parts in BOLD letters. Choose the better of the two alternatives for ever such part and then choose the best combination as your answer.

Marty is such a fanatic about seeds that she once counted all the seeds on a strawberry before she ate it; there (are(A)/were(B)) over 100 on it.
Marty was very critical of the cuisine, even though she (knows(A)/knew(B)) almost nothing about cooking.
Marty at the time was following a vegetarian diet, which (does(A)/did(B)) not include meat.

Ans ✘ 1. BAB

✔ 2. BBB

✘ 3. AAB

✘ 4. BBA

Question ID : **1499863651**
Status : **Answered**
Chosen Option : **1**

Q.10 Select the most appropriate SYNONYM of the given word.

Export

Ans   ✗ 1. Receive

     ✓ 2. Transmit

     ✗ 3. Purport

     ✗ 4. Support

Question ID : **1499863664**
Status : **Answered**
Chosen Option : **2**

Q.11 Identify the intensifier in the following sentence.

"Almost everything in the list was unbelievably expensive to buy."

Ans   ✗ 1. almost

     ✗ 2. buy

     ✓ 3. unbelievably

     ✗ 4. expensive

Question ID : **1499863638**
Status : **Answered**
Chosen Option : **3**

Q.12 Choose the most appropiate combination of preposition in the given sentences.

I. Ram is angry _____ Shyam's bad conduct.
II. Ram is angry _____ Shyam.
III. He is angry with me _____my remark.

Ans   ✗ 1. at-with-with

     ✗ 2. for-with-at

     ✓ 3. at-with-for

     ✗ 4. with-for-at

Question ID : **1499863640**
Status : **Answered**
Chosen Option : **3**

Q.13 Select the most appropriate ANTONYM of the given word.

Wild

Ans   ✗ 1. Unmanaged

     ✗ 2. Ferocious

     ✗ 3. Fierce

     ✓ 4. Tamed

Question ID : **1499863671**
Status : **Answered**
Chosen Option : **3**

Q.14 Identify the segment in the sentence which contains the grammatical error from the given options. If there is no error, mark your answer as 'No error'.

No sooner the teacher enter the classroom than the students stood up.

Ans ✗ 1. teacher enter the classroom

✓ 2. No sooner the

✗ 3. No error

✗ 4. than the students stood up.

Question ID : **1499863683**
Status : **Answered**
Chosen Option : **4**

Q.15 Fill in the blanks with grammatically correct option.

There's a mirror _____ the sink.

Ans ✗ 1. off

✗ 2. besides

✓ 3. above

✗ 4. into

Question ID : **1499863650**
Status : **Answered**
Chosen Option : **3**

Q.16 In the following question, out of the four alternatives, select the alternative which is the best substitute of the phrase.

Organisms capable of living on land and water.

Ans ✗ 1. Botanist

✓ 2. Amphibian

✗ 3. Aquatic

✗ 4. Parochial

Question ID : **1499863669**
Status : **Answered**
Chosen Option : **2**

Q.17 What is the adverb of degree used in the sentence below?

"I will reluctantly do it, but it may take a lot of time, so I will start rather immediately."

Ans ✗ 1. reluctantly

✓ 2. rather

✗ 3. immediately

✗ 4. a lot

Question ID : **1499863635**
Status : **Answered**
Chosen Option : **1**

Q.18 Choose the option that is the passive form of the sentence.

A campus fire in California caused the death of at least twenty-three persons.

Ans   ✔ 1. The death of at least twenty three persons was caused by a campus fire in California.

✘ 2. The death of at least twenty three persons caused a campus fire in California.

✘ 3. The death of at least twenty three persons will be caused in a campus fire in California.

✘ 4. At least twenty-three person's death was caused in a campus fire in California.

Question ID : **1499863662**
Status : **Answered**
Chosen Option : **1**

Q.19 A sentence with an underlined word is given below. Select the most appropriate ANTONYM for the underlined word from the given options.

The disease that once claimed millions of lives has now been <u>eradicated</u>.

Ans   ✘ 1. Eliminated

✘ 2. Removed

✘ 3. Thrown

✔ 4. Preserved

Question ID : **1499863672**
Status : **Answered**
Chosen Option : **4**

Q.20 Select the most appropriate meaning of the given idiom.

To be the Devil's advocate

Ans   ✘ 1. to represent an accused in a murder trial

✔ 2. to pretend to be against an idea or plan that a lot of people support

✘ 3. to present an argument in favor of a well-known evil man

✘ 4. to represent the devil as an advocate in witch trials

Question ID : **1499863679**
Status : **Answered**
Chosen Option : **2**

Q.21 Mitigators and Intensifiers act as which part of speech in a sentence?

Ans   ✘ 1. adjective

✘ 2. noun

✘ 3. subject

✔ 4. adverb

Question ID : **1499863637**
Status : **Answered**
Chosen Option : **2**

Q.22 What can adverbs of indefinite frequency do that adverbs of definite frequency cannot?

Ans   ✗ 1. modify adverbs

     ✗ 2. modify prepositional phrases

     ✓ 3. modify adjectives

     ✗ 4. modify verbs

Q.23 Select the most appropriate meaning of the given idiom.

Greek to me

Ans   ✗ 1. intangible

     ✗ 2. incredible

     ✗ 3. inevitable

     ✓ 4. incomprehensible

Q.24 Choose the option that is the active form of the sentence.

It was decided by the members that the report would be placed before the Chairman for his comments.

Ans   ✗ 1. The Chairman's comments were to be placed on the report of the members.

     ✓ 2. The members decided to place the report before the Chairman for his comments.

     ✗ 3. The Chairman decided to place the report before the members.

     ✗ 4. Did the members decide to place the report before the Chairman?

Q.25 In the following sentence some parts in BOLD letters. Choose the better of the two alternatives for ever such part and then choose the best combination as your answer.

It seems (A)/is seeming (B) to me that when she will(A)/nothing required(B) comes (A)/ come (B) we nothing required (A)/ will (B) have to talk nothing required (A)/ about (B) it together.

Ans   ✗ 1. BBAAB

     ✓ 2. AABBB

     ✗ 3. AABAA

     ✗ 4. BBBAA

Q.26 A sentence with an underlined word is given below. Select the most appropriate ANTONYM for the underlined word from the given options.

As you step into the air-conditioned office, there is an <u>abrupt</u> change in temperature.

Ans
1. Quick ✗
2. Gradual ✓
3. Sudden ✗
4. Immediate ✗

Question ID : **1499863673**
Status : **Answered**
Chosen Option : **2**

Q.27 Fill in the blanks with grammatically correct option.

When Lulu asked to see _____ wedding pictures, she didn't expect Annie to put on _____ twelve-hour slide show.

Ans
1. an, a ✗
2. the, the ✗
3. the, a ✓
4. a, a ✗

Question ID : **1499863648**
Status : **Answered**
Chosen Option : **3**

Q.28 In the following question a sentence is given in Direct/Indirect speech. Out of the four alternatives choose the one which best expresses the sentence in Indirect/Direct Speech.

Priya said, "The book is very interesting."

Ans
1. Priya said that the book has been very interesting. ✗
2. Priya said that the book is very interesting. ✗
3. Priya said that the book was very interesting. ✓
4. Priya said that the book was being very interesting ✗

Question ID : **1499863653**
Status : **Answered**
Chosen Option : **3**

Q.29 Select the most appropriate meaning of the given idiom.

Give someone the cold shoulder

Ans
1. serve cold meat to someone ✗
2. ignore or show indifference ✓
3. deny someone comforting clothes ✗
4. bury someone in freezing cold ✗

Question ID : **1499863677**
Status : **Not Attempted and Marked For Review**
Chosen Option : **--**

Q.30 Select the correct active form of the given sentence.

By whom were you taught Mathematics?

Ans   ✖ 1. Whom are you teaching Mathematics?

     ✖ 2. Who teaching you Mathematics?

     ✔ 3. Who taught you Mathematics?

     ✖ 4. Who teach you Mathematics?

Question ID : **1499863659**
Status : **Answered**
Chosen Option : **3**

Q.31 Choose the most appropiate combination of preposition in the given sentences.

I. I differ _____you.
II. India differs _____ Japan.

Ans   ✖ 1. with-with

     ✖ 2. from-with

     ✔ 3. with-from

     ✖ 4. from-from

Question ID : **1499863644**
Status : **Answered**
Chosen Option : **4**

Q.32 A sentence with an underlined word is given below. Select the most appropriate SYNONYM for the underlined word from the given options.

The statesman extolled the ambassador who single-handedly negotiated the peace treaty.

Ans   ✖ 1. Abused

     ✔ 2. Praised

     ✖ 3. Punished

     ✖ 4. Scolded

Question ID : **1499863663**
Status : **Answered**
Chosen Option : **4**

Q.33 Select the correct passive form of the given sentence.

They opened a new mall nearby last month.

Ans   ✖ 1. Nearby a new mall is opened last month.

     ✔ 2. A new mall was opened nearby last month.

     ✖ 3. A new mall can be open nearby last month.

     ✖ 4. A new mall will be opened nearby last month.

Question ID : **1499863660**
Status : **Answered**
Chosen Option : **2**

Q.34 Identify the segment in the sentence which contains the grammatical error from the given options. If there is no error, mark your answer as 'No error'.

She brings me flowers always when she comes to visit me.

Ans ✗ 1. She brings me flowers

✗ 2. No error

✗ 3. comes to visit me.

✔ 4. always when she

Question ID : **1499863682**
Status : **Answered**
Chosen Option : **1**

Q.35 Select the most appropriate SYNONYM of the given word.

Overlook

Ans ✗ 1. hinder

✔ 2. ignore

✗ 3. punish

✗ 4. sanction

Question ID : **1499863666**
Status : **Not Answered**
Chosen Option : **--**

Q.36 In the following questions, four sentences are given which may or may not be grammatically correct.From the given options, choose the grammatically incorrect sentence/sentences.

A. The responsive traffic lights have reduced vehicle transit time along the route.
B. The number of commercial drones may quadruple in U.S. skies by 2022.
C. The Japanese, it seems, are becoming more interested in watching whales than eating them.
D. Climate change is creating both winners and losers for whales.

Ans ✗ 1. A and B

✗ 2. B and C

✔ 3. All A,B,C and D

✗ 4. A, C and D

Question ID : **1499863689**
Status : **Answered**
Chosen Option : **4**

Q.37 In the following question a sentence is given in Direct/Indirect speech. Out of the four alternatives choose the one which best expresses the sentence in Indirect/Direct Speech.

Ram asked Krishna, "Where are you going today?"

Ans
  ✗ 1. Ram asked Krishna where was he going the next day

  ✗ 2. Ram asked Krishna where was he going the day before

  ✗ 3. Ram asked Krishna as to where he was going on the previous day

  ✔ 4. Ram asked Krishna where he was going that day

Q.38 In the following questions, four sentences are given which may or may not be grammatically correct.From the given options, choose the grammatically incorrect sentence/sentences.

A. North American ponds change drastically from summer to winter.
B. A lot of people who work long hours opt to adopt a cat instead of a dog.
C. Polar bears are an endangered species in Russia, and the federal government has refused to issue licenses to shoot them.
D. More than any other city creature, rats inspire fear and disgust.

Ans
  ✗ 1. C

  ✗ 2. B

  ✔ 3. All the given options are correct

  ✗ 4. A

Q.39 In the following sentence some parts in BOLD letters. Choose the better of the two alternatives for ever such part and then choose the best combination as your answer.

Despite I had (A)/having (B) very little(A)/few (B) time, I succeeded in finishing (A)/ to finish (B) that report before (A)/till(B) the end of January.

Ans
  ✗ 1. ABAB

  ✔ 2. BAAA

  ✗ 3. ABBA

  ✗ 4. AAAA

Q.40 Select the most appropriate meaning of the given idiom.

(To put one's) cards on the table

Ans ✗ 1. to deal a game of cards

✓ 2. to be honest

✗ 3. to be able to continue

✗ 4. to accept defeat

Question ID : **1499863678**
Status : **Answered**
Chosen Option : **4**

Q.41 In the following question a sentence is given in Direct/Indirect speech. Out of the four alternatives choose the one which best expresses the sentence in Indirect/Direct Speech.

"What did you see at the South Pole?" Ashok asked Anil.

Ans ✓ 1. Ashok asked Anil about what he had seen at the South Pole

✗ 2. Ashok asked Anil that he saw anything at the South Pole

✗ 3. Ashok asked Anil what did he see at the South Pole

✗ 4. Ashok asked Anil if he had seen something at the South Pole

Question ID : **1499863654**
Status : **Answered**
Chosen Option : **1**

Q.42 Choose the most appropiate combination of preposition in the given sentences.

I. He died _____ cholera.
II. He died _____ overwork.

Ans ✗ 1. from-from

✗ 2. from-of

✗ 3. of-of

✓ 4. of-from

Question ID : **1499863643**
Status : **Answered**
Chosen Option : **1**

Q.43 Select the most appropriate SYNONYM of the given word.

Expand

Ans ✓ 1. Augment

✗ 2. Condense

✗ 3. Shrink

✗ 4. Contract

Question ID : **1499863665**
Status : **Answered**
Chosen Option : **2**

Q.44 Which of the following is a non-grading adverb of degree?

Ans ✗ 1. very

✗ 2. extremely

✗ 3. rather

✔ 4. utterly

Q.45 In the following sentence some parts in BOLD letters. Choose the better of the two alternatives for ever such part and then choose the best combination as your answer.

(Peering(A)/Having peered(B)) at each interview subject, the researchers checked for discoloration.
One interview subject shrieked upon (hearing(A)/having heard(B)) the interviewer's comment about "teeth as yellow as sunflowers."
(Refusing(A)/Having refused(B)) to open her mouth, she glared silently at the interviewer.
With the market research on Green Teeth (completed(A)/having been completed(B)), the team tabulated the results.

Ans ✗ 1. AABB

✔ 2. AAAB

✗ 3. BBAA

✗ 4. ABAB

Q.46 In the following question a sentence is given in Direct/Indirect speech. Out of the four alternatives choose the one which best expresses the sentence in Indirect/Direct Speech.

The little boy said, "I wish it rains hard so that I don't have to go to school."

Ans ✗ 1. The little boy wished it rained hard so that he will not have to go to school.

✔ 2. The little boy earnestly wished that it rained hard so that he would not have to go to school.

✗ 3. The little boy wished it rained hard so that he would not have to go to school.

✗ 4. The little boy wished it rained hard so that he would not go to school.

Q.47 In the following questions, four sentences are given which may or may not be grammatically correct.From the given options, choose the grammatically incorrect sentence/sentences.

A. Twenty to thirty percent of the world's urban water supply is lost to leaking each year.
B. The passion she felt for the ambitious young man proved to be a weakness.
C. Schools and health centres are built from brick, slathered in concrete, and fitted with glass windows.
D. Tea is the second most popular drink in the world after water.

Ans ✗ 1. D

✔ 2. A

✗ 3. B

✗ 4. C

Question ID : **1499863685**
Status : **Answered**
Chosen Option : **2**

Q.48 Fill in the blank with the word given in the bracket using the correct prefix out of the given four options.

The manufacturers received thousands of complaints from _____ (satisfied) customers.

Ans ✗ 1. in

✔ 2. dis

✗ 3. al

✗ 4. im

Question ID : **1499863649**
Status : **Answered**
Chosen Option : **2**

Q.49 Choose the most appropiate combination of preposition in the given sentences.

I. He arrived _____ the railway colony.
II. He arrived_____ India.

Ans ✗ 1. in-at

✗ 2. at-at

✗ 3. in-in

✔ 4. at-in

Question ID : **1499863641**
Status : **Answered**
Chosen Option : **4**

Q.50 Select the correct active form of the given sentence.

He was given a book for his birthday.

Ans

✗ 1. She give a book to him for his birthday.

✓ 2. A book was given to him for his birthday.

✗ 3. She has gave him a book for his birthday.

✗ 4. She will be giving him a book for his birthday.

Question ID : **1499863658**
Status : **Not Answered**
Chosen Option : **--**

Q.51 In the following question a sentence is given in Direct/Indirect speech. Out of the four alternatives choose the one which best expresses the sentence in Indirect/Direct Speech.

He said, "Why didn't you send your application to me?"

Ans

✗ 1. He inquired why did I not send my application to him

✓ 2. He inquired why I / he had not sent my / his application to him

✗ 3. He inquired why had I not sent my application to him

✗ 4. He inquired why I did not send my application to him

Question ID : **1499863655**
Status : **Answered**
Chosen Option : **2**

Q.52 In the following sentence some parts in BOLD letters. Choose the better of the two alternatives for ever such part and then choose the best combination as your answer.

Resisting the urge to barf, Truffle ate (**bad(A)/badly(B)**), according to his doggie standards.
Truffle, who didn't feel (**good(A)/well(B)**), barked quite a bit that day.
Tired of the din, his owner confiscated the kibble and screamed, "(**Bad(A)/Badly(B)**) dog!

Ans

✗ 1. AAB

✗ 2. BBB

✗ 3. BAB

✓ 4. BBA

Question ID : **1499863647**
Status : **Answered**
Chosen Option : **4**

Q.53 In the following question, out of the four alternatives, select the alternative which is the best substitute of the phrase.

One who is hostile and aggressive

Ans

✗ 1. Sedentary

✗ 2. Legendary

✗ 3. Noisome

✓ 4. Belligerent

Question ID : **1499863668**
Status : **Answered**
Chosen Option : **4**

Q.54 Match the words with their meaning.

a. Hapless	1. Unfortunate
b. Impuissant	2. Mundane
c. Quotidian	3. Helpless

Ans ✗ 1. a - 2, b - 3, c - 1

✗ 2. a - 3, b - 1, c - 2

✓ 3. a - 1, b - 3, c - 2

✗ 4. a - 2, b - 1, c - 3

Q.55 Choose the most appropiate combination of preposition in the given sentences.

I. I cannot compete _____ the young man.
II. They compete _____ a prize.

Ans ✗ 1. for-with

✓ 2. with-for

✗ 3. with-with

✗ 4. for-for

Q.56 Select the most appropriate ANTONYM of the given word.

Nascent

Ans ✗ 1. Hiatus

✓ 2. Developed

✗ 3. Denial

✗ 4. Damp

Q.57 Select the most appropriate SYNONYM of the given word.

Amuse

Ans ✗ 1. divert

✓ 2. please

✗ 3. entice

✗ 4. engage

Question ID : **1499863667**

Status : **Not Answered**

Chosen Option : **--**

Q.58 In the statement given below, a part of the sentence is highlighted bold. Out of the four options which follow, choose the one which best replaces the highlighted phrase.

The teacher told us that the prize would be present the next day.

Ans ✗ 1. shall be presented tomorrow

✗ 2. should be presented tomorrow

✗ 3. would have been presented the next day

✓ 4. would be presented the next day

Question ID : **1499863680**

Status : **Answered**

Chosen Option : **4**

Q.59 In the following questions, four sentences are given which may or may not be grammatically correct. From the given options, choose the grammatically incorrect sentence.

A. There is also a push to recruit more rangers, in order to tackle poaching.
B. The Trident Underwater Drone is designed and manufactured by California-based OpenROV.
C. Hibernation gets a lot most interesting in the animal kingdom.
D. Humans mostly work by day; rats mostly work by night.

Ans ✗ 1. B

✗ 2. D

✗ 3. A

✓ 4. C

Question ID : **1499863687**

Status : **Answered**

Chosen Option : **4**

Q.60 Select the most appropriate antonym of the given word.
LIBERTY

Ans ✓ 1. slavery

✗ 2. reservation

✗ 3. freedom

✗ 4. autonomy

Question ID : **1499863675**

Status : **Answered**

Chosen Option : **1**