



पावर ग्रिड कॉर्पोरेशन ऑफ इंडिया लिमिटेड
(भारत सरकार का उद्यम)
POWER GRID CORPORATION OF INDIA LIMITED
(A Government of India Enterprise)

Participant ID	1175120195
Participant Name	NEERAJ KUMAR
Test Center Name	Pawan Ganga Educational Center 3
Test Date	05/12/2023
Test Time	4:30 PM - 6:30 PM
Subject	Diploma Trainee Electrical

Section : Electrical Engineering

Q.1 The principle on which a DC generator operates is _____.

- Ans 1. Faraday's law of electromagnetic induction
 2. Kirchoff's voltage law
 3. Ohm's law
 4. Ampere's law

Question ID : 630680485713
Option 1 ID : 6306801897067
Option 2 ID : 6306801897070
Option 3 ID : 6306801897068
Option 4 ID : 6306801897069
Status : Answered
Chosen Option : 1

Q.2 Which type of error is caused by the aging of an instrument?

- Ans 1. Gross error
 2. Absolute error
 3. Random error
 4. Systematic error

Question ID : 630680485703
Option 1 ID : 6306801897027
Option 2 ID : 6306801897030
Option 3 ID : 6306801897029
Option 4 ID : 6306801897028
Status : Answered
Chosen Option : 4

Q.3 For maximum power transfer in AC circuits, the load impedance should be _____.

- Ans
- 1. Half of source impedance
 - 2. Double of source impedance
 - 3. Conjugate of source impedance
 - 4. Equal to source impedance

Question ID : 630680485693
Option 1 ID : 6306801896989
Option 2 ID : 6306801896990
Option 3 ID : 6306801896988
Option 4 ID : 6306801896987
Status : Answered
Chosen Option : 3

Q.4 Francis turbines are best suited for _____.

- Ans
- 1. Very high head and very low flow rates
 - 2. Medium head and medium flow rates
 - 3. Low head and high flow rates
 - 4. High head and low flow rates

Question ID : 630680485746
Option 1 ID : 6306801897202
Option 2 ID : 6306801897201
Option 3 ID : 6306801897199
Option 4 ID : 6306801897200
Status : Answered
Chosen Option : 2

Q.5 Which component in a CSP plant focuses sunlight onto a target?

- Ans
- 1. Photovoltaic cell
 - 2. Inverter
 - 3. Battery storage
 - 4. Mirror or lens

Question ID : 630680485748
Option 1 ID : 6306801897207
Option 2 ID : 6306801897208
Option 3 ID : 6306801897210
Option 4 ID : 6306801897209
Status : Answered
Chosen Option : 4

Q.6 Differential protection of a bus bar is based on the principle of _____.

- Ans
- 1. Comparison of incoming and outgoing currents
 - 2. Current grading
 - 3. Voltage grading
 - 4. Time grading

Question ID : 630680485805
Option 1 ID : 6306801897437
Option 2 ID : 6306801897436
Option 3 ID : 6306801897438
Option 4 ID : 6306801897435
Status : Answered
Chosen Option : 1

Q.7 The order of a system is determined by:

- Ans
- 1. Number of input signals
 - 2. Number of output signals
 - 3. Number of feedback loops
 - 4. Highest power of 's' in its transfer function

Question ID : 630680485786
Option 1 ID : 6306801897361
Option 2 ID : 6306801897362
Option 3 ID : 6306801897359
Option 4 ID : 6306801897360
Status : Answered
Chosen Option : 4

Q.8 A purely resistive AC circuit has a power factor of _____.

- Ans
- 1. 0.5
 - 2. Infinite
 - 3. 0
 - 4. 1

Question ID : 630680485695
Option 1 ID : 6306801896996
Option 2 ID : 6306801896998
Option 3 ID : 6306801896995
Option 4 ID : 6306801896997
Status : Answered
Chosen Option : 4

Q.9 The dynamometer type wattmeter operates on the principle of _____.

- Ans
- 1. Electrostatic induction
 - 2. Mutual induction
 - 3. Electromagnetic induction
 - 4. Self induction

Question ID : 630680485704
Option 1 ID : 6306801897034
Option 2 ID : 6306801897031
Option 3 ID : 6306801897033
Option 4 ID : 6306801897032
Status : Answered
Chosen Option : 3

Q.10 According to Faraday's first law of electromagnetic induction, the induced electromotive force in any closed circuit is equal to:

- Ans
- 1. The total magnetic flux through the circuit
 - 2. The current flowing through the circuit
 - 3. The rate of change of the magnetic flux through the circuit
 - 4. The resistance of the circuit

Question ID : 630680485799
Option 1 ID : 6306801897412
Option 2 ID : 6306801897414
Option 3 ID : 6306801897411
Option 4 ID : 6306801897413
Status : Answered
Chosen Option : 3

Q.11 What is the primary factor affecting the inductance of a transmission line?

- Ans 1. Conductor material
 2. Temperature of the surrounding environment
 3. Frequency of the signal
 4. Length of the transmission line

Question ID : 630680485755
Option 1 ID : 6306801897236
Option 2 ID : 6306801897238
Option 3 ID : 6306801897235
Option 4 ID : 6306801897237
Status : Answered
Chosen Option : 3

Q.12 What does Norton's theorem help determine the equivalent of?

- Ans 1. Current Source
 2. Resistance
 3. Capacitance
 4. Voltage Source

Question ID : 630680485692
Option 1 ID : 6306801896984
Option 2 ID : 6306801896985
Option 3 ID : 6306801896986
Option 4 ID : 6306801896983
Status : Answered
Chosen Option : 1

Q.13 In node analysis, which element is taken as a reference?

- Ans 1. Highest voltage node
 2. Node with maximum branches
 3. Node with minimum branches
 4. Ground or zero voltage node

Question ID : 630680485691
Option 1 ID : 6306801896979
Option 2 ID : 6306801896981
Option 3 ID : 6306801896982
Option 4 ID : 6306801896980
Status : Answered
Chosen Option : 4

Q.14 The VVVF method of speed control stands for:

- Ans 1. Very Voltage Very Frequency
 2. Voltage Vector and Frequency Factor
 3. Voltage Variation and Frequency Fixation
 4. Variable Voltage Variable Frequency

Question ID : 630680485734
Option 1 ID : 6306801897152
Option 2 ID : 6306801897154
Option 3 ID : 6306801897153
Option 4 ID : 6306801897151
Status : Answered
Chosen Option : 4

Q.15 In a two-port network, the open-circuit impedance parameter Z11 represents _____.

- Ans
- 1. Transfer impedance from input to output
 - 2. Transfer impedance from output to input
 - 3. Input impedance with output open-circuited
 - 4. Output impedance with input open-circuited

Question ID : 630680485697
Option 1 ID : 6306801897005
Option 2 ID : 6306801897006
Option 3 ID : 6306801897003
Option 4 ID : 6306801897004
Status : Answered
Chosen Option : 3

Q.16 What is the formula for calculating the transmission efficiency of short transmission lines?

- Ans
- 1. Efficiency = (Received power / Transmitted power) × 100
 - 2. Efficiency = 1 - (Received power / Transmitted power)
 - 3. Efficiency = Transmitted power / Received power
 - 4. Efficiency = (Transmitted power - Received power) / Transmitted power

Question ID : 630680485760
Option 1 ID : 6306801897255
Option 2 ID : 6306801897258
Option 3 ID : 6306801897256
Option 4 ID : 6306801897257
Status : Answered
Chosen Option : 1

Q.17 For an application requiring high starting torque and low starting current, which type of motor is most suitable?

- Ans
- 1. Squirrel cage induction motor
 - 2. Capacitor start motor
 - 3. Slip ring induction motor
 - 4. Synchronous motor

Question ID : 630680485733
Option 1 ID : 6306801897150
Option 2 ID : 6306801897149
Option 3 ID : 6306801897148
Option 4 ID : 6306801897147
Status : Answered
Chosen Option : 3

Q.18 For a sinusoidal waveform, the RMS value is approximately what fraction of the peak value?

- Ans
- 1. 0.5
 - 2. 0.707
 - 3. 1
 - 4. 0.9

Question ID : 630680485774
Option 1 ID : 6306801897311
Option 2 ID : 6306801897312
Option 3 ID : 6306801897314
Option 4 ID : 6306801897313
Status : Answered
Chosen Option : 2

Q.19 The load angle in a synchronous motor indicates the angle between _____.

- Ans
- 1. Rotor magnetic field and supply voltage
 - 2. Supply voltage and rotor current
 - 3. Rotor and stator magnetic fields
 - 4. Stator magnetic field and rotor current

Question ID : 630680485736
Option 1 ID : 6306801897161
Option 2 ID : 6306801897160
Option 3 ID : 6306801897159
Option 4 ID : 6306801897162
Status : Answered
Chosen Option : 3

Q.20 In a power system, reactive power is primarily due to _____.

- Ans
- 1. Inductive loads
 - 2. Resistive loads
 - 3. Purely active loads
 - 4. Capacitive loads

Question ID : 630680485705
Option 1 ID : 6306801897037
Option 2 ID : 6306801897035
Option 3 ID : 6306801897038
Option 4 ID : 6306801897036
Status : Answered
Chosen Option : 1

Q.21 Which test signal is used to determine the steady-state error of a system?

- Ans
- 1. Sinusoidal Signal
 - 2. Impulse Signal
 - 3. Ramp Signal
 - 4. Step Signal

Question ID : 630680485785
Option 1 ID : 6306801897358
Option 2 ID : 6306801897355
Option 3 ID : 6306801897356
Option 4 ID : 6306801897357
Status : Answered
Chosen Option : 4

Q.22 In a water-tube boiler, water flows inside the _____.

- Ans
- 1. Outer shell only
 - 2. Combustion chamber
 - 3. Tubes and hot gases surround them
 - 4. Tubes and cold gases surround them

Question ID : 630680485740
Option 1 ID : 6306801897178
Option 2 ID : 6306801897175
Option 3 ID : 6306801897176
Option 4 ID : 6306801897177
Status : Answered
Chosen Option : 3

Q.23 Which diode is specifically designed to operate in the reverse breakdown region?

- Ans 1. Zener Diode
 2. Tunnel Diode
 3. Schottky Diode
 4. Light Emitting Diode

Question ID : 630680485773
Option 1 ID : 6306801897307
Option 2 ID : 6306801897310
Option 3 ID : 6306801897309
Option 4 ID : 6306801897308
Status : Answered
Chosen Option : 1

Q.24 What is a primary consideration in the design of street lighting?

- Ans 1. Distance between poles
 2. Height of nearby buildings
 3. Colour of the light
 4. Aesthetic appeal

Question ID : 630680485769
Option 1 ID : 6306801897292
Option 2 ID : 6306801897294
Option 3 ID : 6306801897293
Option 4 ID : 6306801897291
Status : Answered
Chosen Option : 1

Q.25 Which type of motor is specifically designed for precise control of angular position?

- Ans 1. Servomotor
 2. Induction Motor
 3. Synchronous Motor
 4. DC Motor

Question ID : 630680485783
Option 1 ID : 6306801897348
Option 2 ID : 6306801897347
Option 3 ID : 6306801897349
Option 4 ID : 6306801897350
Status : Answered
Chosen Option : 1

Q.26 Wind power density is directly proportional to _____.

- Ans 1. Wind speed cubed
 2. Square root of wind speed
 3. Wind speed
 4. Wind speed squared

Question ID : 630680485750
Option 1 ID : 6306801897217
Option 2 ID : 6306801897218
Option 3 ID : 6306801897215
Option 4 ID : 6306801897216
Status : Answered
Chosen Option : 2

Q.27 Given a single-phase transformer with a turns ratio of 10:1, a primary voltage of 220V, and a frequency of 50Hz, if the flux in the core is sinusoidal and has a maximum value of 0.02 Wb, what is the peak value of the induced EMF in the secondary winding?

- Ans
- 1. 314V
 - 2. 2200V
 - 3. 628V
 - 4. 440V

Question ID : 630680485722
Option 1 ID : 6306801897105
Option 2 ID : 6306801897104
Option 3 ID : 6306801897106
Option 4 ID : 6306801897103
Status : Answered
Chosen Option : 2

Q.28 What is the purpose of calculating string efficiency in transmission lines?

- Ans
- 1. To determine the capacitance
 - 2. To calculate inductance
 - 3. To optimize conductor material
 - 4. To minimize line losses

Question ID : 630680485763
Option 1 ID : 6306801897270
Option 2 ID : 6306801897269
Option 3 ID : 6306801897267
Option 4 ID : 6306801897268
Status : Answered
Chosen Option : 4

Q.29 Which technique involves combining blocks in series or parallel to simplify a block diagram?

- Ans
- 1. Routh-Hurwitz Criterion
 - 2. Mason's Gain Formula
 - 3. Block Diagram Reduction
 - 4. Nyquist Stability Criterion

Question ID : 630680485782
Option 1 ID : 6306801897344
Option 2 ID : 6306801897343
Option 3 ID : 6306801897345
Option 4 ID : 6306801897346
Status : Answered
Chosen Option : 2

Q.30 Which factor is essential in the design of HT LT overhead lines?

- Ans
- 1. Proximity to birds' nests
 - 2. Distance from the ground
 - 3. Colour of insulators
 - 4. Nearby vegetation type

Question ID : 630680485770
Option 1 ID : 6306801897295
Option 2 ID : 6306801897296
Option 3 ID : 6306801897297
Option 4 ID : 6306801897298
Status : Answered
Chosen Option : 2

Q.31 Which method is commonly used for the measurement of low resistances?

- Ans
- 1. Wheatstone bridge method
 - 2. Ohm's law method
 - 3. Megger method
 - 4. Kelvin's double bridge method

Question ID : 630680485707
Option 1 ID : 6306801897045
Option 2 ID : 6306801897043
Option 3 ID : 6306801897046
Option 4 ID : 6306801897044
Status : Answered
Chosen Option : 4

Q.32 The primary purpose of a current transformer (CT) is to _____.

- Ans
- 1. Convert high current to a lower value
 - 2. Convert low current to a higher value
 - 3. Step up voltage
 - 4. Step down voltage

Question ID : 630680485712
Option 1 ID : 6306801897065
Option 2 ID : 6306801897066
Option 3 ID : 6306801897063
Option 4 ID : 6306801897064
Status : Answered
Chosen Option : 1

Q.33 For parallel operation of transformers, which of the following conditions is NOT essential?

- Ans
- 1. Same frequency
 - 2. Same polarity
 - 3. Same kVA rating
 - 4. Same voltage ratio

Question ID : 630680485728
Option 1 ID : 6306801897129
Option 2 ID : 6306801897130
Option 3 ID : 6306801897128
Option 4 ID : 6306801897127
Status : Answered
Chosen Option : 1

Q.34 Plant capacity factor is the ratio of _____.

- Ans
- 1. Actual energy produced to the maximum possible energy
 - 2. Maximum possible energy to the actual energy produced
 - 3. Average energy to the actual energy
 - 4. Actual energy to the average energy

Question ID : 630680485754
Option 1 ID : 6306801897231
Option 2 ID : 6306801897232
Option 3 ID : 6306801897234
Option 4 ID : 6306801897233
Status : Answered
Chosen Option : 1

Q.35 Armature reaction in a DC generator primarily affects:

- Ans
- 1. Efficiency
 - 2. Power factor
 - 3. Generated voltage
 - 4. Speed of the generator

Question ID : 630680485715
Option 1 ID : 6306801897078
Option 2 ID : 6306801897077
Option 3 ID : 6306801897075
Option 4 ID : 6306801897076
Status : Answered
Chosen Option : 3

Q.36 The primary purpose of a surge tank in a hydroelectric power plant is to _____.

- Ans
- 1. Reduce water hammer effect in the penstock
 - 2. Store water for future use
 - 3. Increase the efficiency of the turbine
 - 4. Generate additional power

Question ID : 630680485747
Option 1 ID : 6306801897204
Option 2 ID : 6306801897203
Option 3 ID : 6306801897205
Option 4 ID : 6306801897206
Status : Answered
Chosen Option : 1

Q.37 The back e.m.f. in a DC motor opposes the:

- Ans
- 1. Supply voltage
 - 2. Armature current
 - 3. Field current
 - 4. Load current

Question ID : 630680485716
Option 1 ID : 6306801897079
Option 2 ID : 6306801897080
Option 3 ID : 6306801897081
Option 4 ID : 6306801897082
Status : Answered
Chosen Option : 1

Q.38 The e.m.f. generated in a DC generator can be increased by:

- Ans
- 1. Increasing the speed of the generator
 - 2. Decreasing the flux per pole
 - 3. Decreasing the number of turns in the coil
 - 4. Using a smaller coil

Question ID : 630680485714
Option 1 ID : 6306801897073
Option 2 ID : 6306801897072
Option 3 ID : 6306801897071
Option 4 ID : 6306801897074
Status : Answered
Chosen Option : 1

Q.39 In mesh analysis, which of the following is true?

- Ans
- 1. Only outer loops are considered.
 - 2. Both inner and outer loops are considered.
 - 3. Only one loop is considered at a time.
 - 4. All loops are considered simultaneously.

Question ID : 630680485690
Option 1 ID : 6306801896977
Option 2 ID : 6306801896978
Option 3 ID : 6306801896975
Option 4 ID : 6306801896976
Status : Answered
Chosen Option : 3

Q.40 When reducing a block diagram, which of the following is NOT a basic configuration?

- Ans
- 1. Feedback Configuration
 - 2. Diagonal Configuration
 - 3. Parallel Configuration
 - 4. Series Configuration

Question ID : 630680485787
Option 1 ID : 6306801897365
Option 2 ID : 6306801897366
Option 3 ID : 6306801897364
Option 4 ID : 6306801897363
Status : Answered
Chosen Option : 2

Q.41 Which component in an elevator control system primarily determines the elevator's direction and speed?

- Ans
- 1. Microcontroller
 - 2. Door sensor
 - 3. Floor button
 - 4. Relay

Question ID : 630680485780
Option 1 ID : 6306801897337
Option 2 ID : 6306801897335
Option 3 ID : 6306801897336
Option 4 ID : 6306801897338
Status : Not Answered
Chosen Option : --

Q.42 The overall efficiency of a steam power plant is defined as the ratio of _____.

- Ans
- 1. Electrical energy output to the mechanical energy input
 - 2. Mechanical energy output to the heat energy input
 - 3. Heat energy output to the electrical energy input
 - 4. Electrical energy output to the heat energy input

Question ID : 630680485739
Option 1 ID : 6306801897172
Option 2 ID : 6306801897171
Option 3 ID : 6306801897174
Option 4 ID : 6306801897173
Status : Answered
Chosen Option : 1

Q.43 The rectifier type AC voltmeter is used to measure _____.

- Ans
- 1. Peak value
 - 2. Average value
 - 3. Peak-to-peak value
 - 4. RMS value

Question ID : 630680485711
Option 1 ID : 6306801897059
Option 2 ID : 6306801897061
Option 3 ID : 6306801897062
Option 4 ID : 6306801897060
Status : Answered
Chosen Option : 2

Q.44 Which bridge is used for the measurement of inductance?

- Ans
- 1. Wheatstone bridge
 - 2. Kelvin's bridge
 - 3. Maxwell's bridge
 - 4. Anderson's bridge

Question ID : 630680485708
Option 1 ID : 6306801897049
Option 2 ID : 6306801897048
Option 3 ID : 6306801897047
Option 4 ID : 6306801897050
Status : Answered
Chosen Option : 3

Q.45 A real-world voltage source that has some internal resistance is termed as:

- Ans
- 1. Independent voltage source
 - 2. Dependent voltage source
 - 3. Ideal voltage source
 - 4. Non-ideal voltage source

Question ID : 630680485775
Option 1 ID : 6306801897318
Option 2 ID : 6306801897317
Option 3 ID : 6306801897315
Option 4 ID : 6306801897316
Status : Answered
Chosen Option : 4

Q.46 Which type of FET is normally ON when the gate-source voltage is zero?

- Ans
- 1. Depletion-mode MOSFET
 - 2. Enhancement-mode MOSFET
 - 3. MOSFET
 - 4. JFET

Question ID : 630680485772
Option 1 ID : 6306801897306
Option 2 ID : 6306801897305
Option 3 ID : 6306801897304
Option 4 ID : 6306801897303
Status : Answered
Chosen Option : 1

Q.47 What is the result of the inverse Laplace transform of $F(s) = 1/s$?

- Ans
- 1. e^{-at}
 - 2. $u(t)$
 - 3. $\cos(at)$
 - 4. $\sin(at)$

Question ID : 630680485700
Option 1 ID : 6306801897016
Option 2 ID : 6306801897015
Option 3 ID : 6306801897018
Option 4 ID : 6306801897017
Status : Answered
Chosen Option : 2

Q.48 In electric traction, the purpose of sectioning is to _____.

- Ans
- 1. Reduce the current flow
 - 2. Improve the efficiency
 - 3. Divide the overhead equipment into sections
 - 4. Increase the voltage

Question ID : 630680485793
Option 1 ID : 6306801897389
Option 2 ID : 6306801897390
Option 3 ID : 6306801897388
Option 4 ID : 6306801897387
Status : Answered
Chosen Option : 3

Q.49 Which principle ensures safety against electric shock during electrical installations?

- Ans
- 1. Wearing a helmet during installations
 - 2. Insulation of live parts
 - 3. Keeping a first aid kit nearby
 - 4. Using a flashlight in dark areas

Question ID : 630680485766
Option 1 ID : 6306801897280
Option 2 ID : 6306801897279
Option 3 ID : 6306801897282
Option 4 ID : 6306801897281
Status : Answered
Chosen Option : 2

Q.50 Which of the following statements best describes the Corona effect in Extra High Voltage (EHV) transmission lines?

- Ans 1. It is the phenomenon where a bluish glow appears along with a hissing noise around the conductors.
2. It is the effect where the transmission line starts to resonate at its natural frequency due to external disturbances.
3. It is the effect where the transmission line heats up excessively due to high current flow.
4. It is the phenomenon where the insulation of the transmission line gets permanently damaged due to high voltage.

Question ID : 630680485788
Option 1 ID : 6306801897368
Option 2 ID : 6306801897369
Option 3 ID : 6306801897370
Option 4 ID : 6306801897367
Status : Answered
Chosen Option : 1

Q.51 The demand factor is the ratio of ____.

- Ans 1. Connected load to maximum demand
2. Average load to connected load
3. Maximum demand to connected load
4. Connected load to average load

Question ID : 630680485752
Option 1 ID : 6306801897224
Option 2 ID : 6306801897225
Option 3 ID : 6306801897223
Option 4 ID : 6306801897226
Status : Answered
Chosen Option : 3

Q.52 Instrument systems can be classified based on ____.

- Ans 1. Weight
2. Colour
3. Function and response
4. Size

Question ID : 630680485701
Option 1 ID : 6306801897022
Option 2 ID : 6306801897019
Option 3 ID : 6306801897021
Option 4 ID : 6306801897020
Status : Answered
Chosen Option : 3

Q.53 When a synchronous motor is on load with constant excitation, an increase in load will

- Ans
- 1. Decrease the power factor
 - 2. Increase the power factor
 - 3. Not affect the power factor
 - 4. Make the motor run asynchronously

Question ID : 630680485737
Option 1 ID : 6306801897163
Option 2 ID : 6306801897164
Option 3 ID : 6306801897165
Option 4 ID : 6306801897166
Status : Answered
Chosen Option : 1

Q.54 In a transmission line, the proximity effect is more pronounced when:

- Ans
- 1. The conductors are closely spaced and the frequency is high.
 - 2. The conductors are closely spaced and the frequency is low.
 - 3. The conductors are spaced far apart and the frequency is high.
 - 4. The conductors are spaced far apart and the frequency is low.

Question ID : 630680485756
Option 1 ID : 6306801897242
Option 2 ID : 6306801897240
Option 3 ID : 6306801897241
Option 4 ID : 6306801897239
Status : Answered
Chosen Option : 1

Q.55 In an AC locomotive, the primary source of power is derived from _____.

- Ans
- 1. Diesel engine
 - 2. Ground rails
 - 3. Overhead lines
 - 4. Batteries

Question ID : 630680485795
Option 1 ID : 6306801897396
Option 2 ID : 6306801897398
Option 3 ID : 6306801897397
Option 4 ID : 6306801897395
Status : Answered
Chosen Option : 3

Q.56 In industrial installations, what design consideration is vital for machinery?

- Ans
- 1. Adequate power supply
 - 2. Colour coordination
 - 3. Proximity to windows
 - 4. Distance from the main gate

Question ID : 630680485768
Option 1 ID : 6306801897289
Option 2 ID : 6306801897290
Option 3 ID : 6306801897287
Option 4 ID : 6306801897288
Status : Answered
Chosen Option : 1

Q.57 A differential relay operates when the difference between the currents in its two coils exceeds?

- Ans
- 1. Zero
 - 2. A preset value
 - 3. 100% of rated current
 - 4. 50% of rated current

Question ID : 630680485806
Option 1 ID : 6306801897442
Option 2 ID : 6306801897439
Option 3 ID : 6306801897441
Option 4 ID : 6306801897440
Status : Answered
Chosen Option : 2

Q.58 What is the formula to calculate the receiving end voltage of a distributor?

- Ans
- 1. Receiving End Voltage = Voltage Drop / Sending End Voltage
 - 2. Receiving End Voltage = Sending End Voltage \times Voltage Drop
 - 3. Receiving End Voltage = Sending End Voltage - Voltage Drop
 - 4. Receiving End Voltage = Sending End Voltage + Voltage Drop

Question ID : 630680485765
Option 1 ID : 6306801897278
Option 2 ID : 6306801897277
Option 3 ID : 6306801897276
Option 4 ID : 6306801897275
Status : Answered
Chosen Option : 3

Q.59 How is the voltage regulation of a short transmission line typically determined?

- Ans
- 1. By analyzing transient conditions
 - 2. By measuring the line length
 - 3. By considering the line's impedance
 - 4. By measuring the conductor diameter

Question ID : 630680485759
Option 1 ID : 6306801897252
Option 2 ID : 6306801897251
Option 3 ID : 6306801897253
Option 4 ID : 6306801897254
Status : Answered
Chosen Option : 1

Q.60 The synchronous motor runs at a speed that is synchronized with _____.

- Ans
- 1. Rotor speed
 - 2. Stator speed
 - 3. Supply frequency
 - 4. Load torque

Question ID : 630680485735
Option 1 ID : 6306801897157
Option 2 ID : 6306801897158
Option 3 ID : 6306801897155
Option 4 ID : 6306801897156
Status : Answered
Chosen Option : 1

Q.61 PMMC (Permanent magnet moving coil) instruments are suitable for _____.

- Ans
- 1. Neither AC nor DC
 - 2. Both AC and DC
 - 3. AC measurements
 - 4. DC measurements

Question ID : 630680485706
Option 1 ID : 6306801897042
Option 2 ID : 6306801897041
Option 3 ID : 6306801897039
Option 4 ID : 6306801897040
Status : Answered
Chosen Option : 4

Q.62 The equivalent resistance of a transformer is used to calculate:

- Ans
- 1. Copper losses
 - 2. Power factor
 - 3. Core losses
 - 4. Efficiency

Question ID : 630680485725
Option 1 ID : 6306801897116
Option 2 ID : 6306801897118
Option 3 ID : 6306801897115
Option 4 ID : 6306801897117
Status : Answered
Chosen Option : 1

Q.63 When calculating the sag in a transmission line, which factor is considered?

- Ans
- 1. Atmospheric pressure
 - 2. Temperature of the conductor
 - 3. Conductor material
 - 4. Line length

Question ID : 630680485762
Option 1 ID : 6306801897265
Option 2 ID : 6306801897266
Option 3 ID : 6306801897263
Option 4 ID : 6306801897264
Status : Answered
Chosen Option : 4

Q.64 In a parallel RLC circuit operating at a frequency other than its resonant frequency, which of the following statements is true?

- Ans
- 1. The total current is always in phase with the voltage.
 - 2. The total current is either leading or lagging the voltage, depending on the values of R, L, and C.
 - 3. The total current is always lagging the voltage by 90 degrees.
 - 4. The total current is always equal to the sum of the individual currents through R, L, and C.

Question ID : 630680485694
Option 1 ID : 6306801896991
Option 2 ID : 6306801896992
Option 3 ID : 6306801896993
Option 4 ID : 6306801896994
Status : Answered
Chosen Option : 2

Q.65 Which of the following is NOT a category of FACTS controllers used in EHV transmission lines?

- Ans
- 1. Combined series-shunt controllers
 - 2. Diagonal controllers
 - 3. Shunt controllers
 - 4. Series controllers

Question ID : 630680485790
Option 1 ID : 6306801897378
Option 2 ID : 6306801897377
Option 3 ID : 6306801897376
Option 4 ID : 6306801897375
Status : Answered
Chosen Option : 2

Q.66 Which logic gate gives a high output only when both its inputs are low?

- Ans
- 1. NOR gate
 - 2. AND gate
 - 3. NAND gate
 - 4. OR gate

Question ID : 630680485778
Option 1 ID : 6306801897329
Option 2 ID : 6306801897327
Option 3 ID : 6306801897330
Option 4 ID : 6306801897328
Status : Answered
Chosen Option : 1

Q.67 Which organization sets the standards for illumination levels in various spaces?

- Ans
- 1. IESNA
 - 2. IEEE
 - 3. ISO
 - 4. IEC

Question ID : 630680485797
Option 1 ID : 6306801897404
Option 2 ID : 6306801897403
Option 3 ID : 6306801897405
Option 4 ID : 6306801897406
Status : Answered
Chosen Option : 3

Q.68 Diversity factor is always _____.

- Ans
- 1. Less than one
 - 2. Equal to one
 - 3. Greater than one
 - 4. Zero

Question ID : 630680485753
Option 1 ID : 6306801897227
Option 2 ID : 6306801897228
Option 3 ID : 6306801897229
Option 4 ID : 6306801897230
Status : Answered
Chosen Option : 3

Q.69 What are the ABCD constants used for in the context of a short transmission line?

- Ans 1. To analyze steady-state conditions
 2. To calculate capacitance
 3. To calculate inductance
 4. To determine the temperature of the line

Question ID : 630680485758
Option 1 ID : 6306801897249
Option 2 ID : 6306801897247
Option 3 ID : 6306801897248
Option 4 ID : 6306801897250
Status : Answered
Chosen Option : 1

Q.70 The Schering bridge is used to measure _____.

- Ans 1. Frequency
 2. Capacitance
 3. Resistance
 4. Inductance

Question ID : 630680485709
Option 1 ID : 6306801897054
Option 2 ID : 6306801897053
Option 3 ID : 6306801897051
Option 4 ID : 6306801897052
Status : Answered
Chosen Option : 2

Q.71 परमाणु रिपक्टर में एक श्रृंखला प्रतिक्रिया _____ द्वारा कायम रहती है।

- Ans 1. इलेक्ट्रॉन
 2. धीमा न्यूट्रॉन
 3. तेज़ न्यूट्रॉन
 4. प्रोटोन

Question ID : 630680485744
Option 1 ID : 6306801897194
Option 2 ID : 6306801897192
Option 3 ID : 6306801897191
Option 4 ID : 6306801897193
Status : Answered
Chosen Option : 3

Q.72 The primary purpose of a DC motor starter is to:

- Ans 1. Limit the starting current
 2. Enhance power factor
 3. Increase the motor speed
 4. Improve efficiency

Question ID : 630680485718
Option 1 ID : 6306801897088
Option 2 ID : 6306801897090
Option 3 ID : 6306801897087
Option 4 ID : 6306801897089
Status : Answered
Chosen Option : 1

Q.73 The pentagonal OHE centenary construction is primarily used for _____.

- Ans 1. Improving the mechanical strength
 2. Increasing the conductivity
 3. Enhancing the aesthetic appeal
 4. Reducing the weight of the structure

Question ID : 630680485794
Option 1 ID : 6306801897393
Option 2 ID : 6306801897394
Option 3 ID : 6306801897392
Option 4 ID : 6306801897391
Status : Answered
Chosen Option : 2

Q.74 Leakage reactance in a transformer is due to:

- Ans 1. Leakage flux
 2. Mutual flux
 3. Core losses
 4. Copper losses

Question ID : 630680485723
Option 1 ID : 6306801897109
Option 2 ID : 6306801897107
Option 3 ID : 6306801897108
Option 4 ID : 6306801897110
Status : Answered
Chosen Option : 1

Q.75 Which equation correctly represents the relationship between self-inductance (L), mutual inductance (M), and the number of turns (N1 and N2) for two closely coupled coils?

- Ans 1. $M = L / (N1 \times N2)$
 2. $L = M \times N1 \times N2$
 3. $L = M / (N1 + N2)$
 4. $M = L \times \sqrt{(N1 \times N2)}$

Question ID : 630680485798
Option 1 ID : 6306801897408
Option 2 ID : 6306801897407
Option 3 ID : 6306801897409
Option 4 ID : 6306801897410
Status : Answered
Chosen Option : 4

Q.76 The form factor of an AC waveform is defined as the ratio of _____.

- Ans 1. RMS value to the peak value
 2. Average value to the RMS value
 3. RMS value to the average value
 4. Peak value to the RMS value

Question ID : 630680485801
Option 1 ID : 6306801897422
Option 2 ID : 6306801897420
Option 3 ID : 6306801897419
Option 4 ID : 6306801897421
Status : Answered
Chosen Option : 3

Q.77 Which transformation is used to simplify a three-resistor network?

- A) Star to Delta
- B) Delta to Star

- Ans
- 1. Only B
 - 2. Neither A nor B
 - 3. Both A and B
 - 4. Only A

Question ID : 630680485689
Option 1 ID : 6306801896972
Option 2 ID : 6306801896974
Option 3 ID : 6306801896973
Option 4 ID : 6306801896971
Status : Answered
Chosen Option : 3

Q.78 In the four quadrant operation of a 3-phase induction motor, the fourth quadrant represents:

- Ans
- 1. Generating with reverse torque
 - 2. Motoring with forward torque
 - 3. Generating with forward torque
 - 4. Motoring with reverse torque

Question ID : 630680485732
Option 1 ID : 6306801897146
Option 2 ID : 6306801897145
Option 3 ID : 6306801897144
Option 4 ID : 6306801897143
Status : Answered
Chosen Option : 1

Q.79 In a DC motor, torque is directly proportional to:

- Ans
- 1. Armature current
 - 2. Motor speed
 - 3. Supply voltage
 - 4. Back e.m.f.

Question ID : 630680485721
Option 1 ID : 6306801897100
Option 2 ID : 6306801897102
Option 3 ID : 6306801897101
Option 4 ID : 6306801897099
Status : Answered
Chosen Option : 1

Q.80 When selecting an MCCB (Molded Case Circuit Breaker) for motors, which factor is crucial?

- Ans
- 1. Brand reputation
 - 2. Colour of MCCB
 - 3. Motor weight
 - 4. Motor starting current

Question ID : 630680485803
Option 1 ID : 6306801897428
Option 2 ID : 6306801897427
Option 3 ID : 6306801897430
Option 4 ID : 6306801897429
Status : Answered
Chosen Option : 4

Q.81 The primary advantage of using SF6 gas in circuit breakers is its _____.

- Ans 1. High dielectric strength
 2. Non-toxicity
 3. Low cost
 4. Non-flammability

Question ID : 630680485802
Option 1 ID : 6306801897424
Option 2 ID : 6306801897426
Option 3 ID : 6306801897423
Option 4 ID : 6306801897425
Status : Answered
Chosen Option : 1

Q.82 All day efficiency of a transformer is the ratio of:

- Ans 1. Average output to average input for 24 hours
 2. Maximum output to maximum input for 24 hours
 3. Minimum output to minimum input for 24 hours
 4. Total output to total input for 24 hours

Question ID : 630680485726
Option 1 ID : 6306801897120
Option 2 ID : 6306801897121
Option 3 ID : 6306801897122
Option 4 ID : 6306801897119
Status : Answered
Chosen Option : 4

Q.83 The voltage transformation ratio of a transformer is the ratio of:

- Ans 1. Primary to secondary voltage
 2. Secondary to primary resistance
 3. Primary to secondary resistance
 4. Secondary to primary voltage

Question ID : 630680485724
Option 1 ID : 6306801897113
Option 2 ID : 6306801897114
Option 3 ID : 6306801897111
Option 4 ID : 6306801897112
Status : Answered
Chosen Option : 4

Q.84 A brushless DC motor operates primarily on the principle of:

- Ans 1. Electronic commutation
 2. Commutation by brushes
 3. Synchronous operation
 4. Variable reluctance

Question ID : 630680485720
Option 1 ID : 6306801897096
Option 2 ID : 6306801897095
Option 3 ID : 6306801897098
Option 4 ID : 6306801897097
Status : Answered
Chosen Option : 1

Q.85 In a two-port network, the short-circuit admittance parameter Y_{21} represents ____.

- Ans
- 1. Output admittance with input short-circuited
 - 2. Transfer admittance from input to output
 - 3. Input admittance with output short-circuited
 - 4. Transfer admittance from output to input

Question ID : 630680485698
Option 1 ID : 6306801897010
Option 2 ID : 6306801897008
Option 3 ID : 6306801897009
Option 4 ID : 6306801897007
Status : Answered
Chosen Option : 4

Q.86 In a homo-polar transmission line, which of the following is a significant challenge that needs to be addressed?

- Ans
- 1. Balancing the three phases
 - 2. Mitigating the direct current magnetic fields
 - 3. Reduction of skin effect
 - 4. Increasing the line capacitance

Question ID : 630680485789
Option 1 ID : 6306801897372
Option 2 ID : 6306801897373
Option 3 ID : 6306801897371
Option 4 ID : 6306801897374
Status : Answered
Chosen Option : 2

Q.87 Wound rotor induction generators are primarily used in wind turbines because they ____.

- Ans
- 1. Allow variable speed operation
 - 2. Increase the wind turbine size
 - 3. Make the turbine noiseless
 - 4. Reduce the overall cost

Question ID : 630680485751
Option 1 ID : 6306801897220
Option 2 ID : 6306801897221
Option 3 ID : 6306801897222
Option 4 ID : 6306801897219
Status : Answered
Chosen Option : 1

Q.88 Which characteristic of an instrument defines its behaviour during rapid changes in the measurand?

- Ans
- 1. Precision
 - 2. Dynamic
 - 3. Accuracy
 - 4. Static

Question ID : 630680485702
Option 1 ID : 6306801897026
Option 2 ID : 6306801897024
Option 3 ID : 6306801897025
Option 4 ID : 6306801897023
Status : Answered
Chosen Option : 2

Q.89 In a control system, if all poles lie on the left side of the s-plane, the system is:

- Ans
- 1. Unstable
 - 2. Oscillatory
 - 3. Stable
 - 4. Marginally stable

Question ID : 630680485781
Option 1 ID : 6306801897339
Option 2 ID : 6306801897342
Option 3 ID : 6306801897341
Option 4 ID : 6306801897340
Status : Answered
Chosen Option : 3

Q.90 In transmission lines, sag is least affected by:

- Ans
- 1. Colour of the conductor
 - 2. Weight of the conductor
 - 3. Ice loading
 - 4. Span length

Question ID : 630680485792
Option 1 ID : 6306801897386
Option 2 ID : 6306801897383
Option 3 ID : 6306801897385
Option 4 ID : 6306801897384
Status : Answered
Chosen Option : 1

Q.91 In circuit analysis, converting a voltage source in series with a resistance to a current source in parallel with the same resistance is known as _____.

- Ans
- 1. Parallel to series resistance transformation
 - 2. Voltage to current source transformation
 - 3. Current to voltage source transformation
 - 4. Resistor to inductor transformation

Question ID : 630680485688
Option 1 ID : 6306801896969
Option 2 ID : 6306801896967
Option 3 ID : 6306801896968
Option 4 ID : 6306801896970
Status : Answered
Chosen Option : 2

Q.92 The primary function of an ELCB (Earth leakage circuit breaker) is to detect _____.

- Ans
- 1. Phase imbalance
 - 2. Overcurrent
 - 3. Earth leakage current
 - 4. Overvoltage

Question ID : 630680485804
Option 1 ID : 6306801897434
Option 2 ID : 6306801897431
Option 3 ID : 6306801897433
Option 4 ID : 6306801897432
Status : Answered
Chosen Option : 3

Q.93 In a three-phase system, RYB sequence is also known as _____.

- Ans
- 1. Both positive and negative sequence.
 - 2. Negative sequence
 - 3. Positive sequence
 - 4. Zero sequence

Question ID : 630680485696
Option 1 ID : 6306801897002
Option 2 ID : 6306801897000
Option 3 ID : 6306801896999
Option 4 ID : 6306801897001
Status : Answered
Chosen Option : 3

Q.94 In the four quadrant operation of a three-phase induction motor, consider the following scenarios:

- I. Motor operates in the forward direction with motoring torque.
- II. Motor operates in the reverse direction with regenerative braking.
- III. Motor operates in the forward direction with regenerative braking.
- IV. Motor operates in the reverse direction with motoring torque.

Which of the following correctly represents the third quadrant of operation?

- Ans
- 1. III
 - 2. II
 - 3. I
 - 4. IV

Question ID : 630680485731
Option 1 ID : 6306801897141
Option 2 ID : 6306801897140
Option 3 ID : 6306801897139
Option 4 ID : 6306801897142
Status : Answered
Chosen Option : 2

Q.95 The slip of an induction motor is 0 when the motor is:

- Ans
- 1. Overloaded
 - 2. At standstill
 - 3. Running at synchronous speed
 - 4. Running at maximum torque

Question ID : 630680485729
Option 1 ID : 6306801897134
Option 2 ID : 6306801897131
Option 3 ID : 6306801897132
Option 4 ID : 6306801897133
Status : Answered
Chosen Option : 3

Q.96 Which Boolean operation is represented by the multiplication of two binary variables?

- Ans 1. AND operation
 2. XOR operation
 3. OR operation
 4. NOT operation

Question ID : 630680485779
Option 1 ID : 6306801897332
Option 2 ID : 6306801897334
Option 3 ID : 6306801897331
Option 4 ID : 6306801897333
Status : Answered
Chosen Option : 1

Q.97 Which of the following describes the primary difference between a JFET (Junction Field-Effect Transistor) and a MOSFET (Metal-Oxide-Semiconductor Field-Effect Transistor)?

- Ans 1. MOSFETs are unipolar devices while JFETs are bipolar
 2. Gate is voltage-controlled and current flows through it in a MOSFET
 3. Gate is voltage-controlled and no current flows through it in a MOSFET
 4. JFETs use a PN-junction for gating, while MOSFETs use a metal-semiconductor junction

Question ID : 630680485771
Option 1 ID : 6306801897301
Option 2 ID : 6306801897300
Option 3 ID : 6306801897299
Option 4 ID : 6306801897302
Status : Answered
Chosen Option : 4

Q.98 The time required for half of the radioactive atoms in a sample to decay is called _____.

- Ans 1. Half-life
 2. Radioactive decay
 3. Full-life
 4. Decay constant

Question ID : 630680485742
Option 1 ID : 6306801897185
Option 2 ID : 6306801897184
Option 3 ID : 6306801897186
Option 4 ID : 6306801897183
Status : Answered
Chosen Option : 1

Q.99 In a Boiling Water Reactor (BWR), the coolant used is _____.

- Ans 1. Light water
 2. Liquid sodium
 3. Heavy water
 4. Carbon dioxide

Question ID : 630680485743
Option 1 ID : 6306801897190
Option 2 ID : 6306801897188
Option 3 ID : 6306801897187
Option 4 ID : 6306801897189
Status : Answered
Chosen Option : 3

Q.100 Why is transposition of conductors necessary in transmission lines?

- Ans
- 1. To improve the efficiency of the line
 - 2. To increase line losses
 - 3. To reduce the inductance of the line
 - 4. To increase the capacitance of the line

Question ID : 630680485757
Option 1 ID : 6306801897244
Option 2 ID : 6306801897243
Option 3 ID : 6306801897245
Option 4 ID : 6306801897246
Status : Answered
Chosen Option : 3

Q.101 जैव-रासायनिक बिजली संयंत्र ऊर्जा उत्पादन के लिए मुख्य रूप से किस प्रक्रिया का उपयोग करते हैं?

- Ans
- 1. दहन
 - 2. निस्पंदन
 - 3. आसवन
 - 4. किण्वन

Question ID : 630680485749
Option 1 ID : 6306801897211
Option 2 ID : 6306801897214
Option 3 ID : 6306801897213
Option 4 ID : 6306801897212
Status : Answered
Chosen Option : 4

Q.102 What is a distinct advantage of the Ring distribution system over radial distribution?

- Ans
- 1. Increased reliability due to multiple paths for power flow
 - 2. Reduced material usage
 - 3. Simpler design and construction
 - 4. Lower maintenance costs

Question ID : 630680485764
Option 1 ID : 6306801897271
Option 2 ID : 6306801897273
Option 3 ID : 6306801897272
Option 4 ID : 6306801897274
Status : Answered
Chosen Option : 1

Q.103 In a Star (Y) connected system, if phase voltage is V_p and line voltage is V_l , which of the following relationships is correct?

- Ans
- 1. $V_p = V_l / \sqrt{3}$
 - 2. $V_p = V_l \times \sqrt{3}$
 - 3. $V_p = 3 \times V_l$
 - 4. $V_p = V_l$

Question ID : 630680485800
Option 1 ID : 6306801897415
Option 2 ID : 6306801897416
Option 3 ID : 6306801897418
Option 4 ID : 6306801897417
Status : Answered
Chosen Option : 1

Q.104 Which of the following is NOT a typical loss in a synchronous motor?

- Ans 1. Capacitive loss
 2. Iron loss
 3. Friction loss
 4. Copper loss

Question ID : 630680485738
Option 1 ID : 6306801897170
Option 2 ID : 6306801897168
Option 3 ID : 6306801897169
Option 4 ID : 6306801897167
Status : Answered
Chosen Option : 1

Q.105 In an overcurrent relay, the time of operation is inversely proportional to _____.

- Ans 1. The frequency
 2. The cube of the current
 3. The square of the current
 4. The voltage

Question ID : 630680485807
Option 1 ID : 6306801897446
Option 2 ID : 6306801897444
Option 3 ID : 6306801897443
Option 4 ID : 6306801897445
Status : Answered
Chosen Option : 3

Q.106 The primary purpose of an electrostatic precipitator in a power plant is to _____.

- Ans 1. Remove ash particles from the exhaust
 2. Increase combustion efficiency
 3. Generate electricity
 4. Reduce fuel consumption

Question ID : 630680485741
Option 1 ID : 6306801897181
Option 2 ID : 6306801897182
Option 3 ID : 6306801897179
Option 4 ID : 6306801897180
Status : Answered
Chosen Option : 1

Q.107 Which of the following is the correct formula of string efficiency?

- Ans 1. String Efficiency = voltage across the whole string / (number of discs in string × the voltage across the disc farthest to the conductor)
 2. String Efficiency = voltage across the whole string / (number of discs in string × the voltage across the disc nearest to the conductor)
 3. String Efficiency = (voltage across the whole string × number of discs in string) / the voltage across the disc farthest to the conductor
 4. String Efficiency = (voltage across the whole string × number of discs in string) / the voltage across the disc nearest to the conductor

Question ID : 630680485791
Option 1 ID : 6306801897380
Option 2 ID : 6306801897379
Option 3 ID : 6306801897382
Option 4 ID : 6306801897381
Status : Answered
Chosen Option : 2

Q.108 Electronic energy meters provide an advantage of _____.

- Ans
- 1. High power consumption
 - 2. Having moving parts
 - 3. Being bulky
 - 4. High accuracy and reliability

Question ID : 630680485710
Option 1 ID : 6306801897057
Option 2 ID : 6306801897056
Option 3 ID : 6306801897055
Option 4 ID : 6306801897058
Status : Answered
Chosen Option : 4

Q.109 The torque in a three-phase induction motor is maximum at a slip of:

- Ans
- 1. Between 0 and 1
 - 2. Greater than 1
 - 3. 0
 - 4. 1

Question ID : 630680485730
Option 1 ID : 6306801897137
Option 2 ID : 6306801897138
Option 3 ID : 6306801897135
Option 4 ID : 6306801897136
Status : Answered
Chosen Option : 4

Q.110 In the armature control method, the speed of the DC motor:

- Ans
- 1. Remains constant with increased resistance
 - 2. Increases with increased resistance
 - 3. Decreases with increased resistance
 - 4. Becomes zero with increased resistance

Question ID : 630680485719
Option 1 ID : 6306801897093
Option 2 ID : 6306801897091
Option 3 ID : 6306801897092
Option 4 ID : 6306801897094
Status : Answered
Chosen Option : 3

Q.111 In which closed-loop configuration does an operational amplifier provide phase inversion?

- Ans
- 1. Differential amplifier
 - 2. Inverting amplifier
 - 3. Non-inverting amplifier
 - 4. Voltage follower

Question ID : 630680485777
Option 1 ID : 6306801897326
Option 2 ID : 6306801897323
Option 3 ID : 6306801897324
Option 4 ID : 6306801897325
Status : Answered
Chosen Option : 2

Q.112 What is a crucial factor to consider when preparing a detailed electrical estimate?

- Ans
- 1. Office location
 - 2. Colour of wires
 - 3. Brand of equipment
 - 4. Load requirements

Question ID : 63068048576
Option 1 ID : 6306801897286
Option 2 ID : 6306801897283
Option 3 ID : 6306801897284
Option 4 ID : 6306801897285
Status : Answered
Chosen Option : 4

Q.113 Which of the following is NOT a characteristic of an ideal operational amplifier?

- Ans
- 1. Finite open-loop gain
 - 2. Zero output impedance
 - 3. Infinite input impedance
 - 4. Infinite bandwidth

Question ID : 630680485776
Option 1 ID : 6306801897322
Option 2 ID : 6306801897320
Option 3 ID : 6306801897319
Option 4 ID : 6306801897321
Status : Answered
Chosen Option : 1

Q.114 The process by which water vapor in the air is changed into liquid water is called _____.

- Ans
- 1. Infiltration
 - 2. Condensation
 - 3. Evaporation
 - 4. Precipitation

Question ID : 630680485745
Option 1 ID : 6306801897198
Option 2 ID : 6306801897196
Option 3 ID : 6306801897195
Option 4 ID : 6306801897197
Status : Answered
Chosen Option : 2

Q.115 In a DC motor, the supply voltage is equal to:

- Ans
- 1. Back e.m.f. plus armature drop
 - 2. Armature drop divided by back e.m.f.
 - 3. Armature drop minus back e.m.f.
 - 4. Back e.m.f. minus armature drop

Question ID : 630680485717
Option 1 ID : 6306801897084
Option 2 ID : 6306801897086
Option 3 ID : 6306801897085
Option 4 ID : 6306801897083
Status : Answered
Chosen Option : 1

Q.116 The illumination level in a room is determined by the ratio of _____.

- Ans
- 1. Luminous intensity to the distance
 - 2. Luminous flux to the area
 - 3. Luminous intensity to the area
 - 4. Luminous flux to the volume

Question ID : 630680485796
Option 1 ID : 6306801897400
Option 2 ID : 6306801897399
Option 3 ID : 6306801897402
Option 4 ID : 6306801897401
Status : Answered
Chosen Option : 1

Q.117 Scott connection in transformers is primarily used for:

- Ans
- 1. Voltage regulation
 - 2. Harmonic reduction
 - 3. Power factor correction
 - 4. Three-phase to two-phase conversion

Question ID : 630680485727
Option 1 ID : 6306801897125
Option 2 ID : 6306801897126
Option 3 ID : 6306801897123
Option 4 ID : 6306801897124
Status : Answered
Chosen Option : 4

Q.118 In a medium transmission line, if the received power is 800 kW and the transmitted power is 850 kW, what is the transmission efficiency?

- Ans
- 1. 94.59%
 - 2. 94.12%
 - 3. 5.88%
 - 4. 55.29%

Question ID : 630680485761
Option 1 ID : 6306801897260
Option 2 ID : 6306801897259
Option 3 ID : 6306801897261
Option 4 ID : 6306801897262
Status : Answered
Chosen Option : 2

Q.119 Which property of Laplace Transform is used to solve differential equations?

- Ans
- 1. Initial Value
 - 2. Time Shifting
 - 3. Linearity
 - 4. Frequency Shifting

Question ID : 630680485699
Option 1 ID : 6306801897014
Option 2 ID : 6306801897012
Option 3 ID : 6306801897011
Option 4 ID : 6306801897013
Status : Answered
Chosen Option : 4

Q.120 Which type of position encoder uses light and sensors to determine position?

- Ans 1. Optical Encoder
 2. Capacitive Encoder
 3. Magnetic Encoder
 4. Resistive Encoder

Question ID : 630680485784
Option 1 ID : 6306801897353
Option 2 ID : 6306801897351
Option 3 ID : 6306801897354
Option 4 ID : 6306801897352
Status : Not Answered
Chosen Option : --

Section : General English

Q.1 Choose the word that means the same as the given word.

Abdicate

- Ans 1. Cede
 2. Confiscate
 3. Annulment
 4. Rescindment

Question ID : 630680485809
Option 1 ID : 6306801897451
Option 2 ID : 6306801897452
Option 3 ID : 6306801897453
Option 4 ID : 6306801897454
Status : Not Answered
Chosen Option : --

Q.2 Select the most appropriate option for the given blank.

A king was made to kneel at the feet of _____ brahmin.

- Ans 1. an
 2. No article
 3. a
 4. the

Question ID : 630680485813
Option 1 ID : 6306801897469
Option 2 ID : 6306801897470
Option 3 ID : 6306801897468
Option 4 ID : 6306801897467
Status : Not Answered
Chosen Option : --

Q.3 Choose the word that means the same as the given word.

Abbreviate

- Ans 1. Sycophant
 2. Dilute
 3. Dilate
 4. Curtail

Question ID : 630680485808
Option 1 ID : 6306801897448
Option 2 ID : 6306801897450
Option 3 ID : 6306801897447
Option 4 ID : 6306801897449
Status : Not Answered
Chosen Option : --

Q.4 Select the most appropriate option for the given blank.

Once ____ boy came running in from play and asked, Mother, what is milk?

- Ans 1. an
 2. a
 3. No article
 4. the

Question ID : 630680485812
Option 1 ID : 6306801897465
Option 2 ID : 6306801897464
Option 3 ID : 6306801897466
Option 4 ID : 6306801897463
Status : Answered
Chosen Option : 2

Q.5 Select the most appropriate preposition for the given blank.

Being wrong opens us ____ the possibility of change.

- Ans 1. with
 2. of to
 3. into
 4. up to

Question ID : 630680485810
Option 1 ID : 6306801897455
Option 2 ID : 6306801897457
Option 3 ID : 6306801897456
Option 4 ID : 6306801897458
Status : Not Answered
Chosen Option : --

Q.6 The question below consists of a set of labelled sentences. Out of the four options given, select the most logical order of the sentences to form a coherent paragraph.

- P. This results in higher income, consumption and associated levels of emissions.
Q. The World Bank estimates that 80% of global GDP is produced in urban areas.
R. It is certain that a considerable share of the global carbon budget will be used up for building new infrastructure, particularly in fast-growing cities.
S. Further emissions take place when cities expand and land use changes – turning vegetation into city grounds.

Ans 1. QPRS

2. RSQP

3. PQSR

4. QSRP

Question ID : 630680485814

Option 1 ID : 6306801897472

Option 2 ID : 6306801897473

Option 3 ID : 6306801897471

Option 4 ID : 6306801897474

Status : Answered

Chosen Option : 4

Q.7 Select the most appropriate preposition for the given blank.

If she doesn't rely _____ her driving skills as a source of her self-worth, it won't affect her self-esteem.

Ans 1. over

2. in

3. on

4. at

Question ID : 630680485811

Option 1 ID : 6306801897462

Option 2 ID : 6306801897460

Option 3 ID : 6306801897461

Option 4 ID : 6306801897459

Status : Not Answered

Chosen Option : --

Comprehension:

Read the following passage and answer the questions given below.

Honey is a wonderful creation. It is deemed a top health food across the globe. Honey is among the most popular and widely used sweeteners, with enormous health benefits. It is used by several cultures around the world as a base for many traditional medicines, especially in Ayurveda. The health benefits and advantages of honey have been valued for ages. Honey is known as an excellent source of natural energy as the natural, unprocessed sugar present in it enters the bloodstream directly, which in turn can give a quick boost of energy. According to a famous author and nutritionist, honey burns body fat even while you are sleeping. It is considered to be the best food for losing weight. Doctors recommend having a spoonful of honey before going to bed. You can also consume a little honey with warm water on an empty stomach early in the morning. Having it first thing in the morning helps increase the metabolism, which in turn helps reduce weight faster. Honey is also good for improving your overall health.

SubQuestion No : 8

Q.8 Which word means the same as the word 'enormous' used in the passage?

- Ans
- 1. Diabolical
 - 2. Whimsical
 - 3. Frugal
 - 4. Colossal

Question ID : 630680485818
Option 1 ID : 6306801897485
Option 2 ID : 6306801897486
Option 3 ID : 6306801897483
Option 4 ID : 6306801897484
Status : Not Answered
Chosen Option : --

Comprehension:

Read the following passage and answer the questions given below.

Honey is a wonderful creation. It is deemed a top health food across the globe. Honey is among the most popular and widely used sweeteners, with enormous health benefits. It is used by several cultures around the world as a base for many traditional medicines, especially in Ayurveda. The health benefits and advantages of honey have been valued for ages. Honey is known as an excellent source of natural energy as the natural, unprocessed sugar present in it enters the bloodstream directly, which in turn can give a quick boost of energy. According to a famous author and nutritionist, honey burns body fat even while you are sleeping. It is considered to be the best food for losing weight. Doctors recommend having a spoonful of honey before going to bed. You can also consume a little honey with warm water on an empty stomach early in the morning. Having it first thing in the morning helps increase the metabolism, which in turn helps reduce weight faster. Honey is also good for improving your overall health.

SubQuestion No : 9

Q.9 Choose the most suitable title for the given passage.

- Ans
- 1. Honey: A wonderful creation
 - 2. Natural or Synthetic
 - 3. Sweets and benefits
 - 4. Ayurvedic Honey

Question ID : 630680485816
Option 1 ID : 6306801897478
Option 2 ID : 6306801897475
Option 3 ID : 6306801897477
Option 4 ID : 6306801897476
Status : Answered
Chosen Option : 1

Comprehension:

Read the following passage and answer the questions given below.

Honey is a wonderful creation. It is deemed a top health food across the globe. Honey is among the most popular and widely used sweeteners, with enormous health benefits. It is used by several cultures around the world as a base for many traditional medicines, especially in Ayurveda. The health benefits and advantages of honey have been valued for ages. Honey is known as an excellent source of natural energy as the natural, unprocessed sugar present in it enters the bloodstream directly, which in turn can give a quick boost of energy. According to a famous author and nutritionist, honey burns body fat even while you are sleeping. It is considered to be the best food for losing weight. Doctors recommend having a spoonful of honey before going to bed. You can also consume a little honey with warm water on an empty stomach early in the morning. Having it first thing in the morning helps increase the metabolism, which in turn helps reduce weight faster. Honey is also good for improving your overall health.

SubQuestion No : 10

Q.10 According to the given passage, which of the following statements is NOT correct?

- Ans 1. Honey can help in losing weight.
2. Honey's advantages are not valued by people.
3. Honey can provide a quick boost of energy.
4. Honey is used by several cultures around the world.

Question ID : 630680485817
Option 1 ID : 6306801897479
Option 2 ID : 6306801897481
Option 3 ID : 6306801897482
Option 4 ID : 6306801897480
Status : Answered
Chosen Option : 2

Section : Reasoning

Q.1 In the following question, select the related letters from the given alternatives.

QRLJ : PPIF :: FCDY : ?

- Ans 1. VBYW
2. NUVX
3. EAAU
4. XPFF

Question ID : 630680485825
Option 1 ID : 6306801897513
Option 2 ID : 6306801897511
Option 3 ID : 6306801897512
Option 4 ID : 6306801897514
Status : Answered
Chosen Option : 3

Q.2 नीचे दिए गए प्रश्न में कुछ कथन और उनके बाद उन कथनों पर आधारित कुछ निष्कर्ष दिए गए हैं। दिए गए कथनों को सही माने, चाहे उनमें सामान्य ज्ञात तथ्यों से भिन्नता हो। सभी निष्कर्ष पढ़ें और फिर निर्धारित करें कि दिए गए कौन से निष्कर्ष, दिए गए कथनों के आधार पर युक्तिसंगत हैं।

कथन:

- I. सभी दर्जी चिकित्सक हैं।
- II. कोई भी चिकित्सक होशियार नहीं है।

निष्कर्ष:

- I. सभी दर्जी होशियार हैं।
- II. कुछ दर्जी चिकित्सक हैं।

Ans

1. केवल निष्कर्ष I अनुसरण करता है
2. दोनों निष्कर्ष I तथा II अनुसरण करते हैं
3. केवल निष्कर्ष II अनुसरण करता है
4. कोई भी निष्कर्ष अनुसरण नहीं करता है

Question ID : 630680485824

Option 1 ID : 6306801897507

Option 2 ID : 6306801897509

Option 3 ID : 6306801897508

Option 4 ID : 6306801897510

Status : Answered

Chosen Option : 3

Q.3 In the following question, select the missing number from the given series.

30, 61, 123, 247, 495, ?

Ans

1. 1017
2. 993
3. 991
4. 997

Question ID : 630680485828

Option 1 ID : 6306801897526

Option 2 ID : 6306801897524

Option 3 ID : 6306801897523

Option 4 ID : 6306801897525

Status : Answered

Chosen Option : 3

Q.4 अक्षरों से बनी नीचे दी गई स्ट्रिंग पर विचार करें। यदि बाएं छोर से पहले सात अक्षरों को उलट दिया जाए। फिर नवगठित स्ट्रिंग में दायें छोर से 22वाँ अक्षर कौन सा है?

R I R Y R W W I W Y
W W I I R Y I W I R
Y I I Y W

- Ans
- 1. W
 - 2. Y
 - 3. R
 - 4. I

Question ID : 630680485821
Option 1 ID : 6306801897498
Option 2 ID : 6306801897497
Option 3 ID : 6306801897495
Option 4 ID : 6306801897496
Status : Answered
Chosen Option : 2

Q.5 35 छात्रों की एक कक्षा में, ज़ोया नीचे से 7वें स्थान पर है जबकि सोनिया ऊपर से 9वें स्थान पर है। शाह को दोनों के बीच में रखा गया है। शाह से ज़ोया का स्थान क्या है?

- Ans
- 1. 10वें
 - 2. 12वें
 - 3. 11वें
 - 4. 13वें

Question ID : 630680485820
Option 1 ID : 6306801897494
Option 2 ID : 6306801897493
Option 3 ID : 6306801897491
Option 4 ID : 6306801897492
Status : Answered
Chosen Option : 1

Q.6 नीचे दी गई तालिका 5 वर्षों में एक कंपनी के कार्य के दिनों की संख्या को दर्शाती है।

वर्ष	कार्य के दिन
A	50
B	150
C	75
D	25
E	100

वर्ष D तथा E में कार्य के दिनों की संख्या का औसत क्या है?

- Ans
- 1. 45.5
 - 2. 53.5
 - 3. 62.5
 - 4. 72.5

Question ID : 630680485827
Option 1 ID : 6306801897522
Option 2 ID : 6306801897520
Option 3 ID : 6306801897519
Option 4 ID : 6306801897521
Status : Answered
Chosen Option : 3

Q.7 एक विशिष्ट कोड भाषा में, 'DRIVING' को 'IPKXKTF' लिखा जाता है। इस कोड भाषा में 'FACTORY' का कोड क्या है?

- Ans
- 1. ATQVECH
 - 2. ATQVEDI
 - 3. HCEVQTA
 - 4. ATQWECH

Question ID : 630680485823
Option 1 ID : 6306801897504
Option 2 ID : 6306801897505
Option 3 ID : 6306801897506
Option 4 ID : 6306801897503
Status : Answered
Chosen Option : 1

Q.8 एक अनुक्रम दिया गया है, जिसमें से एक पद लुप्त है। दिए गए विकल्पों में से वह सही विकल्प चुनिए, जो अनुक्रम को पूरा करे।

MNRM, OPUP, QRXS, STAV, ?

- Ans
- 1. UYDO
 - 2. VMNO
 - 3. UMNO
 - 4. UVDY

Question ID : 630680485822
Option 1 ID : 6306801897501
Option 2 ID : 6306801897499
Option 3 ID : 6306801897502
Option 4 ID : 6306801897500
Status : Answered
Chosen Option : 4

Q.9 निम्नलिखित प्रत्येक समस्या में एक प्रश्न और दो कथन (I) तथा (II) हैं।

X का मान क्या है?

I. $x - 5 = 12$

II. $x^2 = 16$

Ans 1.

यदि प्रश्न का उत्तर दोनों कथनों का एक साथ उपयोग करने पर भी नहीं दिया जा सकता है।

2.

यदि प्रश्न का उत्तर किसी एक कथन का उपयोग अकेले करके दिया जा सकता है लेकिन दूसरे कथन का उपयोग अकेले करके उत्तर नहीं दिया जा सकता है।

3.

यदि प्रश्न का उत्तर दोनों कथनों का एक साथ उपयोग करके दिया जा सकता है, लेकिन किसी एक कथन से अकेले नहीं।

4.

यदि प्रश्न का उत्तर कथन (I) या (II) में से किसी भी एक का अकेले उपयोग करके दिया जा सकता है।

Question ID : 630680485826

Option 1 ID : 6306801897518

Option 2 ID : 6306801897515

Option 3 ID : 6306801897517

Option 4 ID : 6306801897516

Status : Answered

Chosen Option : 4

Q.10 आठ शिक्षक A, B, C, D, E, F, G तथा H केंद्र की ओर मुख करके एक वृत्ताकार मेज के इर्द-गिर्द बैठे हुए हैं (जरूरी नहीं की इसी क्रम में हो)। F, C के दायीं ओर तीसरे स्थान पर है। H, C के बायीं ओर तीसरे स्थान पर है। D, C या H का निकटतम पड़ोसी नहीं है। E, A के तुरंत दायीं ओर है। G, A के बायीं ओर दूसरे स्थान पर है। E के दायीं ओर तीसरे स्थान पर कौन है?

Ans 1. A

2. D

3. G

4. C

Question ID : 630680485819

Option 1 ID : 6306801897489

Option 2 ID : 6306801897487

Option 3 ID : 6306801897488

Option 4 ID : 6306801897490

Status : Answered

Chosen Option : 2

Section : Quantitative Aptitude

Q.1 10000 रुपये की एक राशि पर 40 प्रतिशत की वार्षिक दर से अर्धवार्षिक संयोजन पर एक वर्ष का चक्रवृद्धि ब्याज क्या है?

- Ans
- 1. 4700 रुपये
 - 2. 4000 रुपये
 - 3. 4400 रुपये
 - 4. 4800 रुपये

Question ID : 630680485830
Option 1 ID : 6306801897531
Option 2 ID : 6306801897532
Option 3 ID : 6306801897533
Option 4 ID : 6306801897534
Status : Answered
Chosen Option : 2

Q.2 What is the value of $(x^2 - x + 1)(x + 1)$?

- Ans
- 1. $x^3 - x$
 - 2. $x^3 - x^2$
 - 3. $x^3 + 1$
 - 4. $x^3 - 1$

Question ID : 630680485837
Option 1 ID : 6306801897560
Option 2 ID : 6306801897562
Option 3 ID : 6306801897561
Option 4 ID : 6306801897559
Status : Answered
Chosen Option : 3

Q.3 यदि G, H से 30 प्रतिशत कम है तथा H, 1220 से 50 प्रतिशत अधिक है, तो G का मान क्या है?

- Ans
- 1. 1181
 - 2. 1281
 - 3. 1081
 - 4. 1381

Question ID : 630680485831
Option 1 ID : 6306801897537
Option 2 ID : 6306801897535
Option 3 ID : 6306801897538
Option 4 ID : 6306801897536
Status : Answered
Chosen Option : 2

Q.4 N1, N2 तथा N3 एक कार्य को क्रमशः 50, 25 तथा 37.5 दिनों में कर सकते हैं। उन तीनों ने साथ मिलकर काम करना आरंभ किया परंतु N2 कार्य समाप्त होने से 7.5 दिन पूर्व कार्य छोड़कर चला गया। कार्य कितने दिनों में पूरा हुआ होगा?

- Ans
- 1. 15 दिन
 - 2. 10 दिन
 - 3. 18 दिन
 - 4. 17 दिन

Question ID : 630680485834
Option 1 ID : 6306801897547
Option 2 ID : 6306801897549
Option 3 ID : 6306801897548
Option 4 ID : 6306801897550
Status : Answered
Chosen Option : 4

Q.5 यदि दिए गए शंकु की ऊँचाई $1/3$ हो जाए तथा उसके आधार की त्रिज्या समान रहे, तो दिए गए शंकु तथा नये शंकु के आयतन का अनुपात क्या है?

- Ans
- 1. 3 : 2
 - 2. 4 : 2
 - 3. 3 : 1
 - 4. 4 : 1

Question ID : 630680485840
Option 1 ID : 6306801897573
Option 2 ID : 6306801897572
Option 3 ID : 6306801897571
Option 4 ID : 6306801897574
Status : Answered
Chosen Option : 3

Q.6 एक बस अपनी कुल यात्रा का $3/4$ भाग सामान्य गति से तय करती है। बची हुई दूरी बस द्वारा उसकी सामान्य गति की $1/4$ गति से तय की जाती है। धीमी गति के कारण वह अपने गंतव्य स्थान पर 120 मिनट की देरी से पहुँचती है। यदि कुल दूरी 200 कि.मी. है, तो बस की सामान्य गति क्या है?

- Ans
- 1. 75 कि.मी./घंटा
 - 2. 90 कि.मी./घंटा
 - 3. 100 कि.मी./घंटा
 - 4. 60 कि.मी./घंटा

Question ID : 630680485835
Option 1 ID : 6306801897552
Option 2 ID : 6306801897551
Option 3 ID : 6306801897554
Option 4 ID : 6306801897553
Status : Answered
Chosen Option : 4

Q.7 एक वृत्त में एक जीवा की लंबाई 30 से.मी. है जिसका व्यास 34 से.मी. है। इस जीवा की केंद्र से दूरी क्या होगी?

- Ans
- 1. 15 से.मी.
 - 2. 8 से.मी.
 - 3. 12 से.मी.
 - 4. 9 से.मी.

Question ID : 630680485841
Option 1 ID : 6306801897578
Option 2 ID : 6306801897575
Option 3 ID : 6306801897577
Option 4 ID : 6306801897576
Status : Answered
Chosen Option : 2

Q.8 यदि $5P = 7Q$ है, तो $(P + Q)/P$ का मान क्या है?

- Ans
- 1. 12/7
 - 2. 7/12
 - 3. 11/7
 - 4. 9/7

Question ID : 630680485833
Option 1 ID : 6306801897545
Option 2 ID : 6306801897543
Option 3 ID : 6306801897544
Option 4 ID : 6306801897546
Status : Answered
Chosen Option : 1

Q.9 P, Q को एक पेन 30 प्रतिशत के लाभ पर बेचता है तथा Q उसे R को 30 प्रतिशत के लाभ पर बेचता है। P तथा R के क्रय मूल्यों का अनुपात क्या है?

- Ans
- 1. 100 : 169
 - 2. 100 : 133
 - 3. 50 : 67
 - 4. 81 : 50

Question ID : 630680485832
Option 1 ID : 6306801897540
Option 2 ID : 6306801897539
Option 3 ID : 6306801897542
Option 4 ID : 6306801897541
Status : Answered
Chosen Option : 1

Q.10 तीन लड़कियों में से, पहली लड़की का भार, दूसरी लड़की के भार का आधा है तथा तीसरी लड़की के भार का दोगुना है। यदि इन तीन लड़कियों का औसत भार 84 कि.ग्रा. है, तो दूसरी तथा तीसरी लड़की का कुल भार क्या होगा?

- Ans
- ✓ 1. 180 कि.ग्रा.
 - ✗ 2. 195 कि.ग्रा.
 - ✗ 3. 170 कि.ग्रा.
 - ✗ 4. 198 कि.ग्रा.

Question ID : 630680485829
Option 1 ID : 6306801897528
Option 2 ID : 6306801897527
Option 3 ID : 6306801897529
Option 4 ID : 6306801897530
Status : Answered
Chosen Option : 1

Q.11 What is the value of $(a + b)^2 + (a - b)^2$?

- Ans
- ✗ 1. $8ab$
 - ✓ 2. $2(a^2 + b^2)$
 - ✗ 3. $4ab$
 - ✗ 4. $4(a^2 + b^2)$

Question ID : 630680485836
Option 1 ID : 6306801897558
Option 2 ID : 6306801897555
Option 3 ID : 6306801897557
Option 4 ID : 6306801897556
Status : Answered
Chosen Option : 2

Q.12 एक वर्ग के विकर्ण की लम्बाई 12 से.मी. है। वर्ग का क्षेत्रफल क्या है?

- Ans
- ✗ 1. 48 से.मी.^2
 - ✓ 2. 72 से.मी.^2
 - ✗ 3. 60 से.मी.^2
 - ✗ 4. 94 से.मी.^2

Question ID : 630680485839
Option 1 ID : 6306801897569
Option 2 ID : 6306801897567
Option 3 ID : 6306801897568
Option 4 ID : 6306801897570
Status : Answered
Chosen Option : 2

Q.13 दो निष्पक्ष पासे फेंके जाते हैं। 5 का योग प्राप्त होने की प्रायिकता क्या है?

- Ans
- 1. $\frac{1}{11}$
 - 2. $\frac{1}{8}$
 - 3. $\frac{1}{7}$
 - 4. $\frac{1}{9}$

Question ID : 630680485838
Option 1 ID : 6306801897566
Option 2 ID : 6306801897564
Option 3 ID : 6306801897565
Option 4 ID : 6306801897563
Status : Answered
Chosen Option : 4

Q.14 42 से.मी. त्रिज्या वाले दो वृत्त एक दूसरे को इस प्रकार प्रतिच्छेद करते हैं कि प्रत्येक एक दूसरे के केंद्र से होकर गुजरता है। उभयनिष्ठ जीवा की लंबाई क्या है?

- Ans
- 1. 42 से.मी.
 - 2. 27 से.मी.
 - 3. $18\sqrt{3}$ से.मी.
 - 4. $42\sqrt{3}$ से.मी.

Question ID : 630680485842
Option 1 ID : 6306801897582
Option 2 ID : 6306801897581
Option 3 ID : 6306801897579
Option 4 ID : 6306801897580
Status : Answered
Chosen Option : 1

Q.15 यदि $\sin A = \frac{3}{4}$ है, तो $\cos A$ का मान क्या है?

- Ans
- 1. $\frac{\sqrt{7}}{4}$
 - 2. $\frac{3}{\sqrt{7}}$
 - 3. $\frac{4}{3}$
 - 4. $\frac{\sqrt{7}}{3}$

Question ID : 630680485843
Option 1 ID : 6306801897584
Option 2 ID : 6306801897586
Option 3 ID : 6306801897585
Option 4 ID : 6306801897583
Status : Answered
Chosen Option : 1

Q.1 किस कंपनी ने भारत की पहली हाइड्रोजन आंतरिक दहन इंजन (H2ICE) तकनीक लॉन्च की?

- Ans
- 1. हीरो मोटो कॉर्प
 - 2. टाटा मोटर्स
 - 3. रिलायंस इंडस्ट्रीज
 - 4. महिंद्रा एंड महिंद्रा

Question ID : 630680485845
Option 1 ID : 6306801897594
Option 2 ID : 6306801897593
Option 3 ID : 6306801897591
Option 4 ID : 6306801897592
Status : Not Answered
Chosen Option : --

Q.2 निम्नलिखित में से कौन सा अधिकार 'स्वतंत्रता का अधिकार' में शामिल नहीं है?

- Ans
- 1. संगठन और संघ बनाने की स्वतंत्रता
 - 2. शांतिपूर्ण ढंग से जमा होने की स्वतंत्रता
 - 3. अभिव्यक्ति की स्वतंत्रता
 - 4. विश्व में कहीं भी आने-जाने की स्वतंत्रता

Question ID : 630680485854
Option 1 ID : 6306801897629
Option 2 ID : 6306801897628
Option 3 ID : 6306801897627
Option 4 ID : 6306801897630
Status : Answered
Chosen Option : 4

Q.3 निम्नलिखित में से कौन सा भारत में ग्रीष्म ऋतु का अभिलक्षण है?

- Ans
- 1. लू, इस ऋतु का एक प्रभावी लक्षण है।
 - 2. दिन गर्म और रातें ठंडी होती हैं।
 - 3. इस ऋतु में, देश में उत्तर-पूर्वी व्यापारिक पवनें प्रवाहित होती हैं।
 - 4. तापमान दक्षिण से उत्तर की ओर घटता जाता है

Question ID : 630680485851
Option 1 ID : 6306801897618
Option 2 ID : 6306801897616
Option 3 ID : 6306801897617
Option 4 ID : 6306801897615
Status : Answered
Chosen Option : 1

Q.4 निम्नलिखित में से कौन सा युग्म सही सुमेलित है?

- I. शर्करा – सरल कार्बोहाइड्रेट
II. चावल – जटिल कार्बोहाइड्रेट

- Ans 1. केवल II
 2. I तथा II दोनों
 3. ना ही I ना ही II
 4. केवल I

Question ID : 630680485858
Option 1 ID : 6306801897645
Option 2 ID : 6306801897644
Option 3 ID : 6306801897646
Option 4 ID : 6306801897643
Status : Answered
Chosen Option : 2

Q.5 भारत की संसद में शामिल हैं:

- I. राष्ट्रपति
II. राज्य सभा
III. लोकसभा

- Ans 1. केवल I तथा III
 2. केवल II तथा III
 3. केवल I तथा II
 4. I, II तथा III

Question ID : 630680485856
Option 1 ID : 6306801897637
Option 2 ID : 6306801897636
Option 3 ID : 6306801897635
Option 4 ID : 6306801897638
Status : Answered
Chosen Option : 4

Q.6 "सब के लिए एक जाति, एक धर्म, एक ईश्वर" का नारा किसने दिया?

- Ans 1. ज्योतिराव फुले
 2. ई.वी. रामास्वामी नायकर
 3. एम.एन. श्रीनिवास
 4. श्री नारायण गुरु

Question ID : 630680485849
Option 1 ID : 6306801897607
Option 2 ID : 6306801897608
Option 3 ID : 6306801897609
Option 4 ID : 6306801897610
Status : Not Answered
Chosen Option : --

Q.7 निम्नलिखित में से किस खेल में सरबजोत सिंह ने हांगजो एशियाई खेल 2023 में भारत के लिए स्वर्ण पदक जीता?

- Ans
- 1. मुक्केबाजी
 - 2. टेबल टेनिस
 - 3. फुटबॉल
 - 4. निशानेबाजी

Question ID : 630680485844
Option 1 ID : 6306801897589
Option 2 ID : 6306801897587
Option 3 ID : 6306801897590
Option 4 ID : 6306801897588
Status : Not Answered
Chosen Option : --

Q.8 पुणे में बालिकाओं के लिए बने देश के पहले विद्यालय की पहली प्रधान अध्यापिका कौन थीं?

- Ans
- 1. सुचेता कृपलानी
 - 2. सवित्री बाई फुले
 - 3. अरुणा आसफ अली
 - 4. आनंदीबाई गोपालराव जोशी

Question ID : 630680485848
Option 1 ID : 6306801897605
Option 2 ID : 6306801897606
Option 3 ID : 6306801897604
Option 4 ID : 6306801897603
Status : Answered
Chosen Option : 2

Q.9 सिंधु नदी की लंबाई कितनी है?

- Ans
- 1. 2500 कि.मी.
 - 2. 2900 कि.मी.
 - 3. 3500 कि.मी.
 - 4. 2000 कि.मी.

Question ID : 630680485852
Option 1 ID : 6306801897620
Option 2 ID : 6306801897621
Option 3 ID : 6306801897622
Option 4 ID : 6306801897619
Status : Answered
Chosen Option : 2

Q.10 राज्य सभा के सदस्यों का चुनाव _____ करते हैं।

- Ans
- 1. विभिन्न राज्यों की विधानसभाओं के मनोनीत सदस्य
 - 2. विभिन्न राज्यों की विधानसभाओं के निर्वाचित तथा मनोनीत सदस्य
 - 3. विभिन्न राज्यों की विधानसभाओं के निर्वाचित सदस्य
 - 4. लोकसभा के निर्वाचित सदस्य

Question ID : 630680485855
Option 1 ID : 6306801897632
Option 2 ID : 6306801897634
Option 3 ID : 6306801897631
Option 4 ID : 6306801897633
Status : Answered
Chosen Option : 2

Q.11 निम्नलिखित में से कौन सा ऊर्जा का मुख्य स्रोत है?

- Ans
- 1. विटामिन
 - 2. खनिज
 - 3. कार्बोहाइड्रेट
 - 4. प्रोटीन

Question ID : 630680485857
Option 1 ID : 6306801897641
Option 2 ID : 6306801897642
Option 3 ID : 6306801897639
Option 4 ID : 6306801897640
Status : Answered
Chosen Option : 3

Q.12 किस मंत्रालय ने PM-KISAN योजना के लिए AI चैटबॉट लॉन्च किया?

- Ans
- 1. इलेक्ट्रॉनिक्स एवं सूचना प्रौद्योगिकी मंत्रालय
 - 2. कृषि एवं किसान कल्याण मंत्रालय
 - 3. सामाजिक न्याय और अधिकारिता मंत्रालय
 - 4. ग्रामीण विकास मंत्रालय

Question ID : 630680485846
Option 1 ID : 6306801897597
Option 2 ID : 6306801897596
Option 3 ID : 6306801897595
Option 4 ID : 6306801897598
Status : Answered
Chosen Option : 2

Q.13 सितंबर 2023 में, केंद्रीय मंत्रिमंडल ने _____ रुपये के वित्तीय परिव्यय के साथ एक केंद्रीय क्षेत्र की योजना के रूप में ई-कोर्ट परियोजना चरण-3 को मंजूरी दी।

- Ans
- 1. 6210 करोड़
 - 2. 7210 करोड़
 - 3. 8210 करोड़
 - 4. 5210 करोड़

Question ID : 630680485847
Option 1 ID : 6306801897599
Option 2 ID : 6306801897601
Option 3 ID : 6306801897600
Option 4 ID : 6306801897602
Status : Not Answered
Chosen Option : --

Q.14 2011 की जनगणना के अनुसार, 2001-2011 के दशक में भारत की जनसंख्या की वृद्धि दर _____ थी।

- Ans
- 1. 17.7 प्रतिशत
 - 2. 11.7 प्रतिशत
 - 3. 19.7 प्रतिशत
 - 4. 13.7 प्रतिशत

Question ID : 630680485853
Option 1 ID : 6306801897625
Option 2 ID : 6306801897623
Option 3 ID : 6306801897626
Option 4 ID : 6306801897624
Status : Not Answered
Chosen Option : --

Q.15 निम्नलिखित में से 'सुधारवादी संगठन – संस्थापक' का कौन सा युग्म सही सुमेलित है?

I. आर्य समाज – स्वामी दयानंद सरस्वती

II. सत्यशोधक समाज – ज्योतिराव फुले

- Ans
- 1. केवल I
 - 2. केवल II
 - 3. I तथा II दोनों
 - 4. ना ही I ना ही II

Question ID : 630680485850

Option 1 ID : 6306801897611

Option 2 ID : 6306801897612

Option 3 ID : 6306801897613

Option 4 ID : 6306801897614

Status : Answered

Chosen Option : 3