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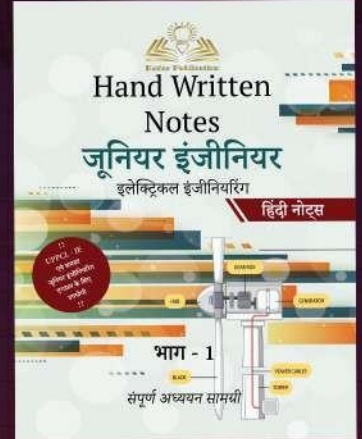
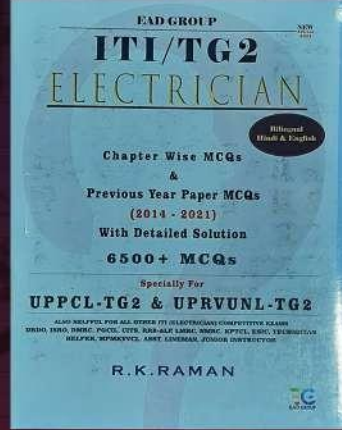
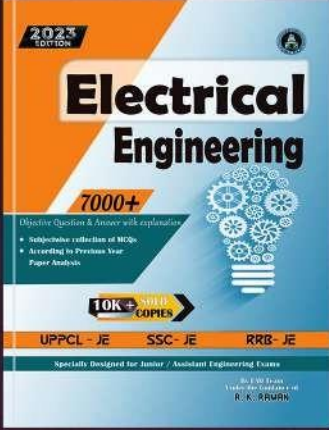
## Objective Book for

Electrical-JE

Electronics-JE

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JE Short Notes



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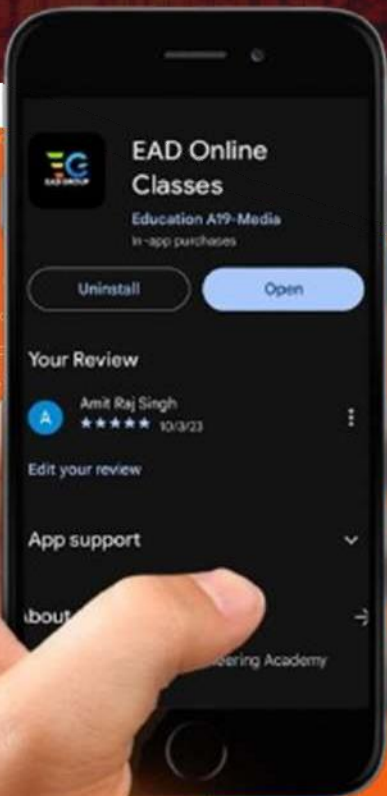
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**Raman sir**  
Electrical Engg. Expert



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Participant ID	
Participant Name	
Test Center Name	
Test Date	08/09/2021
Test Time	9:00 AM - 12:00 PM
Subject	Junior Engineer (Trainee) Electrical

Section : Domain Knowledge

Q.1 One of the standardised instructions for output of logic line "OUT" is used \_\_\_\_\_.

- Ans
- A. to reset instruction for flip flops
  - B. to output a flip flop
  - C. to output a relay
  - D. to denote the set

Question ID : 9277592209  
Status : Answered  
Chosen Option : B

Q.2 Which of the following sector encourage small scale entrepreneurship and has minimum hurdles to market entry?

- Ans
- A. Services.
  - B. Agriculture.
  - C. Industry sector.
  - D. Manufacturing.

Question ID : 9277592274  
Status : Answered  
Chosen Option : C

Q.3 Which of the following is NOT an advantage of relays?

- Ans
- A. Relays can switch high voltages.
  - B. Relays use less power due to the current flowing through their coil.
  - C. Relays can switch many contacts at once.
  - D. Relays can switch AC and DC.

Question ID : 9277592287  
Status : Answered  
Chosen Option : C

Q.4 When two phase wires or one phase wire and the neutral wire make direct contact due to insulation breakdown, an exceedingly large current will flow in the circuit. This condition is called:

- Ans  A. short circuit  
 B. electric shock  
 C. overload current  
 D. earth fault

Question ID : 9277592217  
Status : Answered  
Chosen Option : A

Q.5 Which of the following parameters does NOT depend upon material used and physical dimensions of the conductor?

- Ans  A. Resistance  
 B. Shunt conductance  
 C. Inductance  
 D. Capacitance

Question ID : 9277592257  
Status : Answered  
Chosen Option : C

Q.6 Which of the following safety and monitoring devices is NOT provided to a power transformer as a safety instrument?

- Ans  A. Pressure/vacuum switch  
 B. Dielectric gauge  
 C. Gas temperature indicator  
 D. Fluid level gauge

Question ID : 9277592280  
Status : Answered  
Chosen Option : B

Q.7 Select the correct statement for DC ceiling fans.

- Ans  A. DC motor fans have less speed options than AC motor fans.  
 B. DC motor fans use more energy than standard AC fans.  
 C. DC fans are less efficient than AC fans.  
 D. DC motor fans are less noisy.

Question ID : 9277592190  
Status : Answered  
Chosen Option : C

Q.8 \_\_\_\_\_ was based upon the idea that the conduction of electric and thermal current in metals is by electrons.

- Ans
- A. Sommerfeld theory
  - B. Cohesive theory of forces
  - C. Drude theory
  - D. Zone theory of solids

Question ID : 9277592175

Status : Not Answered

Chosen Option : -

Q.9 Which is the correct formula for the efficiency of a short transmission line ( $\eta$  %)?

- Ans
- A.  $\eta \% = (\text{Power supplied} / \text{Power exhausted} \times 100)$
  - B.  $\eta \% = (\text{Power exhausted} / \text{Power delivered} \times 100)$
  - C.  $\eta \% = (\text{Power delivered} / \text{Power supplied} \times 100)$
  - D.  $\eta \% = (\text{Power supplied} / \text{Power delivered} \times 100)$

Question ID : 9277592254

Status : Answered

Chosen Option : B

Q.10 Which of the following is an INCORRECT type of chopper?

- Ans
- A. Parallel capacitor turn-off chopper
  - B. Series turn-off chopper
  - C. Series-SCR chopper
  - D. Morgan chopper

Question ID : 9277592199

Status : Not Answered

Chosen Option : -

Q.11 Which of the following HMI component includes Visual display units, alphanumeric keyboard, cursor etc?

- Ans
- A. Mimic diagram
  - B. Peripheral devices
  - C. Operator console
  - D. Operator dialogue

Question ID : 9277592292

Status : Not Answered

Chosen Option : -



Q.12 Which of the following is NOT one of the tips/methods while using washing machine to save energy?

- Ans  A. Use the correct amount of detergent.  
 B. Never wash with full loads.  
 C. Use hot water only for very dirty clothes.  
 D. Use optimal quantity of water.

Question ID : 9277592270

Status : Not Answered

Chosen Option : -

Q.13 Which of the following is NOT the salient feature of thermistors?

- Ans  A. Thermistors are compact.  
 B. Thermistors are smooth.  
 C. Thermistors when properly aged, have good stability.  
 D. Thermistors are inexpensive.

Question ID : 9277592164

Status : Not Answered

Chosen Option : -

Q.14 Which of the following insulating materials is NOT used for cables?

- Ans  A. Polyvinyl Chloride  
 B. Paper  
 C. Polyurethane  
 D. Vulcanized India Rubber

Question ID : 9277592225

Status : Answered

Chosen Option : C

Q.15 Barbed wire is wrapped on poles at a height of about 2.5 m from the ground for at least 1 metre.

The above statement is true for:

- Ans  A. pro-danger sign boards  
 B. danger sign boards  
 C. anticlimbing devices  
 D. guys (stays) and the associated arrangement

Question ID : 9277592226

Status : Answered

Chosen Option : C

Q.16 Which of the following is the fastest of all saturated logic families? It is also used in SSI and MSI ICs.

- Ans  A. RTL  
 B.  
 C. TTL  
 D. DCTL

Question ID : 9277592182

Status : Answered

Chosen Option : C

Q.17 Which of the following statements is correct for the electrical conducting material, Tungsten?

- Ans  A. It has the lowest resistance per unit weight.  
 B. It has the highest melting point among metals.  
 C. It has the lowest resistance per unit volume.  
 D. Its melting point is 657°C (pure)

Question ID : 9277592170

Status : Answered

Chosen Option : B

Q.18 The main drawback of \_\_\_\_\_ is that the accuracy in determining the mechanical power output of the DC motor is limited.

- Ans  A. Hopkinson's test  
 B. direct method of testing  
 C. Swinburne's test  
 D. indirect method of testing

Question ID : 9277592192

Status : Not Answered

Chosen Option : -

Q.19 WH efficiency of the battery for UPS varies from:

- Ans  A. 50 percent - 60 percent  
 B. 10 percent - 20 percent  
 C. 25 percent - 30 percent  
 D. 70 percent - 80 percent

Question ID : 9277592206

Status : Not Answered

Chosen Option : -

Q.20 Which of the following is also used as synonym for 'off the shelf'?

- Ans
- A. Out of the box thinking
  - B. Innovation head
  - C. Brainstorming
  - D. Mind mapping

Question ID : 9277592273

Status : Not Answered

Chosen Option : -

Q.21 Insulating material, cotton or oiled cambric tapes, are used for which part of machines?

- Ans
- A. For insulating terminals of high-voltage machines
  - B. Insulation of commutators
  - C. Taping armature and field coils of traction motor stator coils of high-voltage alternators
  - D. Rectangular conductors such as used in large D.C. machines

Question ID : 9277592173

Status : Not Answered

Chosen Option : -

Q.22 Which of the following is NOT an advantage of 'digital tape recording'?

- Ans
- A. A low quality of tape and tape transport mechanism is required
  - B. High accuracy
  - C. Insensitivity of tape speed
  - D. Use of simple conditioning equipment

Question ID : 9277592162

Status : Not Answered

Chosen Option : -

Q.23

- Ans
- A. Delta/Star connection
  - B. Delta/zig-zag star connection
  - C. Star/zig-zag star connection
  - D. Star/Star connection

Question ID : 9277592185

Status : Not Answered

Chosen Option : -

Q.24 \_\_\_\_\_ is a device that closes its contacts when operating quantity reaches certain predetermined magnitude. Closing of relay contacts initiates an alarm circuit.

- Ans
- A. Auxiliary relay
  - B. All-or-nothing relay
  - C. Protective relay
  - D. Measuring relay

Question ID : 9277592278

Status : Answered

Chosen Option : C

Q.25 If the power factor is \_\_\_\_\_, the voltage at the sending end is less than that at the receiving end in short line. Hence voltage regulation is negative.

- Ans
- A. lagging
  - B. leading
  - C. unity
  - D. zero

Question ID : 9277592260

Status : Answered

Chosen Option : B

Q.26 Which of the following is also known as 'quasi wave inverter'?

- Ans
- A. Square wave inverter
  - B. Sine wave inverter
  - C. Modified sine wave inverter
  - D. Direct wave inverter

Question ID : 9277592203

Status : Not Answered

Chosen Option : -

Q.27 Which is not most commonly used display in the digital electronics field?

- Ans
- A. Incandescent display
  - B. Micro-phoretic image display
  - C. Liquid vapour display
  - D. Gas discharge plasma display

Question ID : 9277592180

Status : Answered

Chosen Option : A



Q.28

- Ans  A. Intermediate diagram.  
 B. Outlet diagram.  
 C. Schematic diagram.  
 D. Multiline wiring diagram.

Question ID : 9277592219

Status : Answered

Chosen Option : D

Q.29 The rectifier that uses only diodes and the DC output voltage is fixed in amplitude by the amplitude of the AC supply is known as:

- Ans  A. fully controlled rectifier  
 B. percent controlled rectifier  
 C. half controlled rectifier  
 D. uncontrolled rectifier

Question ID : 9277592198

Status : Answered

Chosen Option : D

Q.30 Which of the following materials is NOT employed for transmission lines?

- Ans  A. Steel core copper  
 B. Copper weld materials  
 C. Carbon core tantalum  
 D. Galvanized iron

Question ID : 9277592171

Status : Answered

Chosen Option : C

Q.31 With regard to the Energy Conservation Act, 2001, the full form of B.E.E. is:

- Ans  A. Bold and Efficient Energy  
 B. Branch of Energy Efficiency  
 C. Board of Energy Efficiency  
 D. Bureau of Energy Efficiency

Question ID : 9277592272

Status : Answered

Chosen Option : C

Q.32 In a D.C. motor, \_\_\_\_\_ is also known as electrical characteristics.

- Ans  A. Torque-Flux characteristics.  
 B. Speed-Armature current characteristics.  
 C. Speed-Torque characteristics  
 D. Torque-Armature current characteristics

Question ID : 9277592194

Status : Answered

Chosen Option : D

Q.33 वह संचरण, जो 3 चरण 3 वायर तंत्र का उपयोग करता है उसे उच्च वोल्टेज संचरण कहा जाता है। इस संचरण तंत्र को और क्या कहा जाता है?

- Ans
- A. उन्मत्त संचरण (Eliminative transmission)
  - B. द्वितीयक संचरण (Secondary transmission)
  - C. प्रभरक संचरण (Feeder transmission)
  - D. प्राथमिक संचरण (Primary transmission)

Question ID : 9277592256

Status : Answered

Chosen Option : B

Q.34 ऊपरी (ओवरहेड) लाइनों के पूर्वमानसून निरीक्षण में निम्न में से कौन-सा कथन शामिल नहीं है?

- Ans
- A. ऊर्ध्वस्थापी तारों को ठीक से संरेखित किया जाना चाहिए।
  - B. झुके हुए खंभों को ठीक किया जाना चाहिए।
  - C. लाइनों की आनमन को अधिकतम किया जाना चाहिए।
  - D. भूयोजन (Earthing) चेक करना चाहिए।

Question ID : 9277592295

Status : Answered

Chosen Option : C

Q.35 Which of the following symbols belongs to bracket fan?

- Ans
- A.
  - B.
  - C.
  - D.

Question ID : 9277592214

Status : Answered

Chosen Option : C

Q.36 Which of the following is NOT a disadvantage of EHV lines?

- Ans
- A. Over voltage problem due to switching surge.
  - B. Generation and distribution of power is in AC only.
  - C. Corona problems increase in the voltage gradient.
  - D. Insulation coordination based upon switching impulse level.

Question ID : 9277592263

Status : Not Answered

Chosen Option : -

Q.37 Which of the following is NOT a semiconductor?

- Ans  A. Micanite  
 B. Arsenic  
 C. Antimony  
 D. Silicon

Question ID : 9277592168  
Status : Answered  
Chosen Option : A

Q.38

- Ans  A. Water cooler  
 B. Air conditioner  
 C. Does not belong to any domestic appliance  
 D. Refrigerator

Question ID : 9277592301  
Status : Not Answered  
Chosen Option : -

Q.39 \_\_\_\_\_ is NOT a type of passive transducer.

- Ans  A. Thermocouple transducer  
 B. Inductive transducer  
 C. Capacitive transducer  
 D. Resistive transducer

Question ID : 9277592155  
Status : Answered  
Chosen Option : A

Q.40 Which of the following is NOT one of the advantages of thermal power plants?

- Ans  A. Rapidly changing load without any difficulty.  
 B. Operating cost is low as compared to nuclear and hydro-electric power plants.  
 C. Require less space compared to hydro-electric plants.  
 D. Fuel used is mainly coal, which is quite inexpensive.

Question ID : 9277592232  
Status : Answered  
Chosen Option : B

Q.41 Figure-out the INCORRECT type of mode used in distributed control system from the options given below:

- Ans  A. Auto.  
 B. Computer mode.  
 C. Semi-Automatic.  
 D. Manual.

Question ID : 9277592211  
Status : Answered  
Chosen Option : D

Q.42 Which of the following is NOT one of the categories of copper loss in a DC machine?

- Ans
- A. Brush contact resistance loss
  - B. Armature loss
  - C. Eddy current loss
  - D. Field winding loss

Question ID : 9277592187

Status : Answered

Chosen Option : C

Q.43 Effect of capacitance on performance of the short transmission lines is extremely small due to \_\_\_\_\_

- Ans
- A. Low Operating voltage and high charging current.
  - B. Smaller length and high operating voltage.
  - C. Low Operating voltage and smaller length.
  - D. Larger length and low operating voltage.

Question ID : 9277592255

Status : Answered

Chosen Option : C

Q.44 \_\_\_\_\_ are used to detect the occurrence of external events. It is a retentive type of instruction and can be reset to zero using the reset (RES) instruction.

- Ans
- A. Bit instructions
  - B. Base instructions
  - C. Call instructions
  - D. Counter instructions

Question ID : 9277592291

Status : Not Answered

Chosen Option : -

Q.45 Which of the following is NOT an advantage of nuclear power plants?

- Ans
- A. It needs less space as compared to other conventional power plants of equal size.
  - B. They give better performance at high load factors (80 percent to 90 percent)
  - C. They are well suited to meet large power demands.
  - D. These plants can be operated at varying load efficiently.

Question ID : 9277592249

Status : Answered

Chosen Option : D

Q.46 Which of the following methods requires use of peripheral components?

- Ans
- A. External control of DC output voltage
  - B. Internal control of inverter
  - C. External control of DC input voltage
  - D. Internal control of AC output voltage

Question ID : 9277592201

Status : Answered

Chosen Option : B

Q.47 \_\_\_\_\_ is the mean square deviation, which is the same as 'Standard Deviation', except that square root is NOT extracted.

- Ans
- A. Variance
  - B. Precision index
  - C. Range
  - D. Average deviation

Question ID : 9277592156

Status : Not Answered

Chosen Option : -

Q.48

- Ans
- A. A photographic view of push-button.
  - B. A symbol of push button with 1 NO and 1 NC contact.
  - C. A multiline diagram of push button.
  - D. A push button is shown in pressed condition with its NC contact becoming open and NO contact becoming close.

Question ID : 9277592229

Status : Answered

Chosen Option : D

Q.49 Which of the following stages/steps is NOT involved in handling the coal in a steam power plant?

- Ans
- A. Washing
  - B. Furnace firing
  - C. Coal delivery
  - D. Transfer

Question ID : 9277592237

Status : Answered

Chosen Option : A

Q.50 Which of the following is NOT one of the reason EHV (Extra high voltage) lines are preferred?

- Ans  A. There is an increase in flexibility as it is directly proportional to volume of conductor.
- B. The installation cost of transmission line per kilometer decreases as the volume of conductor decreases, and hence the cost of line supports reduces.
- C. It improves the performance of transmission lines.
- D. There is a possibility of interconnecting power systems for the economical operation of power systems.

Question ID : 9277592262

Status : Answered

Chosen Option : A

Q.51 \_\_\_\_\_ is basically a static power electronics device which converts fixed DC voltage/power to variable DC voltage or power.

- Ans  A. Converter
- B. Chopper
- C. Inverter
- D. Integrator

Question ID : 9277592196

Status : Answered

Chosen Option : B

Q.52 Which of the following is NOT the correct type of timer instruction available with SLC 500 based systems?

- Ans  A. TOF timer
- B. TON timer
- C. RTO timer
- D. RES timer

Question ID : 9277592290

Status : Not Answered

Chosen Option : -

Q.53 Which of the following is a FALSE statement?

- Ans  A. The working fluid in the Rankine cycle may be water, mercury, low boiling substance.
- B. The basic thermodynamic cycle on which the gas turbine is based is the joule cycle.
- C. The most efficient power generation systems in commercial service are Rankine cycle plants with power to fuel energy efficiencies more than 54%.
- D. Rankine cycle is the thermodynamic cycle for steam power generation.

Question ID : 9277592233

Status : Not Answered

Chosen Option : -



Q.54 Select the correct type of relays for which the following statement is true.

"They are frequently used on large equipment or switchgear. These units check whether all of the current entering a system comes back out of the system. If it does not, the relay closes a contact that shuts down the equipment."

- Ans
- A. Time-delay relays
  - B. Reverse-current relays
  - C. Differential relays
  - D. Loss-of-phase relays

Question ID : 9277592281

Status : Not Answered

Chosen Option : -

Q.55 Which of the following is an INCORRECT statement in terms of comparison of hydro-power stations with thermal power stations?

- Ans
- A. Hydro-power stations have long useful lives compared to thermal power stations.
  - B. Construction time required for hydro-power plants is far less compared to thermal power stations.
  - C. Hydro-power stations are inexpensive compared to thermal power stations
  - D. Hydro-power plants' design is simple compared to thermal power stations

Question ID : 9277592247

Status : Answered

Chosen Option : D

Q.56 \_\_\_\_\_ represents the major cause of fatigue, failure of conductor strands or of items associated with the support, use and protection of the conductor during high wind pressures.

- Ans
- A. Unbalance loading
  - B. Overloading
  - C. Aeolian vibration
  - D. Galloping

Question ID : 9277592297

Status : Answered

Chosen Option : D

Q.57 Which of the following is a renewable source of energy?

- Ans
- A. Wind
  - B. Coal
  - C. Natural gas
  - D. Nuclear energy

Question ID : 9277592304

Status : Answered

Chosen Option : B

Q.58 \_\_\_\_\_ can be very small and are usually associated with electronic circuitry such as preamplifier and a ADC, so that a single chip can produce digital audio.

- Ans
- A. Condenser microphones.
  - B. Carbon microphones.
  - C. Dynamic microphones.
  - D. Silicon microphones.

Question ID : 9277592165  
Status : Not Answered  
Chosen Option : -

Q.59

- Ans
- A. momentum
  - B. torque
  - C. energy
  - D. Work

Question ID : 9277592157  
Status : Not Answered  
Chosen Option : -

Q.60 Which of the following is NOT one of the non-conventional sources of energy?

- Ans
- A. Fire wood energy
  - B. Magneto-hydrodynamics generator
  - C. Energy from biomass and biogas
  - D. Tidal energy

Question ID : 9277592250  
Status : Answered  
Chosen Option : A

Q.61 Which of the following is said to be an external risk factor for an entrepreneur?

- Ans
- A. Technological risk
  - B. Strategic risk
  - C. Employee risk
  - D. Innovation risk

Question ID : 9277592275  
Status : Not Answered  
Chosen Option : -

Q.62 Which of the following is NOT one of the advantages of electrical drives?

- Ans
- A. It can be used at far off places which are not supplied by electric supply
  - B. High efficiency
  - C. Being compact, they require less space
  - D. They have comparatively long life as compared to mechanical drives

Question ID : 9277592298  
Status : Answered  
Chosen Option : A

Q.63 निम्न में से कौन-सा सहायक उपकरण ध्रुवों पर सुचालक (कंडक्टर) को स्थापित करने के लिए आवश्यक नहीं है?

- Ans  A. टेंशन क्लैप (Tension clamp)  
 B. टूथ्ड गूव क्लैप (Toothed groove clamp.)  
 C. बाइंडिंग टेप (Binding tape)  
 D. रिपेयर स्लीव (Repair sleeve)

Question ID : 9277592223

Status : Not Answered

Chosen Option : -

Q.64

- Ans  A.  
 B.  
 C.  
 D.

Question ID : 9277592283

Status : Not Answered

Chosen Option : -

Q.65 Which of the following is NOT one of the logic functions of PLC programming?

- Ans  A. INHIBITION  
 B. NOT  
 C. YES  
 D. NOD

Question ID : 9277592208

Status : Not Answered

Chosen Option : -

Q.66 As a thumb rule, the depth of the pole to be planted in the ground is taken as \_\_\_\_\_ of the pole length.

- Ans  A.  
 B.  
 C.  
 D.

Question ID : 9277592222

Status : Answered

Chosen Option : A

Q.67 संचरण लाइनों के ओवरकरंट संरक्षण के लिए निम्न में से कौन-सा कथन सही है?

- Ans  A. इसका उपयोग अपेक्षाकृत कम लंबाई की महत्वपूर्ण लाइनों के लिए किया जाता है।
- B. इसे मुख्य लाइनों के लिए वितरण लाइनों और बैक-अप के लिए मुख्य सुरक्षा के रूप में लागू किया जाता है, जहां सुरक्षा दूरी प्रकार की होती है।
- C. यह अन्य सुरक्षा विधियों की तुलना में तेज़ है।
- D. यह वहां प्रयोग किया जाता है, जहां संचरण लाइन की लंबाई लंबी होती है और दोनों सिरों पर सर्किट-ब्रेकर का एक साथ खुलना आवश्यक होता है।

Question ID : 9277592279

Status : Answered

Chosen Option : C

Q.68 \_\_\_\_\_ is used as an electric insulator.

- Ans  A. Rubber
- B. Plastics
- C. Leather
- D. Asbestos

Question ID : 9277592169

Status : Not Answered

Chosen Option : -

Q.69 Which among the following electrical appliances consumes the maximum electricity?

- Ans  A. Fan
- B. Light-bulb
- C. Television
- D. Electric heater

Question ID : 9277592303

Status : Answered

Chosen Option : D

Q.70 Which of the following statements is true for 'star/star' transformer connection?

- Ans  A.
- B. This connection can operate at 58 percent normal rating as open-star when one transformer is removed for maintenance.
- C. This connection is rarely used because of difficulties associated with the exciting current.
- D. This suits large LV transformers.

Question ID : 9277592183

Status : Answered

Chosen Option : A

Q.71 Which of the following is a universal gate for logic circuits?

- Ans
- A. NOT
  - B. OR
  - C. AND
  - D. NAND

Question ID : 9277592178

Status : Answered

Chosen Option : D

Q.72 Electric heater, valves, relays etc. of PLC are:

- Ans
- A. rack devices
  - B. output devices
  - C. power supply devices
  - D. input devices

Question ID : 9277592284

Status : Not Answered

Chosen Option : -

Q.73 Which of the following materials/products are NOT used for insulating electrical power equipment?

- Ans
- A. Paper-based phenolic laminate
  - B. Glass polyester rods
  - C. Mica epoxy laminate
  - D. Platinum-coated kraft paper

Question ID : 9277592294

Status : Not Answered

Chosen Option : -

Q.74 The ratio of the work actually developed by the turbine expanding hot power gas through a given pressure range to that would be yielded for ideal expansion conditions.

The given statement relates to which of the following terms?

- Ans
- A. Engine efficiency
  - B. Machine efficiency
  - C. Thermal efficiency
  - D. Combustion efficiency

Question ID : 9277592242

Status : Not Answered

Chosen Option : -

Q.75 Air blast circuit breakers are suitable for:

- Ans  A. short duty  
 B. arc furnace duty  
 C. non-repeated duty  
 D. air-cuts arc duty

Question ID : 9277592282

Status : Answered

Chosen Option : A

Q.76 Which of the following is NOT one of the fields of application of photoelectric cell?

- Ans  A. Counting machines  
 B. Burglar arms  
 C. Street lightning  
 D. Reproduction of light in motion picture

Question ID : 9277592172

Status : Not Answered

Chosen Option : -

Q.77 Which of the following is INCORRECT with regard to the foremost properties of materials used for preparing resistances for precision measurement work?

- Ans  A. Robust construction  
 B. Cheapness  
 C. Small temperature co-efficient  
 D. High thermo-electric e.m.f. with copper

Question ID : 9277592158

Status : Answered

Chosen Option : D

Q.78 Which of the following is NOT used as an insulation medium in a transformer?

- Ans  A. Insulating oil  
 B. Insulating thread  
 C. Wood-based lamination  
 D. Insulating paper

Question ID : 9277592191

Status : Answered

Chosen Option : D

Q.79 An inverter is NOT a \_\_\_\_\_.

- Ans  A. converter  
 B. generator  
 C. static device  
 D. device with no moving part

Question ID : 9277592202

Status : Answered

Chosen Option : B



Q.80 Body centred cubic (B.C.C.) type crystal structure is found in \_\_\_\_\_

- Ans  A. sodium  
 B. aluminium  
 C. calcium  
 D. gold

Question ID : 9277592174

Status : Not Answered

Chosen Option : -

Q.81 \_\_\_\_\_ are conductors that are of large current carrying capacitor. They connect the substation to the area where power is to be finally distributed to consumers.

- Ans  A. Feeders  
 B. Service mains  
 C. Distributors  
 D. Tappings

Question ID : 9277592258

Status : Answered

Chosen Option : A

Q.82 'Hewlett, cemented cap and core and link' are types of which insulator used for overhead transmission line?

- Ans  A. Pin type  
 B. Strain type  
 C. Suspension type  
 D. Shackle type

Question ID : 9277592266

Status : Answered

Chosen Option : C

Q.83 In which of the following are choppers NOT used?

- Ans  A. Mine haulers  
 B. AC voltage regulators  
 C. Electric traction  
 D. Battery charging purposes

Question ID : 9277592197

Status : Answered

Chosen Option : C

Q.84 Which of the following is NOT the correct preventive measures to be applied for homes?

- Ans
- A. Provide proper earthing for the building/house.
  - B. Use switches of the correct current rating.
  - C. Ensure pins of your plugs are loose enough for proper inserting.
  - D. Allow only qualified persons to attend to your electrical repairs.

Question ID : 9277592271

Status : Not Answered

Chosen Option : -

Q.85 Which of the following is NOT a disadvantage of HVDC transmission system?

- Ans
- A. Ripples and harmonics are generated when AC is converted into DC.
  - B. Reactive power cannot be transmitted through a DC line.
  - C. Voltage cannot be stepped up.
  - D. The short circuit current required is high when compared to AC systems.

Question ID : 9277592265

Status : Answered

Chosen Option : A

Q.86 Which of the following is NOT one of the advantages of DCS (Distributed Control Systems)?

- Ans
- A. There is only marginal effect on the system capability on complete loss of data highway, due to any reason.
  - B. It enables the operator or plant engineer to use several control modes for monitoring a process.
  - C. DCS provides a better platform to implement ideas.
  - D. Its pre-installation cost is low and is easy to maintain.

Question ID : 9277592212

Status : Not Answered

Chosen Option : -

Q.87 \_\_\_\_\_ are used in applications where power consumption and space are more important than speed as in pocket calculators.

- Ans
- A. Dynamic MOS
  - B. Bi-shift registers
  - C. Static inverters
  - D. Static shift registers

Question ID : 9277592181

Status : Not Answered

Chosen Option : -

Q.88 The layout of a modern steam power plant does NOT comprise of which of the following circuits?

- Ans
- A. Air and gas circuit
  - B. Cooling water circuit
  - C. Coal and ash circuit
  - D. Water exit and flow circuit

Question ID : 9277592234

Status : Not Answered

Chosen Option : -

Q.89 A 5.0 ampere ammeter has a resistance of 0.01Ω. Determine the efficiency of the instrument.

- Ans
- A. 25.01 A/W
  - B. 20 A/W
  - C. 2 A/W
  - D. 10 A/W

Question ID : 9277592159

Status : Answered

Chosen Option : B

Q.90 0°/180° connection can also be defined as \_\_\_\_\_.

- Ans
- A. Delta/Star connection
  - B. Star/Star connection
  - C. Star/Delta connection
  - D. Indirect-star connection

Question ID : 9277592184

Status : Not Answered

Chosen Option : -

Q.91 Which of the following is the disadvantage of 'flux control method' (one of the speed control methods) of a DC shunt motor?

- Ans
- A. Power loss in the external resistance is very high.
  - B. It provides slightly complex control.
  - C. The speed control below normal rated speed is not possible.
  - D. As the field current is small the size of the rheostat required is small.

Question ID : 9277592193

Status : Answered

Chosen Option : C

Q.92 While making the choice of drive, which of the following factors is NOT considered?

- Ans
- A. Speed of driving and driven machines
  - B. Cost
  - C. Drive machine temperature
  - D. Space available

Question ID : 9277592300

Status : Answered

Chosen Option : C

Q.93

- Ans
- A. n conductors
  - B. zig-zag conductors
  - C. group of several conductors
  - D. flexible conductors

Question ID : 9277592213

Status : Answered

Chosen Option : B

Q.94 न न म से कौन-सा रोधक वफलता का कारण नह है?

- Ans
- A. इ सुलेटर ले जग
  - B. लैश ओवर
  - C. शाट स कट
  - D. यां क तबल

Question ID : 9277592267

Status : Answered

Chosen Option : A

Q.95 Which of the following is NOT one of the advantages of the combined cycle, i.e. 'combined gas turbine and diesel power plants'?

- Ans
- A. The combined system offers forced manual feature.
  - B. Less cooling water requirement.
  - C. It gives high ratio of power output to occupied ground space.
  - D. More suitable for rapid start and shut down.

Question ID : 9277592243

Status : Not Answered

Chosen Option : -

Q.96 \_\_\_\_\_ are generally used with pole guys on low voltage lines, where it is necessary to insulate the lower part of the guy wire from the pole for the safety of people and animals on the ground.

- Ans  A. Thread insulators  
 B. Strain insulators  
 C. Shackle type insulators  
 D. Pin type insulators

Question ID : 9277592224  
Status : Not Answered  
Chosen Option : -

Q.97 \_\_\_\_\_ is NOT included in battery charging system.

- Ans  A. A container for the batteries  
 B. Rectifier  
 C. Inverter  
 D. Generator

Question ID : 9277592252  
Status : Answered  
Chosen Option : D

Q.98 In a single-phase full bridge inverter, the number of thyristors and diodes is \_\_\_\_\_ of a single-phase half-bridge inverter.

- Ans  A. quarter  
 B. Twice  
 C. half  
 D. equivalent to that

Question ID : 9277592204  
Status : Answered  
Chosen Option : A

Q.99 Which of the following is NOT one of the analog to digital (A/D) conversion techniques?

- Ans  A. Voltage to-time conversion method  
 B. Successive approximation method  
 C. Single slope integration method  
 D. Voltage to frequency conversion method

Question ID : 9277592166  
Status : Not Answered  
Chosen Option : -

Q.100 \_\_\_\_\_ is a programming language that utilises statements to determine what to execute.

- Ans
- A. Function block diagram
  - B. Structured text programming
  - C. Sequential block diagram
  - D. Instruction programming

Question ID : 9277592288

Status : Not Answered

Chosen Option : -

Q.101 There are \_\_\_\_\_ number of digits in a binary number system.

- Ans
- A. 8
  - B. 2
  - C. 4
  - D. 6

Question ID : 9277592177

Status : Answered

Chosen Option : B

Q.102 Which of the following applications use shunt DC motors?

- Ans
- A. Milling machines
  - B. Electric locomotives
  - C. Elevators
  - D. Hoists and elevators

Question ID : 9277592189

Status : Not Answered

Chosen Option : -

Q.103 \_\_\_\_\_ is the luminous flux received by a surface per unit area.

- Ans
- A. Candle power
  - B. Lumen
  - C. Illumination
  - D. Luminance

Question ID : 9277592302

Status : Answered

Chosen Option : C

Q.104 Select, from the following options, the INCORRECT use of ash of steam power plants.

- Ans
- A. Ash is used in the production of concrete
  - B. Ash is widely used in the production of cement
  - C. From the ash, metals such as Fe, Si and titanium can be recovered
  - D. Because of their residual value, they are used for treating neutral soils which increases yield of wheat, sugarcane etc.

Question ID : 9277592238

Status : Not Answered

Chosen Option : -



Q.105 \_\_\_\_\_ is one type of switch, the contacts of which are opened or closed by the position of mercury placed in a tube.

- Ans
- A. Intermediate switch
  - B. Shift switch
  - C. Float switch
  - D. Selector switch

Question ID : 9277592231

Status : Answered

Chosen Option : C

Q.106 Which of the following is NOT an advantage of gas turbine power plants over diesel power plants?

- Ans
- A. Poor quality fuels can be used
  - B. Good part load efficiency
  - C. Less space requirements
  - D. Capital cost considerably less

Question ID : 9277592240

Status : Not Answered

Chosen Option : -

Q.107 Which of the following is also known as 'condition based maintenance' strategy?

- Ans
- A. Predictive maintenance
  - B. Preventive maintenance
  - C. Proactive maintenance
  - D. Reactive maintenance

Question ID : 9277592293

Status : Not Answered

Chosen Option : -

Q.108 निम्न में से ऑफ़लाइन यू.पी.एस. (UPS) के सही अनुप्रयोग (application) का चयन करें?

Ans

- A प्रेरण मोटर ड्राइव (Induction motor drives)
- B. आपातकालीन बिजली आपूर्ति, EPABX (Emergency power supplies, EPABX)
- C. गहन देखभाल इकाइयाँ (Intensive care units)
- D. चिकित्सा उपकरण (Medical equipment)

Question ID : 9277592205

Status : Not Answered

Chosen Option : -

Q.109 Which of the following is NOT the reason why mechanical handling of coal is preferred over manual handling in a steam power plant?

- Ans
- A. Capital cost of the preferred handling system is low.
  - B. Can be easily started and can be economically adjusted according to the need.
  - C. Operation is easy and smooth.
  - D. Less labour is required.

Question ID : 9277592235

Status : Not Answered

Chosen Option : -

Q.110 Which of the following systems is NOT used to distribute power to a consumer?

- Ans
- A. Single-phase ac supply using a 3-wire system.
  - B. Three-phase ac supply using a 3-wire system.
  - C. Supply of three-phase and neutral using a 4-wire system.
  - D. Single-phase ac supply using a 2-wire system.

Question ID : 9277592215

Status : Not Answered

Chosen Option : -

Q.111 Which of the following point should not be given due consideration while selecting the site for a gas turbine plant?

- Ans
- A. The distance from the nearest power plant.
  - B. Availability of labour.
  - C. The bearing capacity of the land should be high.
  - D. Availability of means of transport.

Question ID : 9277592241

Status : Not Answered

Chosen Option : -

Q.112 Select the INCORRECT statement with regard to LEDs.

- Ans
- A. LEDs are rugged and therefore withstand shocks and vibrations.
  - B. LEDs are suited for large area displays, primarily because of their low cost.
  - C. LEDs are economical and have a high degree of reliability.
  - D. LEDs are available which emit light in different colours like red, green, yellow and amber.

Question ID : 9277592163

Status : Answered

Chosen Option : A

Q.113 The \_\_\_\_\_ is mainly utilised for spreading the magnetic flux to avoid the field coil from falling.

- Ans  A. pole shoe  
 B. brush  
 C. yoke  
 D. commutator

Question ID : 9277592186  
Status : Answered  
Chosen Option : A

Q.114 Which of the following conventional methods of laying underground cables is NOT used nowadays?

- Ans  A. Laying in troughs  
 B. Laying cables on racks and cleats  
 C. Laying directly in the ground  
 D. Drawing into pipes or ducts

Question ID : 9277592227  
Status : Not Answered  
Chosen Option : -

Q.115

- Ans  A. Two way bell push  
 B. Two way switch  
 C. Intermediate switch  
 D. Two-pole one way switch

Question ID : 9277592218  
Status : Answered  
Chosen Option : C

Q.116 The insulation provided to underground cables should NOT have \_\_\_\_\_.

- Ans  A. high viscosity at working temperature  
 B. high resistivity  
 C. low absorption of moisture  
 D. low thermal coefficient

Question ID : 9277592269  
Status : Answered  
Chosen Option : D

Q.117 The ratio of power available at the shaft of the turbine to the power supplied by the water at the inlet of the turbine is known as:

- Ans
- A. overall efficiency
  - B. mechanical efficiency
  - C. hydraulic efficiency
  - D. volumetric efficiency

Question ID : 9277592245

Status : Answered

Chosen Option : B

Q.118 Magnetising force which is necessary to neutralise completely the magnetism is an electromagnet after the value of magnetising force becomes zero.

The given statement is true for:

- Ans
- A. ductility
  - B. absolute permeability
  - C. magnetic hysteresis
  - D. coercive force

Question ID : 9277592176

Status : Answered

Chosen Option : D

Q.119 \_\_\_\_\_ is the symbol used for shunt conductance (one of the parameters of electric transmission line conductor).

- Ans
- A. C
  - B. R
  - C. G
  - D. L

Question ID : 9277592259

Status : Answered

Chosen Option : C

Q.120 \_\_\_\_\_ is used to store program codes.

- Ans
- A. System memory
  - B. Data memory
  - C. User memory
  - D. Executive memory

Question ID : 9277592289

Status : Not Answered

Chosen Option : -

Q.121 Super tension cables are generally used up to \_\_\_\_\_ kV.

- Ans  A. 33  
 B. 66  
 C. 11  
 D. 132

Question ID : 9277592268  
Status : Answered  
Chosen Option : A

Q.122 Air-break circuit breakers are used in DC. circuits and AC circuits \_\_\_\_\_, where air at atmospheric pressure is used.

- Ans  A. above 760 kV  
 B. up to 12 kV  
 C. for 220 kV and above  
 D. for 33 kV and above

Question ID : 9277592277  
Status : Answered  
Chosen Option : B

Q.123 The output best suited for both AC and DC output devices is \_\_\_\_\_.

- Ans  A. transistor output  
 B. relay output  
 C. triac output  
 D. delta output

Question ID : 9277592286  
Status : Answered  
Chosen Option : A

Q.124 The mechanical heart of a diesel engine is the\_\_\_\_\_.

- Ans  A. engine starting system  
 B. fuel injection system  
 C. air intake system  
 D. exhaust system

Question ID : 9277592239  
Status : Not Answered  
Chosen Option : -

Q.125 Which of the following types of starters are used in DC shunt motors?

- Ans  A. Five point starters  
 B. Two point starters  
 C. Pointless starters  
 D. Four point starters

Question ID : 9277592195  
Status : Answered  
Chosen Option : D

Q.126 Which of the following instruments use the Hall effect?

- Ans
- A. Voltmeters
  - B. Integrating meters
  - C. Watt meters
  - D. Flux meters

Question ID : 9277592160

Status : Answered

Chosen Option : D

Q.127 Which method of arc extinction is employed in DC circuit breakers and in low and medium voltage AC circuit breakers?

- Ans
- A. Zero principle interruption.
  - B. High resistance interruption.
  - C. Low resistance interruption.
  - D. Zero point-interruption.

Question ID : 9277592276

Status : Answered

Chosen Option : A

Q.128 The alternating magnetic flux in a conductor caused by the current flowing in a neighbouring conductor gives rise to circulating currents, which causes an apparent increase in the resistance of a conductor. This phenomenon is called the \_\_\_\_\_.

- Ans
- A. surrogacy effect
  - B. spirality effect
  - C. proximity effect
  - D. skin effect

Question ID : 9277592261

Status : Answered

Chosen Option : C

Q.129 The generator whose field magnet winding is supplied from an independent external DC source is called:

- Ans
- A. separately excited DC generator
  - B. series-shunt DC generator
  - C. individual shunt DC generator
  - D. compounded separate DC generator

Question ID : 9277592188

Status : Answered

Chosen Option : A



Q.130

- Ans  A. Open link.  
 B. Link.  
 C. Three-pole switch, line representation.  
 D. Circuit breaker.

Question ID : 9277592216  
Status : Answered  
Chosen Option : A

Q.131 \_\_\_\_\_ is NOT one of the types of a 'digital voltmeter'.

- Ans  A. Integrating type DVM  
 B. Ramp type DVM  
 C. Static balance type DVM  
 D. Potentiometric type DVM

Question ID : 9277592161  
Status : Not Answered  
Chosen Option : -

Q.132 Which of the following is NOT the correct point to be considered in designing a good lightning scheme?

- Ans  A. The selection of the required lamp and fitting.  
 B. The temperature of the room.  
 C. The size of the room.  
 D. The intensity of illumination required.

Question ID : 9277592228  
Status : Answered  
Chosen Option : B

Q.133 Which of the following logic functions is used for load connecting a "NOT" contact to the left-hand bus bar?

- Ans  A. AND NOT  
 B. NOT  
 C. LD NOT  
 D. LD

Question ID : 9277592210  
Status : Not Answered  
Chosen Option : -

Q.134 Which of the following is NOT one of the element items included in electrical equipment of hydro-electric plant?

- Ans  A. Oil circuits and pumps  
 B. Exciters  
 C. Switchgear  
 D. Control room equipment

Question ID : 9277592248

Status : Answered

Chosen Option : A

Q.135 Which of the following is NOT necessary to be checked while maintaining cross arms of lines?

- Ans  A. Sinking of earth around the pole  
 B. Tilting of cross arms  
 C. Rusting of cross arms  
 D. Creeper on cross arms

Question ID : 9277592296

Status : Not Answered

Chosen Option : -

Q.136 Which of the following is NOT an advantage of hydro-electric plants?

- Ans  A. Running cost of the plant is low.  
 B. It takes considerably less time for the erection of such plants.  
 C. It is highly reliable.  
 D. It takes few minutes to run and synchronise the plant.

Question ID : 9277592244

Status : Answered

Chosen Option : D

Q.137 Which of the following methods of starting is required for induction motors of high rating?

- Ans  A. Direct on line starters  
 B. Start delta starters  
 C. Rotor resistance starters  
 D. Auto-transformer starters

Question ID : 9277592221

Status : Answered

Chosen Option : D

Q.138 Which of the following is NOT one of the components of 'Programmable Logic Controller'?

- Ans  A. Memory  
 B. Battery  
 C. CPU  
 D. Microprocessor

Question ID : 9277592207  
Status : Answered  
Chosen Option : B

Q.139 The power developed at hydroelectric plants depends upon:

- Ans  A. Heat transferred to turbine.  
 B. Cumulative weight of heat loss.  
 C. Head and discharge.  
 D. Alternator efficiency.

Question ID : 9277592246  
Status : Answered  
Chosen Option : C

Q.140 \_\_\_\_\_ has a fixed number of I/O modules and external I/O cards. So, it does NOT have the capability to expand the modules.

- Ans  A. Dynamic PLC  
 B. Modular PLC  
 C. Multi-concept PLC  
 D. Compact PLC

Question ID : 9277592285  
Status : Not Answered  
Chosen Option : -

Q.141 \_\_\_\_\_ is one of the type of electrical dust collectors from steam power plants.

- Ans  A. Rod type.  
 B. Packed type.  
 C. Cyclone separators.  
 D. Spray type.

Question ID : 9277592236  
Status : Not Answered  
Chosen Option : -

Q.142

- Ans  A. Homopolar link.  
 B. Monopolar link.  
 C. Biopolar link.  
 D. Induced link.

Question ID : 9277592264  
Status : Answered  
Chosen Option : C

Q.143 For \_\_\_\_\_, the total resistance, inductance and capacitance (line parameters) are considered as uniformly distributed.

- Ans
- A. medium transmission lines
  - B. ultra-short transmission
  - C. short transmission lines
  - D. long transmission lines

Question ID : 9277592253

Status : Answered

Chosen Option : C

Q.144 \_\_\_\_\_ have frequency band range 20 kHz - 30 MHz.

- Ans
- A. Very high frequency oscillators
  - B. High frequency oscillators
  - C. Radio frequency oscillators
  - D. Video frequency oscillators

Question ID : 9277592167

Status : Answered

Chosen Option : C

Q.145 Which of the following motors are used in machine tools?

- Ans
- A. D.C. cumulative motors
  - B. Squirrel-cage motors
  - C. Pipe ventilated type motors
  - D. Slip ring induction motors

Question ID : 9277592299

Status : Answered

Chosen Option : A

Q.146 Which type of fuses from the following are used in control circuits?

- Ans
- A. Kit-kat fuses
  - B. Cartridge fuses
  - C. Rewirable fuses
  - D. Copper wire fuses

Question ID : 9277592230

Status : Not Answered

Chosen Option : -

Q.147 Single phase full-wave controlled rectifier is also called:

- Ans
- A. one SCR rectifier
  - B. two quadrant converter
  - C. double SCR rectifier
  - D. one quadrant converter

Question ID : 9277592200

Status : Not Answered

Chosen Option : -

Q.148 Which of the following is NOT the correct match for assessing the total load of a building that should be adopted after deciding the number and type of outlets?

- Ans  A. Ceiling fans - 100 watts  
 B. Power sockets (15 A socket) - 500 watts  
 C. Incandescent light point - 60 watts  
 D. Light sockets (5A socket) - 100 watts

Question ID : 9277592220

Status : Answered

Chosen Option : B

Q.149 Which of the following is NOT one of the advantages of tidal power generation?

- Ans  A. It is free from pollution.  
 B. Large area of valuable land is not required.  
 C. As compared to other sources of energy, this is economical.  
 D. It is completely independent of the precipitation and its uncertainty, besides being inexhaustible.

Question ID : 9277592251

Status : Answered

Chosen Option : D

Q.150 \_\_\_\_\_ in Boolean algebra is similar to addition in ordinary algebra.

- Ans  A. NAND operation  
 B. NOT operation  
 C. AND operation  
 D. OR operation

Question ID : 9277592179

Status : Answered

Chosen Option : D

Section : General Knowledge or Awareness

Q.1 निम्न में से कौन-सा कथन सही है?

Ans

- X A. दक्कन प्रायद्वीप, अरब सागर में भी फैला हुआ है।  
B. मालदीव द्वीप, लक्षद्वीप द्वीप समूह के उत्तर में स्थित है।  
X C. लक्षद्वीप द्वीपसमूह, अरब सागर में स्थित है।  
X D. हिंद महासागर पर श्रीलंका की सबसे लंबी तट रेखा है।

Question ID : 9277592315

Status : Answered

Chosen Option : A

Q.2 Which of the following is NOT included in the term 'biometric information' as described by the Aadhaar (Targeted Delivery of Financial and Other Subsidies, Benefits and Services) Act, 2016?

- Ans  A. Height  
 B. Iris scan  
 C. Fingerprint  
 D. Photograph

Question ID : 9277592320

Status : Answered

Chosen Option : A

Q.3 निम्न में से कौन-सा कथन गलत है?

- Ans  A. न्यूनतम समर्थन मूल्य में वृद्धि ने किसानों को, विशेष रूप से अधिशेष राज्यों में, मोटे अनाज के उत्पादन से हटकर चावल और गेहूं के उत्पादन के लिए भूमि का उपयोग करने के लिए, प्रेरित किया है।  
 B. न्यूनतम समर्थन मूल्य में बढ़ोतरी ने सरकार द्वारा खाद्यान्नों की खरीद की रखरखाव लागत को बढ़ा दिया है।  
 C. भारतीय खाद्य सुरक्षा और मानक प्राधिकरण, न्यूनतम समर्थन मूल्य नामक मूल्य पर किसानों से अधिशेष खाद्यान्न खरीदता है।  
 D. सरकार द्वारा न्यूनतम समर्थन मूल्य प्रत्येक वर्ष बुवाई के मौसम से पहले निर्धारित किया जाता है।

Question ID : 9277592309

Status : Not Answered

Chosen Option : -

Q.4 In December 2020, \_\_\_\_\_ became the first Indian to win a Formula 2 Grand Prix.

- Ans  A. Gaurav Gill  
 B. Armaan Ebrahim  
 C. Karun Chandok  
 D. Jehan Daruvala

Question ID : 9277592323

Status : Not Answered

Chosen Option : -

Q.5 'Me-Dam (Dum)-Me-Phi' is a festival celebrated by the \_\_\_\_\_ tribe of North East India.

- Ans  A. Jaintia  
 B. Khasi  
 C. Ahom  
 D. Karbi

Question ID : 9277592305

Status : Not Answered

Chosen Option : -

Q.6 निम्न में से कौन-सा एक वाद्य यंत्र (musical instrument) नहीं है?

Question ID : 9277592307

Ans  A. बियानाम (Biyanaam)

Status : Not Answered

B. खोल (Khol)

Chosen Option : -

C. पेपा (Pepa)

D. बान्ही (Baanhi)

Q.7 निम्न में से कौन-सा 'ट्रिटिकम (Triticum)' वंश से संबंधित है?

Ans  A. मनुष्य

B. गेहूँ

C. आम

D. मक्खी

Question ID : 9277592312

Status : Answered

Chosen Option : D

Q.8 The quality of \_\_\_\_\_ is an important factor that decides the biodiversity in an area.

Ans  A. topsoil

B. bedrock

C. subsoil

D. parent rock

Question ID : 9277592314

Status : Not Answered

Chosen Option : -

Q.9 The Union Budget 2020 raised custom duty on footwear by \_\_\_\_\_.

Ans  A. 15 percent

B. 5 percent

C. 10 percent

D. 2 percent

Question ID : 9277592308

Status : Not Answered

Chosen Option : -

Q.10 कान म ल के ट खलाड़ी ह, जो \_\_\_\_\_ से संबंधित ह।

Ans  A. बां लादेश

B. ीलंका

C. भारत

D. नेपाल

Question ID : 9277592322

Status : Not Answered

Chosen Option : -



Q.11 16 दिसंबर 2020 को, \_\_\_\_\_ ने विजय दिवस के अवसर पर दिल्ली के राष्ट्रीय युद्ध स्मारक पर 'स्वर्णिम विजय मशाल' प्रज्वलित की थी।

- Ans  A. प्रधान मंत्री, नरेंद्र मोदी  
 B. गृह मंत्री, अमित शाह  
 C. रक्षा मंत्री, राजनाथ सिंह  
 D. रक्षा प्रमुख (चीफ ऑफ डिफेंस स्टाफ), जनरल बिपिन रावत

Question ID : 9277592318

Status : Answered

Chosen Option : A

Q.12 Which of the following communities of India celebrates the rice harvest festival 'Puttari'?

- Ans  A. Kodava  
 B. Konkani  
 C. Mishmi  
 D. Tuluva

Question ID : 9277592306

Status : Not Answered

Chosen Option : -

Q.13 निम्न में से कौन-सा इन्फ्लूएंजा (influenza) का लक्षण नहीं है?

- Ans  A. आँखों में पीलापन  
 B. सर्दी, खांसी और छींक  
 C. बुखार  
 D. सिरदर्द और बदन दर्द

Question ID : 9277592311

Status : Not Answered

Chosen Option : -

q.14 भारतीय संविधान के अनुसार, मंत्रिपरिषद में प्रधान मंत्री सहित कुल मंत्रियों की संख्या लोक सभा के सदस्यों की कुल संख्या के से अधिक नहीं होनी चाहिए।

- Ans  
XA. 12 प्रतिशत  
XB. 10 प्रतिशत  
C. 15 प्रतिशत  
XD. 18 प्रतिशत

Question ID : 9277592321

Status : Answered

Chosen Option : C

Q.15 पेशवा बाजीराव द्वितीय के दत्तक पुत्र \_\_\_\_\_ ने अंग्रेजों से आग्रह किया कि उनके पिता को जो पेंशन मिलती थी वह पेंशन उनके पिता की मृत्यु के बाद उन्हें मिले।

- Ans
- A. नारायण राव
  - B. नाना फडणवीस
  - C. नाना साहेब
  - D. बालाजी बाजीराव

Question ID : 9277592317

Status : Not Answered

Chosen Option : -

Q.16 तानिकाशोध/मेनिन्जाइटिस का संक्रमण निम्नलिखित में से किस तरीके से संचारित होता है?

- Ans
- A. ड्रॉपलेट संक्रमण (Droplet infection)
  - B. सीधा संपर्क या स्पर्श
  - C. मिट्टी के साथ संपर्क
  - D. त्वचा या म्यूकोसा में टीकाकरण

Question ID : 9277592313

Status : Not Answered

Chosen Option : -

Q.17. समाजवादी प्रवृत्ति वाले कट्टरपंथी राष्ट्रवादी थे, जिन्होंने भारत को ब्रिटिश शासन से मुक्त करने हेतु सिंगापुर में सेना निर्माण के लिए गुप्त रूप से भारत छोड़ दिया था।

Ans

- XA. राम प्रसाद बिस्मिल
- X B. खान अब्दुल गफ्फार खान
- C. स्भाष चन्द्र बोस
- X D. बी. आर. अंबेडकर

Question ID : 9277592316

Status : Not Answered

Chosen Option : -

Q.18 As of January 2020, which of the following stadiums/grounds has the world's largest manually operated scoreboard?

- Ans
- A. Lord's Cricket Ground
  - B. Eden Park
  - C. Adelaide Oval
  - D. Green Park Stadium

Question ID : 9277592324

Status : Not Answered

Chosen Option : -

Q.19 The Union Budget 2020 allocated ₹ \_\_\_\_\_ crore for the promotion of tourism in 2020-21.

- Ans  A. 500  
 B. 2500  
 C. 1000  
 D. 3500

Question ID : 9277592310

Status : Not Answered

Chosen Option : -

Q.20 वयोवृद्ध राजनीतिक नेता एस.सी. जमीर, जिन्हें 2020 में पद्म भूषण से सम्मानित किया गया था, \_\_\_\_\_ के पूर्व मुख्यमंत्री हैं।

- Ans  A. गोवा  
 B. ओडिशा  
 C. नगालैंड  
 D. गुजरात

Question ID : 9277592319

Status : Not Answered

Chosen Option : -

Section : Reasoning

Q.1 How many rectangles are there in the given figure?

- Ans  A. 21  
 B. 30  
 C. 20  
 D. 29

Question ID : 9277592343

Status : Not Attempted and Marked For Review

Chosen Option : -

Q.2 Which letter cluster from the options will replace the question mark in the following series:  
RXV, OVU, LTT, IRS, ?

- Ans  A. EQS  
 B. FPR  
 C. EPS  
 D. DST

Question ID : 9277592325

Status : Answered

Chosen Option : B

Q.3 Study the diagram carefully and answer the question that follows.

The given diagram shows the number of students who failed in different languages.

What is the number of students who failed in at least two languages? Did

- Ans
- A. 8
  - B. 5
  - C. 20
  - D. 28

Question ID : 9277592338

Status : Answered

Chosen Option : C

Q.4 Which diagram best represents the relation between:  
World, England, India and Punjab

- Ans
- A.
  - B.
  - C.
  - D.

Question ID : 9277592337

Status : Answered

Chosen Option : B

Q.5 हामिद ने अपने घर से शुरुआत की और सीधे 3 km तक चला। फिर वह अपने दाईं ओर मुड़ गया और 2 km तक चला फिर से वह अपनी बाईं ओर मुड़ा और 2 km आगे चला गया। इसके बाद, वह 90 डिग्री दक्षिणावर्त घूमा और सीधे दक्षिण की ओर चलने लगा। वह 3 km बाद एक बिंदु X पर पहुंचा। बिंदु X के संबंध में हामिद के घर की दिशा क्या है?

Ans

- X A. दक्षिण
- B. उत्तर-पश्चिम
- X C. उत्तर
- X D. दक्षिण-पूर्व

Question ID : 9277592339

Status : Answered

Chosen Option : C

Q.6 The image given in the question is the water image of which option figure?

- Ans
- A.
  - B.
  - C.
  - D.

Question ID : 9277592340

Status : Answered

Chosen Option : D

Q.7 Which number will replace the question mark (?) in the following series? 6, 11, 18, 27, 38, 51, ?

- Ans  A. 64  
 B. 60  
 C. 68  
 D. 66

Question ID : 9277592335

Status : Answered

Chosen Option : D

Q.8 Two positions of a dice — marked with letters E, F, G, H, I and J — are shown below. Identify the letter on the face opposite to the face having letter J on it.

- Ans  A. F  
 B. E  
 C. H  
 D. G

Question ID : 9277592344

Status : Answered

Chosen Option : B

Q.9 The given question consists of a statement, followed by two arguments numbered I and II. You have to decide which of the argument(s) is(are) 'strong' and accordingly select the correct option.

Statement: Abortion should be banned.

Arguments: I. No, it should not be banned because most of the countries have not banned it.  
II. Yes, it should be banned because life begins at conception, so unborn babies are human beings with a right to life.

- Ans  A. None of the arguments is strong.  
 B. Both the arguments are strong.  
 C. Only argument I is strong.  
 D. Only argument II is strong.

Question ID : 9277592334

Status : Answered

Chosen Option : D

Q.10 Select the option that is related to the third word in the same way as the second word is related to the first word.  
Rabbit : Leap :: Eagle : ?

- Ans  A. Amble  
 B. Frisk  
 C. Swoop  
 D. Strut

Question ID : 9277592328

Status : Not Answered

Chosen Option : -

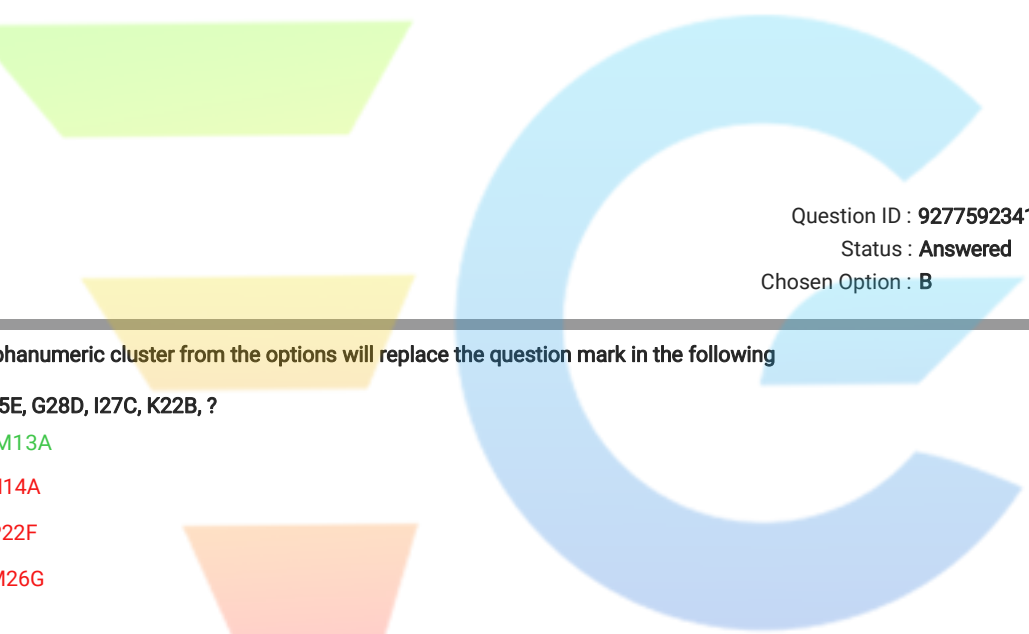
Q.11 In a certain coding system, if "BAT" is coded as 6, "GOAT" is coded as 8, then how will "TIGER" be coded in the same coding system?

- Ans  A. 32  
 B. 10  
 C. 49  
 D. 14

Question ID : 9277592329  
Status : Answered  
Chosen Option : D

Q.12 Which option figure will replace the question mark in the following series:

- Ans  A.  
 B.  
 C.  
 D.



Question ID : 9277592341  
Status : Answered  
Chosen Option : B

Q.13 Which alphanumeric cluster from the options will replace the question mark in the following series:  
C18F, E25E, G28D, I27C, K22B, ?

- Ans  A. M13A  
 B. N14A  
 C. P22F  
 D. M26G

Question ID : 9277592326  
Status : Answered  
Chosen Option : A

Q.14 Two statements are given followed by two conclusions I and II. You have to consider the two statements to be true even if they seem to be at variance from commonly known facts and then decide which of the given conclusion(s) logically follows/follow from the given statements.

Statements: All Cups are plates. Some plates are spoons.

Conclusions: I. Some spoons are plates. II. Some plates are Cups.

- Ans  A. Neither conclusion I nor II follows.  
 B. Both conclusions I and II follow.  
 C. Only conclusion II follows.  
 D. Only conclusion I follows.

Question ID : 9277592333  
Status : Answered  
Chosen Option : B

Q.15 Select the option that is related to the third figure in the same way as the second figure is related to the first figure.

- Ans  A.  
 B.  
 C.  
 D.

Question ID : 9277592342  
Status : Answered  
Chosen Option : B

Q.16 If 'minute' is called 'second', 'second' is called 'metre', 'metre' is called 'hour', 'hour' is called 'litre', 'litre' is called 'kilogram', then the length of a table is measured in:

- Ans  A. Metre  
 B. Litre  
 C. Hour  
 D. Second

Question ID : 9277592330  
Status : Answered  
Chosen Option : C

Q.17 There are six members in a family. Of these six members, two are married couples. M is the son of J. L is the only daughter of H and I. J and N are the brothers of L. K is the sister-in-law of L. How is M related to I?

- Ans  A. Son  
 B. Father  
 C. Grandson  
 D. Brother

Question ID : 9277592332  
Status : Answered  
Chosen Option : C

Q.18 By interchanging which of the two numbers will the following equation become mathematically correct?

$$3 \times 9 + 8 \div 2 - 7 = 16$$

- Ans  A. 2 & 9  
 B. 9 & 7  
 C. 8 & 3  
 D. 3 & 2

Question ID : 9277592336  
Status : Answered  
Chosen Option : B

Q.19 Read the given information and answer the question that follows.

Shalu and Garun play Chess and Badminton. Meena and Garun play Cricket and Chess. Shalu, Puneet and Geeta play Badminton and Ludo. Garun and Puneet play Chess and Hockey.

Who plays Chess and Cricket both but not Badminton?

- Ans  A. Puneet  
 B. Shalu  
 C. Meena  
 D. Garun

Question ID : 9277592331

Status : Answered

Chosen Option : C

Q.20 Select the option that is related to the third letter cluster in the same way as the second letter cluster is related to the first letter cluster.

HJLN : OPQR :: KNPT : ?

- Ans  A. RSUY  
 B. RTUX  
 C. STVV  
 D. QTYZ

Question ID : 9277592327

Status : Answered

Chosen Option : A

Section : General Hindi

Q.1 निम्नलिखित में से कौन

सा शब्द तद्भव है?

Ans

- A. सूई  
X B. सुगंध  
X C. सूर्य  
X D. शय्या

Question ID : 9277592345

Status : Answered

Chosen Option : A



Q.2 निम्नलिखित में से कौन सा शब्द तद्भव है?

Ans

- X A. बाहु
- B. बिजली
- X C. बंधन
- X D. बिन्दु

Question ID : 9277592347

Status : Answered

Chosen Option : B

Q.3 'आक्रमण करने वाला वाक्यांश के लिए सार्थक शब्द कौन सा है?

Ans

- X A. आततायी
- X B. आक्रांत
- X C. आत्महंता
- D. आक्रामक

Question ID : 9277592349

Status : Answered

Chosen Option : D

Q.4 निम्नलिखित में से कौन सा शब्द तद्भव है?

- Ans
- ✓ A. मीत
  - ✗ B. मयूर
  - ✗ C. मुख
  - ✗ D. मेघ

Question ID : 9277592346

Status : Not Answered

Chosen Option : -

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Question ID : 9277592352

Status : Answered

Q.5 निम्नलिखित 'एकवचन - बहुवचन' के समुच्चय में क

- Ans
- ✗ A. नीति - नीतिएँ
  - ✗ B. लता - लतें
  - ✗ C. चिड़िया - चिड़िएँ
  - ✓ D. कामना - कामनाएँ

Chosen Option : D

Q.5 निम्नलिखित 'एकवचन - बहुवचन' के समुच्चय में कौन सा युग्म सही है

- Ans
- A. नीति - नीतिरें
  - B. लता - लतें
  - C. चिड़िया - चिड़िरें
  - D. कामना - कामनारें

Q.6 'नीरज नीरद' शब्द-युग्म का सही अर्थ है-

Ans

A. कमल बादल

X B. कमल समुद्र

X C. पानी कमल

X D. बादल - कमल

Question ID : 9277592351

Status : Answered

Chosen Option : C

Q.7 'नष्ट होने के करीब होना' अर्थ के लिए सही मुहावरा कौन सा है?

- Ans
- A. चिराग तले अँधेरा होना
  - B. चोटी का पसीना एड़ी तक आना
  - C. चींटी के पर निकलना
  - D. चार दिन की चाँदनी

Question ID : 9277592354

Status : Answered

Chosen Option : D

Q.8 'नशा - निशा' शब्द-युग्म का सही अर्थ है -

- Ans
- A. मादकता - रात
  - B. रात - मादकता
  - C. मादकता - स्त्री
  - D. घमंड - रात

Question ID : 9277592350

Status : Not Answered

Chosen Option : -

Q.9 पदार्थवाचक संज्ञा के कितने भेद हैं?

- Ans
- A. 2
  - B. 3
  - C. 4
  - D. 5

Question ID : 9277592348

Status : Not Answered

Chosen Option : -

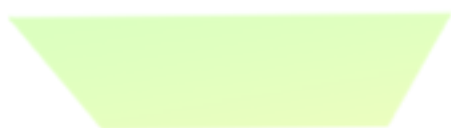
Q.10 निम्नलिखित में से मध्यमपुरुष का उदाहरण है -

- Ans  A. हम  
 B. तुम  
 C. वह  
 D. मैं

Question ID : 9277592353

Status : Answered

Chosen Option : B



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