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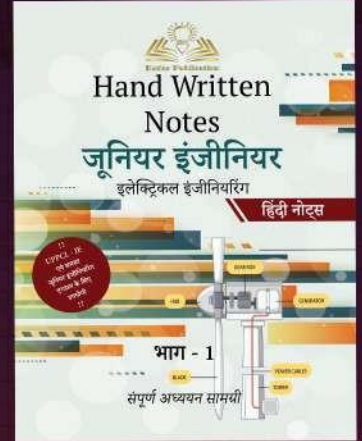
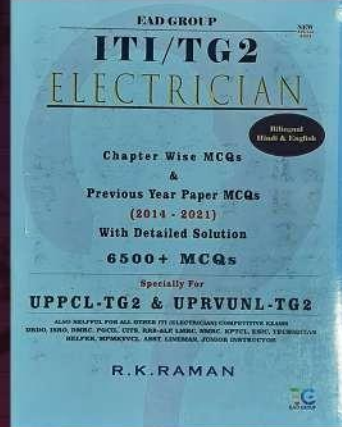
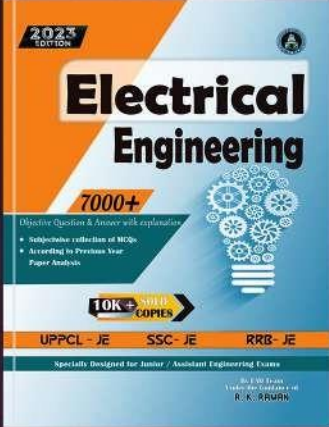
## Objective Book for

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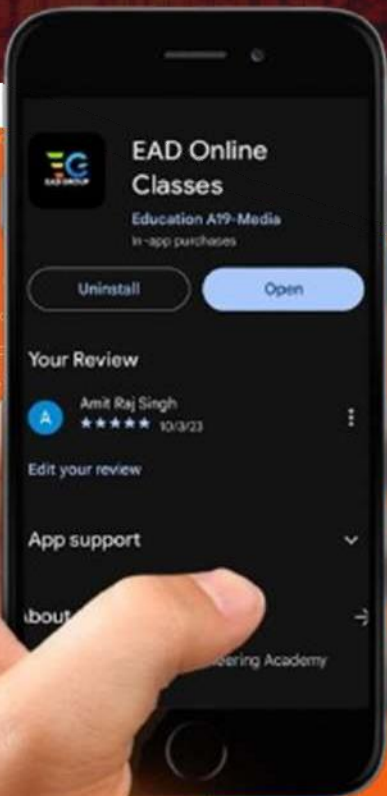
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# Uttar Pradesh Power Corporation Limited

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Participant ID	
Participant Name	EAD GROUP
Test Center Name	iON Digital Zone iDZ 2 Industrial Area Panki
Test Date	08/09/2021
Test Time	2:30 PM - 5:30 PM
Subject	Junior Engineer (Trainee) Electrical

Section : Domain Knowledge

Q.1 What is the aim of all energy conservation techniques? Ans  A. To experiment with new energy sources

- B. To reduce energy losses  
 C. To promote non-renewable energy sources  
 D. To replace old equipment with new ones

Question ID : 9277593712

Status : Answered

Chosen Option : B

Q.2 Which of the following is the correct sequence of steps in a coal handling system? Ans  A. Preparation, Inplant handling, Furnace firing, Coal delivery

- B. Coal delivery, Preparation, Inplant handling, Furnace firing  
 C. Coal delivery, Preparation, Furnace firing, Inplant handling  
 D. Inplant handling, Furnace firing, Coal delivery, Preparation

Question ID : 9277593693

Status : Answered

Chosen Option : B

Q.3 The average current rating of a semiconductor diode will be maximum for: Ans  A. half-wave rectified ac

- B. full-wave rectified ac  
 C. pure dc  
 D. pure ac

Question ID : 9277593680

Status : Answered

Chosen Option : C

Q.4 For transformers above 1000 KVA rating, inspection of Buchholz relay is carried out:Ans  A. every year

- B. every 4 years
- C. every 2 years
- D. every 3 years

Question ID : 9277593746  
Status : Answered  
Chosen Option : A

Q.5 Intermediate switch is also called the \_\_\_\_.

Ans  A. one-way switch

- B. four-way switch
- C. two-way centre-off switch
- D. two-way switch

Question ID : 9277593686  
Status : Answered  
Chosen Option : D

Q.6 Which of the following is NOT an example of inert gas welding?Ans  A. Thermit welding

- B. TIG welding
- C. MIG welding
- D. MAG welding

Question ID : 9277593756  
Status : Answered  
Chosen Option : A

Q.7 Which of the following is NOT a valid advantage of underground system of electrical distribution as compared to overhead system?

Ans  A. Decent appearance

- B. Long life
- C. Less maintenance
- D. Low cost

Question ID : 9277593688  
Status : Answered  
Chosen Option : D

Q.8 In common collector configuration of transistor, the voltage gain is always:Ans  A. less than unity

- B. infinity
- C. greater than unity
- D. zero

Question ID : 9277593673  
Status : Answered  
Chosen Option : B



Q.9 The wave used to minimise heat dissipation in the switching transistor of an SMPS is a:Ans  A. triangular wave

- B. sine wave
- C. saw-tooth wave
- D. square wave

Question ID : 9277593676  
Status : Answered  
Chosen Option : A

Q.10 Which of the following faults is least likely to occur in power systems?Ans  A. L-L

- B. L-L-L
- C. L-L-G
- D. L-G

Question ID : 9277593726  
Status : Answered  
Chosen Option : C

Q.11 Which of the following heating elements is suitable for the highest temperature?Ans  A. Nichrome

- B. Plastic
- C. Tungsten
- D. Silicon carbide

Question ID : 9277593754  
Status : Answered  
Chosen Option : C

Q.12 A 2000/200 V transformer absorbs 400 Watts. Find the iron loss current.Ans  A. 5.0 A

- B. 2.0 A
- C. 0.5 A
- D. 0.2 A

Question ID : 9277593660  
Status : Answered  
Chosen Option : B

Q.13 For the same power output, which power plant of the following has minimum operating charges?

- Ans  A. Hydel plant
- B. Nuclear plant
  - C. Thermal plant
  - D. Gas turbine plant

Question ID : 9277593697  
Status : Answered  
Chosen Option : A

Q.14 Which of the following is a conventional source of energy? Ans

- A. Wind
- B. Biomass
- C. Fossil fuels
- D. Solar energy

Question ID : 9277593690  
Status : Answered  
Chosen Option : C

Q.15 Which of the following statements is INCORRECT for HVDC transmission? Ans

- A. Corona losses are less as compared to a.c. transmission.
- B. Charging current is absent.
- C. It operates at unity power factor.
- D. It suffers from skin effect.

Question ID : 9277593706  
Status : Answered  
Chosen Option : D

Q.16 Which of the following semiconductor devices can be used in enhanced mode? Ans

- A. MOSFET
- B. JFET
- C. NPN transistor
- D. UJT

Question ID : 9277593682  
Status : Answered  
Chosen Option : A

Q.17 To increase the voltage range of an analogue voltmeter an additional resistance is added in series with the meter resistance. This additional resistance is called

- Ans
- A. multiplier
  - B. divider
  - C. shunt
  - D. short

Question ID : 9277593624  
Status : Answered  
Chosen Option : A

Q.18 The energy conservation building code is applicable to \_\_\_\_\_.

- Ans
- A. open lands and farms only
  - B. old buildings only
  - C. new buildings only
  - D. old as well as new buildings

Question ID : 9277593714  
Status : Answered  
Chosen Option : C

Q.19 Which of the following methods of welding does NOT require electrode? Ans  A. Plasma arc welding

B. Laser beam welding

C. TIG welding

D. Resistance welding

Question ID : 9277593760

Status : Answered

Chosen Option : B

Q.20 Because of corona, in case of AC transmission, \_\_\_ harmonics are always present.

Ans  A. 3rd

B. 7th

C. 11th

D. 5th

Question ID : 9277593729

Status : Answered

Chosen Option : C

Q.21 What is the minimum requirement of connected load in a new building for the energy conservation building code to be applicable?

Ans  A. 100 kW

B. 10 MW

C. 1000 kW

D. 500 kW

Question ID : 9277593718

Status : Answered

Chosen Option : A

Q.22 If the shunt admittance of a transmission line is ignored, the torque angle at which maximum power will occur is \_\_\_.

Ans  A.  $\pi/2$

B.  $-\pi/2$

C.  $\pi/4$

D.  $\pi$

Question ID : 9277593709

Status : Answered

Chosen Option : C

Q.23 The base of octal number system is \_.

- Ans  A. 10  
 B. 16  
 C. 8  
 D. 2

Question ID : 9277593639  
Status : Answered  
Chosen Option : C

Q.24 Which of the following frequency meters works on the heterodyne principle? Ans  A. Wien bridge frequency meter

- B. Zero beat frequency meter  
 C. Oscilloscope  
 D. Digital frequency counter

Question ID : 9277593627  
Status : Answered  
Chosen Option : B

Q.25 In case of ETAP software, the full form of ETAP is:

- Ans  A. Estimation of Transient Analysis of Power  
 B. Electrical Testing and Analysis Program  
 C. Electrical Transient Analyzer Program  
 D. Electrical Transformer Analysis Program

Question ID : 9277593762  
Status : Answered  
Chosen Option : C

Q.26 As per classical organisation theory, a supervisor CANNOT directly supervise the work of more than \_\_\_\_\_ subordinates.

- Ans  A. 8 to 10  
 B. 1 to 2  
 C. 5 to 6  
 D. 12 to 15

Question ID : 9277593722  
Status : Answered  
Chosen Option : B

Q.27 Which of the following is an application of induction heating? Ans  A. Room heater

- B. Wood gluing  
 C. Brazing  
 D. Immersion water heater

Question ID : 9277593753  
Status : Answered  
Chosen Option : D



Q.28 For a single-phase 250/3000 volts, 50 Hz transformer, the EMF per turn is 8 volts.  
Find the number of secondary turns.

- Ans  A. 375  
 B. 32  
 C. 325  
 D. 48

Question ID : 9277593658  
Status : Answered  
Chosen Option : A

Q.29 With reference to the AC and DC transmission, state whether the following statements are true/false.

1. In AC transmission, power is proportional to the product of the line end voltages.
2. In DC transmission, power is proportional to the difference of the line end

- voltages. Ans  A. 1- True, 2 - True  
 B. 1 - False, 2 - True  
 C. 1 - True, 2 - False  
 D. 1 - False, 2 - False

Question ID : 9277593705  
Status : Not Answered  
Chosen Option : --

Q.30 Which of the following materials can serve the purpose of acceptor impurity for obtaining p-type semiconductor?

- Ans  A. Gallium  
 B. Arsenic  
 C. Phosphorus  
 D. Antimony

Question ID : 9277593633  
Status : Answered  
Chosen Option : A

Q.31 The set of horizontal and vertical lines permanently marked on the CRT screen is called: Ans  A. aquadag

- B. control grid  
 C. focusing anode  
 D. graticule

Question ID : 9277593621  
Status : Answered  
Chosen Option : D

Q.32 Which of the following softwares is used for programming of embedded devices? Ans  A. PSCAD

- B. ETAP
- C. Multisim
- D. Keil uVision

Question ID : 9277593764  
Status : Answered  
Chosen Option : A

Q.33 Operation of stepping motors at high speeds is called \_\_\_\_\_ .

Ans  A. inching

- B. fast forward
- C. slewing
- D. jogging

Question ID : 9277593669  
Status : Answered  
Chosen Option : A

Q.34 Which part of the steam power plant converts mechanical energy into electrical energy? Ans  A. Generator

- B. Boiler
- C. Furnace
- D. Turbine

Question ID : 9277593691  
Status : Answered  
Chosen Option : A

Q.35 In Nominal-T configuration of medium transmission line, the shunt capacitance is assumed to be:

- A. concentrated at the receiving end of the line
- B. concentrated at the sending end of the line
- C. concentrated at the middle of the line
- D. distributed equally throughout the length

Question ID : 9277593701  
Status : Answered  
Chosen Option : C

Q.36 Which element of the flowchart is used to begin and end the programs? Ans  A. Rectangle box

- B. Diamond
- C. Bubble
- D. Arrow

Question ID : 9277593740  
Status : Answered  
Chosen Option : B

Q.37 What is the unit of measurement for slew rate of an op-amp? Ans  A. Ampere

- B. dB
- C. nA
- D. V/ $\mu$ s

Question ID : 9277593677  
Status : Answered  
Chosen Option : D

Q.38 In case of IDMT over current relay, IDMT means:

- Ans  A. Inverse Differential Minimum Time
- B. Inverse Definite Maximum Time
  - C. Inverse Differential Maximum Time
  - D. Inverse Definite Minimum Time

Question ID : 9277593728  
Status : Answered  
Chosen Option : D

Q.39 Which of the following methods of cleaning is NOT suitable for electrical equipment? Ans  A. Non-conductive sandblasting

- B. Shot blasting
- C. Brushing
- D. Vacuum cleaning

Question ID : 9277593747  
Status : Answered  
Chosen Option : C

Q.40 While using analogue meters, which error may result if the line of sight is NOT exactly perpendicular to the measuring scale?

- Ans  A. Parallax error
- B. Friction error
  - C. Scale error
  - D. Loading error

Question ID : 9277593626  
Status : Answered  
Chosen Option : A

Q.41 Normally, overhauling is performed at an interval of \_.

- Ans  A. 1 week
- B. 5 years
  - C. 1 month
  - D. 6 months

Question ID : 9277593745  
Status : Answered  
Chosen Option : D

Q.42 Which of the following IC logic families has minimum value of fan-out? Ans  A. ECL

B. CMOS

C. Low power Schottky TTL

D. Standard TTL

Question ID : 9277593645  
Status : Answered  
Chosen Option : A

Q.43 In which of the following methods of welding is a transducer used to convert high frequency electric power into vibratory energy?

Ans  A. Ultrasonic welding

B. DC arc welding

C. MIG welding

D. Resistance welding

Question ID : 9277593759  
Status : Answered  
Chosen Option : A

Q.44 A relay with 5A rating is having the relay setting of 125 percent. Find the operating current of the relay.

Ans  A. 3.75A

B. 10A

C. 6.25A

D. 5A

Question ID : 9277593731  
Status : Answered  
Chosen Option : C

Q.45 Which of the following is a semiconductor material? Ans  A. Bakelite

B. Brass

C. Asbestos

D. Germanium

Question ID : 9277593630  
Status : Answered  
Chosen Option : D

Q.46 In production planning and control system, \_\_\_\_\_ means estimation of type, quantity and quality of future work.

- Ans  A. forecasting  
 B. data processing  
 C. scheduling  
 D. dispatching

Question ID : 9277593724  
Status : Answered  
Chosen Option : A

Q.47 Which of the following is INCORRECT for an ideal transformer? Ans  A. Zero permeability

- B. Zero winding resistance  
 C. Zero leakage flux  
 D. No losses

Question ID : 9277593654  
Status : Answered  
Chosen Option : A

Q.48 Ladder diagram is associated with \_\_\_\_\_.

- Ans  A. PLC  
 B. SCADA  
 C. microprocessor  
 D. microcontroller

Question ID : 9277593735  
Status : Answered  
Chosen Option : A

Q.49 A stepper motor has a step angle of  $3^\circ$ . Determine the number of steps required for the shaft to make 25 revolutions.

- Ans  A. 300  
 B. 600  
 C. 3000  
 D. 6000

Question ID : 9277593667  
Status : Answered  
Chosen Option : C

Q.50 For a 4-pole simplex wave-wound DC generator, number of parallel paths will be

- Ans
- A. 8
  - B. 2
  - C. 4
  - D. 1

Question ID : 9277593657  
Status : Answered  
Chosen Option : B

Q.51 A temperature reading is recorded as 25.70°C. The number of significant figures in the reading is

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

Question ID : 9277593618  
Status : Answered  
Chosen Option : D

Q.52 Which of the following binary code is also called gray code? Ans

- A. BCD code
- B. Reflected code
- C. Biquinary code
- D. Excess-3 code

Question ID : 9277593650  
Status : Answered  
Chosen Option : B

Q.53

Which diode is represented by the given symbol?

- Ans
- A. Photo diode
  - B. Zener diode
  - C. Tunnel diode
  - D. LED



Question ID : 9277593670  
Status : Answered  
Chosen Option : D



Q.54 In 8051 microcontroller, the flags are all stored in the \_\_\_\_\_.

- Ans  A. accumulator  
 B. program counter  
 C. stack pointer  
 D. PSW

Question ID : 9277593741  
Status : Answered  
Chosen Option : A

Q.55 Laws of Electrolysis were formulated by \_\_\_\_.

- Ans  A. Alexander Fleming  
 B. Michael Faraday  
 C. Lord Kelvin  
 D. Max Planck

Question ID : 9277593758  
Status : Answered  
Chosen Option : B

Q.56 Which of the following practices is an example of a medium-term energy conservation scheme?

- Ans  A. Improvement and low-cost modifications in existing system  
 B. Repairs of system or leakages  
 C. Minimisation of excess combustion air in furnace  
 D. Improved housekeeping

Question ID : 9277593713  
Status : Answered  
Chosen Option : C

Q.57 Which of the following devices has only two terminals? Ans  A. DIAC

- B. SCR  
 C. UJT  
 D. TRIAC

Question ID : 9277593671  
Status : Answered  
Chosen Option : A

Q.58 The real part of the propagation constant of a transmission line is:

- Ans  A. phase constant  
 B. attenuation constant  
 C. stability constant  
 D. reliability factor

Question ID : 9277593710  
Status : Answered  
Chosen Option : A

Q.59 An atom of hydrogen has \_\_\_\_\_ in its first orbit.

- Ans  A. 8 electrons  
 B. 2 electrons  
 C. 1 electron  
 D. 4 electrons

Question ID : 9277593629  
Status : Answered  
Chosen Option : C

Q.60 The ripple factor of a power supply is the ratio of:

- Ans  A. peak value to DC value  
 B. RMS value to peak value  
 C. RMS value to DC value  
 D. peak value to RMS value

Question ID : 9277593675  
Status : Answered  
Chosen Option : C

Q.61 A 2-input gate gives high output only when both the inputs are low. For all other conditions the output remains low. Identify the gate.

- Ans  A. NAND  
 B. EX-OR  
 C. OR  
 D. NOR

Question ID : 9277593642  
Status : Answered  
Chosen Option : D

Q.62 Simulink is the GUI based companion software for \_\_\_\_\_.

- Ans  A. MATLAB  
 B. LabVIEW  
 C. MAGNET  
 D. ETAP

Question ID : 9277593765  
Status : Answered  
Chosen Option : A

Q.63 Which of the following gates is also called universal gate? Ans  A. NOR

- B. NOT  
 C. EX-OR  
 D. AND

Question ID : 9277593641  
Status : Answered  
Chosen Option : A

Q.64 A pressure gauge is calibrated between 100 bar and 350 bar. The scale span is \_\_\_\_\_.

- Ans  A. 450 bar  
 B. 100 bar  
 C. 350 bar  
 D. 250 bar

Question ID : 9277593617  
Status : Answered  
Chosen Option : D

Q.65 Iron-Constantan thermocouple is commercially known as \_\_\_\_\_ thermocouple.

- Ans  A. J-type  
 B. E-type  
 C. K-type  
 D. T-type

Question ID : 9277593628  
Status : Not Answered  
Chosen Option : --

Q.66 The ratio of the luminous flux to the power input is called \_\_\_\_\_.

- Ans  A. beam factor  
 B. absorption factor  
 C. lamp efficiency  
 D. utilisation factor

Question ID : 9277593749  
Status : Answered  
Chosen Option : C

Q.67 What is the ohms/volt rating of a voltmeter with a 1 mA movement? Ans  A. 10  $\Omega/V$

- B. 1000  $\Omega/V$   
 C. 100  $\Omega/V$   
 D. 10000  $\Omega/V$

Question ID : 9277593625  
Status : Answered  
Chosen Option : B

Q.68 Boiler efficiency can be improved by \_\_\_\_\_ due to economiser.

- Ans  A. 12 to 15 percent  
 B. 4 to 10 percent  
 C. 20 percent  
 D. 1 to 2 percent

Question ID : 9277593695  
Status : Answered  
Chosen Option : B

Q.69 In a three-phase induction motor, the maximum torque is independent of:

- Ans  A. rotor reactance  
 B. rotor resistance  
 C. synchronous speed  
 D. applied voltage

Question ID : 9277593662  
Status : Answered  
Chosen Option : B

Q.70 In electro-dynamometer movement, the deflection of the pointer is:

- Ans  A. inversely proportional to the current  
 B. directly proportional to the current  
 C. inversely proportional to the current squared  
 D. directly proportional to the current squared

Question ID : 9277593619  
Status : Answered  
Chosen Option : D

Q.71 In an op-amp, the differential mode gain is \_\_\_\_\_.

- Ans  A. always zero  
 B. very high  
 C. always unity  
 D. very low

Question ID : 9277593678  
Status : Answered  
Chosen Option : B

Q.72 Which of the following is NOT a valid type of DC motor? Ans

- A. Series motor  
 B. Separately excited motor  
 C. Squirrel cage motor  
 D. Shunt motor

Question ID : 9277593653  
Status : Answered  
Chosen Option : C

Q.73 Which of the following is a bidirectional device? Ans

- A. GTO  
 B. SCR  
 C. TRIAC  
 D. PN diode

Question ID : 9277593672  
Status : Answered  
Chosen Option : C

Q.74 A single input gate in which input and output are same is called \_\_\_\_\_.

- Ans  A. AND  
 B. EX-NOR  
 C. buffer  
 D. inverter

Question ID : 9277593643  
Status : Answered  
Chosen Option : C

Q.75 Which of the following materials is NOT used for the filament of incandescent lamp? Ans  A. Carbon

- B. Tungsten  
 C. Tantalum  
 D. Silver

Question ID : 9277593752  
Status : Answered  
Chosen Option : A

Q.76 In case of AC transmission at 132 kV using 3-phase single circuit cables, the charging kVA is \_\_\_\_\_.

- Ans  A. 1250 kVA  
 B. 3125 kVA  
 C. 9375 kVA  
 D. 1500 kVA

Question ID : 9277593707  
Status : Not Answered  
Chosen Option : --

Q.77 Which of the following type of material is used to construct variable reluctance motor? Ans  A. Non-magnetic

- B. Ferromagnetic  
 C. Paramagnetic  
 D. Diamagnetic

Question ID : 9277593668  
Status : Answered  
Chosen Option : A

Q.78 Which of the following is an alloy of aluminium? Ans  A. Brass

- B. German silver  
 C. Hindalium  
 D. Monel metal

Question ID : 9277593632  
Status : Answered  
Chosen Option : C

Q.79 In a 6-pole DC machine, 45 mechanical degrees corresponds to \_\_\_\_\_ electrical degrees.

- Ans  A. 90  
 B. 135  
 C. 180  
 D. 45

Question ID : 9277593666  
Status : Answered  
Chosen Option : B

Q.80 The 1's complement of the binary number  $(101100)_2$  is:

- Ans  A.  $(001100)_2$   
 B.  $(010011)_2$   
 C.  $(101101)_2$   
 D.  $(110011)_2$

Question ID : 9277593644  
Status : Answered  
Chosen Option : B

Q.81 Which of the following methods of speed control of induction motor can be only used for wound rotor type induction motor?

- Ans  A. Stator frequency control  
 B. Stator voltage and frequency control  
 C. Rotor resistance control  
 D. Stator voltage control

Question ID : 9277593663  
Status : Answered  
Chosen Option : C

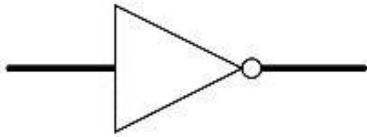
Q.82 Which part of a motor needs maximum attention for maintenance? Ans  A. Bearing

- B. Rotor winding  
 C. Stator winding  
 D. Frame

Question ID : 9277593744  
Status : Answered  
Chosen Option : A



Q.83 Which logic gate is represented by the given symbol?



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

Question ID : 9277593640  
Status : Answered  
Chosen Option : B

Q.84 Which of the following shows job titles and their relationships to each other in an organisation?

- Ans
- A. Organisation rule book
  - B. Organisation manual
  - C. Standard practice instructions
  - D. Organisation chart

Question ID : 9277593721  
Status : Answered  
Chosen Option : D

Q.85 The transmission of instructions from the top executive to the lowest grade executive is called:

- Ans
- A. horizontal communication
  - B. downward communication
  - C. upward communication
  - D. unofficial communication

Question ID : 9277593720  
Status : Answered  
Chosen Option : B

Q.86 In electrical drawings, the given symbol is used to indicate a \_\_\_\_\_.



- Ans
- A. loud speaker
  - B. siren
  - C. bell
  - D. hooter

Question ID : 9277593684  
Status : Answered  
Chosen Option : C

Q.87 The board on which the energy meter, cut-out, neutral link are installed is called \_\_\_\_\_.

- Ans
- A. service board
  - B. switch board
  - C. main switch board
  - D. distribution board

Question ID : 9277593687  
Status : Answered  
Chosen Option : C

Q.88 A 4-pole, 3-phase induction motor is supplied through a 50 Hz supply. On full load, its speed is observed to be 1410 RPM. Calculate the full load slip.

- Ans
- A. 6 percent
  - B. 4 percent
  - C. 2 percent
  - D. 3 percent

Question ID : 9277593665  
Status : Answered  
Chosen Option : A

Q.89 Which of the following is NOT a desirable characteristic of the conductor used for transmission and distribution of electrical energy?

- Ans
- A. High tensile strength
  - B. Low cost
  - C. Low specific resistance
  - D. High specific gravity

Question ID : 9277593689  
Status : Answered  
Chosen Option : D

Q.90 Common emitter current gain  $h_{FE}$  of a BJT is:

- Ans  A. dependent on collector-emitter voltage  
 B. always constant  
 C. dependent on collector current  
 D. dependent on base-emitter voltage

Question ID : 9277593679  
Status : Not Answered  
Chosen Option : --

Q.91 Which of the following methods of heating is most suitable for drying of paints? Ans  A. Induction heating

- B. Electrical resistance heating  
 C. Infrared heating  
 D. Dielectric heating

Question ID : 9277593755  
Status : Answered  
Chosen Option : D

Q.92 At the starting of induction motor the rotor frequency is:

- Ans  A. twice the supply frequency  
 B. same as supply frequency  
 C. half of the supply frequency  
 D. zero

Question ID : 9277593655  
Status : Answered  
Chosen Option : B

Q.93 In a measurement system, which of the following static characteristics is NOT desirable? Ans  A. Accuracy

- B. Drift  
 C. Linearity  
 D. Sensitivity

Question ID : 9277593616  
Status : Answered  
Chosen Option : B

Q.94 Compounding of steam turbine is done for:

- Ans  A. increasing the rotor speed  
 B. balancing the turbine  
 C. reducing the work done  
 D. reducing the rotor speed

Question ID : 9277593696  
Status : Answered  
Chosen Option : A

Q.95 Which of the following statements is INCORRECT for squirrel cage rotor of induction motor?Ans

- A. It is also called a short-circuited rotor.
- B. Slip ring and brush assembly are not required.
- C. Airgap between stator and rotor is not uniform.
- D. External resistance cannot be introduced in rotor circuit.

Question ID : 9277593664  
Status : Answered  
Chosen Option : C

Q.96 Which of the following is NOT a discharge lamp?Ans

- A. Mercury iodide lamp
- B. Neon lamp
- C. Sodium vapour lamp
- D. Incandescent lamp

Question ID : 9277593750  
Status : Answered  
Chosen Option : D

Q.97 In which of the organisational conflicts is open aggression observed?Ans

- A. Felt conflict
- B. Manifest conflict
- C. Perceived conflict
- D. Latent conflict

Question ID : 9277593723  
Status : Answered  
Chosen Option : B

Q.98 Which of the following systems is associated with ash handling in thermal power plants?Ans

- A. Superheater
- B. Condenser
- C. Economiser
- D. Electrostatic precipitator

Question ID : 9277593692  
Status : Answered  
Chosen Option : D

Q.99 Which of the following statements is true for Ferranti-effect?

- Ans
- A. Receiving end voltage is greater than sending end voltage
  - B. Sending end voltage is zero
  - C. Receiving end voltage is zero
  - D. Sending end voltage is greater than receiving end voltage

Question ID : 9277593704  
Status : Answered  
Chosen Option : A

Q.100 Which of the following functions is NOT under the scope of marketing management? Ans

- A. Advertising
- B. Quality control
- C. Sales promotion
- D. Packaging

Question ID : 9277593725  
Status : Answered  
Chosen Option : B

Q.101 The approximate value of surge impedance for overhead lines is:

- Ans
- A. 100 ohms
  - B. 1000 ohms
  - C. 400 ohms
  - D. 1500 ohms

Question ID : 9277593703  
Status : Answered  
Chosen Option : C

Q.102 Total number of 8-bit ports available in Microcontroller 8051 are\_\_\_\_\_.

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

Question ID : 9277593736  
Status : Answered  
Chosen Option : B

Q.103 Which of the following practices can significantly reduce the need of new investment in energy generation or supply?

- Ans
- A. Reduced supply of electricity in specific areas
  - B. Load shedding
  - C. Energy conservation
  - D. Increase the tariff on energy

Question ID : 9277593716  
Status : Answered  
Chosen Option : D

Q.104 Which of the following is NOT a valid characteristics of switched mode power supply as compared to linear power supply?

- Ans  A. Higher efficiency  
 B. Low noise at output  
 C. Light weight  
 D. Smaller size of transformer

Question ID : 9277593674  
Status : Answered  
Chosen Option : B

Q.105 Natural draught is produced by \_\_\_\_\_.

- Ans  A. exhaust fan  
 B. fan  
 C. chimney  
 D. steam jet

Question ID : 9277593694  
Status : Answered  
Chosen Option : C

Q.106 In power transmission line, which phenomenon causes the ionisation of the air surrounding the power conductor?

- Ans  A. Ferranti effect  
 B. Flashing  
 C. Corona  
 D. Skin effect

Question ID : 9277593708  
Status : Answered  
Chosen Option : C

Q. 107 वे यौगिक, जो रासायनिक रूप से समरूप होते हैं लेकिन उनके भौतिक गुण भिन्न होते हैं, उन्हें जाता है।

Ans

- A. अपररूप (allotropes)  
X B. समस्थानिक (Isotopes)  
X C. पॉलीमर (Polymers)  
X D. समावयवी (Isomers)

कहा Question ID : 9277593638  
Status : Answered  
Chosen Option : A



Q.108 According to Boolean algebra, the resultant of the operation  $(A + AB)$  will be

- Ans
- A.  $AB$
  - B.  $B$
  - C.  $A + B$
  - D.  $A$

Question ID : 9277593651  
Status : Answered  
Chosen Option : D

Q.109 The basic circuit for the ECL family is the \_\_\_\_\_ gate.

- Ans
- A. NAND
  - B. AND
  - C. XNOR
  - D. OR/NOR

Question ID : 9277593646  
Status : Answered  
Chosen Option : B

Q.110 The signal generated by the time-base circuitry of the CRO is basically a:

- Ans
- A. triangular waveform
  - B. square waveform
  - C. sinusoidal waveform
  - D. saw-tooth waveform

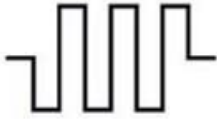
Question ID : 9277593623  
Status : Answered  
Chosen Option : D

Q.111 The effective length of a short transmission line is less than \_\_\_\_\_.

- Ans
- A. 80 km
  - B. 320 km
  - C. 160 km
  - D. 100 km

Question ID : 9277593700  
Status : Answered  
Chosen Option : A

Q.112 In ladder logic, the given symbol is used to indicate \_\_\_\_\_.



- Ans  A. fuse  
 B. heating element  
 C. relay coil  
 D. flow switch

Question ID : 9277593742  
Status : Not Answered  
Chosen Option : --

Q.113 In 8051 microcontroller, which of the following instructions is an example of unconditional jump?

- Ans  A. CJNE  
 B. SJMP  
 C. JZ  
 D. JNZ

Question ID : 9277593738  
Status : Not Answered  
Chosen Option : --

Q.114 As compared to an incandescent lamp, CFL offers approximately \_ savings in electricity costs.

- Ans  A. 40 to 50 percent  
 B. 70 to 80 percent  
 C. 5 to 10 percent  
 D. 20 to 30 percent

Question ID : 9277593717  
Status : Answered  
Chosen Option : B

Q.115 Which of the following bridges is used for most accurate inductance measurement of inductors having high value of Q-factor?

- Ans  A. Hay bridge  
 B. Schering bridge  
 C. Kelvin bridge  
 D. Maxwell bridge

Question ID : 9277593622  
Status : Answered  
Chosen Option : A

Q.116 Which of the following motors is most widely used for printers? Ans  A. Synchronous motor

- B. Stepper motor
- C. Induction motor
- D. DC series motor

Question ID : 9277593656  
Status : Answered  
Chosen Option : B

Q.117 In 8051 microcontroller programming, which instruction is used to waste the time in a software timing loop?

- Ans  A. DAA
- B. NOP
  - C. SWAP
  - D. CLR A

Question ID : 9277593739  
Status : Answered  
Chosen Option : B

Q.118 Mercury vapour light is always \_\_\_\_\_ in colour.

- Ans  A. bluish
- B. reddish
  - C. pinkish
  - D. yellowish

Question ID : 9277593751  
Status : Answered  
Chosen Option : A

Q.119 Which of the following faults is least severe in power systems? Ans  A. L-L-G

- B. L-L
- C. L-L-L
- D. L-G

Question ID : 9277593727  
Status : Answered  
Chosen Option : D

Q.120 Surge impedance ( $Z_c$ ) of the long transmission line is given by:

- Ans
- A.  $\sqrt{L/C}$
  - B.  $\sqrt{1/LC}$
  - C.  $\sqrt{LC}$
  - D.  $\sqrt{C/L}$

Question ID : 9277593702  
Status : Answered  
Chosen Option : D

Q.121 Using Boolean algebra, if the following Boolean expression is minimised, then the result will be:

- $AB + ABC + AB$   
(D+E)Ans  A.  $AB$
- B. ABCD
  - C. A
  - D. ABC

Question ID : 9277593652  
Status : Answered  
Chosen Option : A

Q.122 The T flip-flop is a single-input version of the \_\_\_\_\_ flip-flop.

- Ans
- A. clocked RS
  - B. RS
  - C. D
  - D. JK

Question ID : 9277593648  
Status : Answered  
Chosen Option : A

Q.123 A transformer having 1000 primary turns is connected to a 250 V AC supply. For a secondary voltage of 300 V, the number of secondary turns should be:

- Ans
- A. 600
  - B. 1200
  - C. 800
  - D. 1600

Question ID : 9277593661  
Status : Answered  
Chosen Option : B

Q.124 LabVIEW is the abbreviated form of \_\_\_\_\_ .

- Ans  A. Laboratory Virtual Instruments Engineering Workbench  
 B. Laboratory Visual Instrumentation for Engineering Work  
 C. Laboratory Visual Instrument for Electronic Workbench  
 D. Laboratory Visual Instrument for Electrical Wiring

Question ID : 9277593763  
Status : Answered  
Chosen Option : A

Q.125 Constant product characteristics of a directional relay is in the form of \_\_\_.

- Ans  A. straight line with positive slope  
 B. straight line with negative slope  
 C. square wave  
 D. rectangular hyperbola

Question ID : 9277593732  
Status : Answered  
Chosen Option : B

Q.126 A power plant has load factor = 0.75 and capacity factor = 0.60. If the maximum demand is 80 MW, then find the plant capacity.

- Ans  A. 90 MW  
 B. 135 MW  
 C. 100 MW  
 D. 60 MW

Question ID : 9277593698  
Status : Answered  
Chosen Option : C

Q.127 Which of the following parts absorbs secondary electrons in CRT? Ans

- A. Control grid  
 B. Aquadag coating  
 C. Cathode  
 D. Accelerating anode

Question ID : 9277593620  
Status : Answered  
Chosen Option : B

Q.128 Process Field-Bus (PROFI-BUS) is a/an:

- Ans  A. American standard  
 B. African standard  
 C. German standard  
 D. Asian standard

Question ID : 9277593761  
Status : Answered  
Chosen Option : C

Q.129 Which of the following insulating materials offers maximum working temperature? Ans

- A. Class A
- B. Class H
- C. Class F
- D. Class B

Question ID : 9277593635  
Status : Answered  
Chosen Option : C

Q.130 The one major disadvantage of CMOS is \_\_\_\_\_ .

- Ans
- A. high propagation delay
  - B. low fan-out
  - C. high noise margin
  - D. high power dissipation

Question ID : 9277593647  
Status : Not Answered  
Chosen Option : --

Q.131 An op-amp based integrator converts the DC level into a \_\_ output.

- Ans
- A. linearly increasing ramp
  - B. triangular
  - C. square wave
  - D. saw-tooth

Question ID : 9277593681  
Status : Answered  
Chosen Option : A

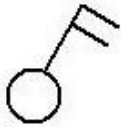
Q.132 In 8051 assembly language, the execution of which instruction affects the carry flag? Ans

- A. RRC A
- B. SWAP A
- C. RL A
- D. RR A

Question ID : 9277593737  
Status : Answered  
Chosen Option : A



Q.133 Which type of switch is indicated by the given symbol?



- Ans
- A. Single-pole switch
  - B. Two-pole switch
  - C. Three-pole switch
  - D. Multi-position switch

Question ID : 9277593683  
Status : Answered  
Chosen Option : B

Q.134 The loss in draught in a chimney is \_\_\_\_\_ of the total draught produced by it.

- Ans
- A. 20 percent
  - B. 40 percent
  - C. 5 percent
  - D. 10 percent

Question ID : 9277593699  
Status : Answered  
Chosen Option : A

Q.135 Donor type impurities have \_\_\_\_\_ valence electrons.

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

Question ID : 9277593634  
Status : Answered  
Chosen Option : C

Q.136 In an organisation, which of the following positions is on the top? Ans

- A. Managing Director
- B. Sales Manager
- C. Production Manager
- D. Marketing Manager

Question ID : 9277593719  
Status : Answered  
Chosen Option : A

Q.137 Which of the following wiring systems is most economical for house wiring?Ans

- A. Concealed conduit wiring
- B. Cleat wiring
- C. Metal sheathed wiring
- D. PVC casing and capping wiring

Question ID : 9277593685  
Status : Answered  
Chosen Option : B

Q.138 Which of the following is NOT a type of distance relay?Ans

- A. Mho relay
- B. Reactance relay
- C. Buchholz relay
- D. Impedance relay

Question ID : 9277593733  
Status : Answered  
Chosen Option : C

Q.139 Forbidden energy gap is largest in \_\_ \_.

- Ans
- A. insulator
  - B. semiconductor
  - C. conductor
  - D. superconductor

Question ID : 9277593631  
Status : Answered  
Chosen Option : A

Q.140 In which of the following relays is the generation of gas used as a means of fault detection?Ans

- A. Mho relay
- B. Induction cup relay
- C. Buchholz relay
- D. Reactance relay

Question ID : 9277593734  
Status : Answered  
Chosen Option : C

Q.141 Which of the following is NOT a correct way of energy conservation?Ans

- A. Effective periodic maintenance
- B. Improving power factor
- C. Replace electrical circuit with solid state circuit
- D. Increase reactive loads

Question ID : 9277593711  
Status : Answered  
Chosen Option : D

Q.142 Overhauling is the part of \_\_\_\_\_ maintenance.

- Ans  A. corrective  
 B. predictive  
 C. breakdown  
 D. preventive

Question ID : 9277593743  
Status : Answered  
Chosen Option : D

Q.143 How many squares will be there in a three variable Karnaugh map? Ans  A. 16

- B. 8  
 C. 4  
 D. 2

Question ID : 9277593649  
Status : Answered  
Chosen Option : B

Q.144 A transformer with magnetic leakage is equivalent to an ideal transformer with: Ans  A. high primary resistance

- B. inductive coil in primary circuit  
 C. inductive coils in primary and secondary circuits  
 D. inductive coil in secondary circuit

Question ID : 9277593659  
Status : Answered  
Chosen Option : C

Q.145 Which of the following is the ore of aluminium? Ans  A. Cryolite

- B. Chalcopyrite  
 C. Graphite  
 D. Hematite

Question ID : 9277593636  
Status : Answered  
Chosen Option : B

Q.146 In which of the following cases is frequent starting and stopping of electric motors needed? Ans  A. Grinding mills

- B. Paper mills  
 C. Lifts and hoists  
 D. Air conditioners

Question ID : 9277593757  
Status : Answered  
Chosen Option : C

Q.147 Which of the following does NOT help in achieving inherent reliability in protective relay? Ans

- A. Good workmanship
- B. Dust free enclosures
- C. Low contact pressure
- D. Robust construction

Question ID : 9277593730  
Status : Answered  
Chosen Option : A

Q.148 Which of the following is NOT a valid method of cooling of transformer? Ans

- A. Oil Natural Water Forced
- B. Oil Natural Air Forced
- C. Oil Forced Water Forced
- D. Water Natural Oil Forced

Question ID : 9277593748  
Status : Answered  
Chosen Option : D

Q. 149 निम्न में से किसने EC अधिनियम के समर्थन में विभिन्न प्रोत्साहन प्रावधान शुरू किए हैं?

Ans

XA नामित उपभोक्ता

X B. ECBD

C. BEE

XD. BIS

Question ID : 9277593715  
Status : Answered  
Chosen Option : B

Q.150 Permeability can be considered as the:

- Ans
- A. readiness of a material to accept magnetism
  - B. ability to resist the change in magnetisation
  - C. ability to oppose the electric current through it
  - D. ability of the material to allow the magnetic lines to pass through it

Question ID : 9277593637  
Status : Answered  
Chosen Option : D

Section : General Knowledge or Awareness

Q.1 The \_\_\_ dance is performed only by women at weddings and festivals in Haryana.

- Ans  A. Dhamal  
 B. Khoria  
 C. Jhumar  
 D. Phag

Question ID : 9277593768  
Status : Answered  
Chosen Option : C

Q.2 Sharath Kamal is a professional \_player from India.

- Ans  A. lawn tennis  
 B. badminton  
 C. table tennis  
 D. squash

Question ID : 9277593785  
Status : Answered  
Chosen Option : D

Q.3 As per Article 22(2) of the Constitution of India, a person CANNOT be detained in custody beyond a period of without the authority of a magistrate.

- Ans  A. 24 hours  
 B. 48 hours  
 C. 12 hours  
 D. 36 hours

Question ID : 9277593781  
Status : Answered  
Chosen Option : A

Q.4 Which of the following statements is INCORRECT?

- Ans  A. The height of the tide is higher when the sun, the moon and the earth are in a straightline.  
 B. Normally, there is a 15-day interval between spring tides and neap tides.  
 C. Spring tides occur twice a month, one during the full moon period and another during the new moon period.  
 D. The time between high tide and low tide, when the water level is falling, is called 'theebb'.

Question ID : 9277593774  
Status : Answered  
Chosen Option : C

Q.5 In December 2020, the All India Football Federation formally announced its candidature to host the AFC Asian Cup

- Ans
- A. 2023
  - B. 2025
  - C. 2029
  - D. 2027

Question ID : 9277593784  
Status : Answered  
Chosen Option : B

Q.6 Which of the following statements is INCORRECT?

- Ans
- A. Air pollution causes diseases such as hepatitis, cholera and typhoid.
  - B. An increase in the content of harmful substances in air is called air pollution.
  - C. The combustion of fossil fuels increases the amount of suspended particles in air.
  - D. Smog is a visible indication of air pollution.

Question ID : 9277593772  
Status : Answered  
Chosen Option : A

Q.7 Which of the following statements is NOT true regarding banking in India? Ans

- A. Currency notes are issued by the Reserve Bank of India.

- B. Balance in current accounts is called 'time deposits'.
- C. Coins are issued by the Government of India.
- D. Balance in savings accounts is called 'demand deposits'.

Question ID : 9277593770  
Status : Answered  
Chosen Option : D

Q.8 भारतीय रिज़र्व बैंक द्वारा 2016 में महात्मा गांधी (नई) श्रृंखला के भाग के रूप में जारी किए गए ₹. मूल्यवर्ग में नए डिज़ाइन किए गए बैंक नोटों का आधार रंग (base colour) मैजेंटा (गहरा गुलाबी) है।

- Ans
- XA. 100
  - XB. 500
  - C. 2000
  - X D. 200

Question ID : 9277593769  
Status : Answered  
Chosen Option : C

Q.9 निम्न में से कौन-सा त्योहार हिंदू श्रावण (श्रवण) महीने के पांचवें दिन मनाया जाता है, जिसमें धार्मिक-क्रिया/ पूजा-पाठ के दौरान दूध चढ़ाया जाता है?

Question ID : 9277593766

Status : Answered

Chosen Option : D

- Ans
- A. गंगा दशहरा
  - B. जीवती पूजा
  - C. वसंत (बसंत) पंचमी
  - D. नाग पंचमी

Q.10 \_\_\_\_ played an important role in the making of the Lucknow Pact and reorganised the Muslim League after 1934.

- Ans
- A. Maulana Abul Kalam Azad
  - B. Dr. Zakir Husain
  - C. Khan Abdul Ghaffar Khan
  - D. Mohammad Ali Jinnah

Question ID : 9277593777

Status : Answered

Chosen Option : A

Q.11 The salt commonly used in food can be formed by a combination of \_\_\_\_\_ acid and sodium hydroxide

solution. Ans  A. hydrochloric

- B. sulphuric
- C. nitric
- D. chloric

Question ID : 9277593771

Status : Answered

Chosen Option : A

Q.12 Refugees of certain communities from Bangladesh, Pakistan and Indian citizenship under the Citizenship (Amendment) Bill, 2019. \_\_\_\_\_ are eligible for

- Ans
- A. Bhutan
  - B. Nepal
  - C. Myanmar
  - D. Afghanistan

Question ID : 9277593782

Status : Answered

Chosen Option : D

Q.13 The Border–Gavaskar Trophy is a Test cricket series played between India and ...

- Ans  A. England  
 B. Australia  
 C. New Zealand  
 D. West Indies

Question ID : 9277593783  
Status : Answered  
Chosen Option : B

Q.14 The 'Great Conjunction' of December 2020 was a celestial event involving the planets ...

- Ans  A. Jupiter and Saturn  
 B. Mars and Jupiter  
 C. Venus and Mars  
 D. Saturn and Mercury

Question ID : 9277593780  
Status : Not Answered  
Chosen Option : --

Q.15 In November 2020, Joe Biden was elected as the President of the US.

- Ans  A. 47th  
 B. 46th  
 C. 44th  
 D. 43rd

Question ID : 9277593779  
Status : Answered  
Chosen Option : B

Q.16 The Muslim League announced as 'Direct Action Day'.

- Ans  A. 17 September 1944  
 B. 15 December 1946  
 C. 16 August 1946  
 D. 18 November 1944

Question ID : 9277593776  
Status : Answered  
Chosen Option : B

Q.17 India ranks\_\_\_ in the Human Development Index released by the United Nations in December 2020.

- Ans  A. 137th  
 B. 138th  
 C. 131st  
 D. 130th

Question ID : 9277593778  
Status : Answered  
Chosen Option : B



Q.18 The \_\_\_ festival at Madurai Meenakshi Amman temple celebrates the celestial marriage of the Goddess Meenakshi to the God Sundareswarar.

- Ans  A. Purattasi Sani  
 B. Chithirai  
 C. Vaikasi Visakam  
 D. Masi

Question ID : 9277593767  
Status : Not Answered  
Chosen Option : --

Q.19 The \_\_\_ is the western-most of the Himalayan rivers in India.

- Ans  A. Sutlej  
 B. Indus  
 C. Brahmaputra  
 D. Ganga

Question ID : 9277593775  
Status : Answered  
Chosen Option : C

Q.20 \_\_\_ belong to the phylum 'Coelenterata' ('Cnidaria').

- Ans  A. Locusts  
 B. Mosquitoes  
 C. Tapeworms  
 D. Corals

Question ID : 9277593773  
Status : Answered  
Chosen Option : C

Section : Reasoning

Q.1 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, decide which of the conclusions logically follow(s) from the statements.

Statements:  $\lambda \leq \Omega$ ,  $\lambda > \epsilon$ ,  $\pi \geq \phi$ ,  $\epsilon$

$> \pi$  Conclusions:

- I.  $\Omega > \phi$   
II.  $\lambda \leq \pi$

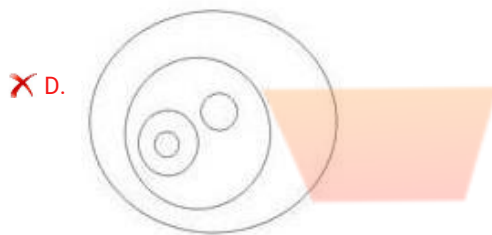
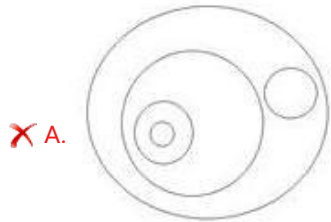
- Ans  A. Only conclusion I follows.  
 B. Both conclusions I and II follow.  
 C. Either conclusion I or II follows.  
 D. Only conclusion II follows.

Question ID : 9277593797  
Status : Answered  
Chosen Option : A

Q.2 Select the Venn diagram that best represents the relationship between the following classes.

Universe, Earth, India, Gujarat, Bhilai

Ans



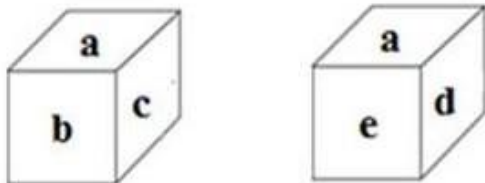
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Status : Answered

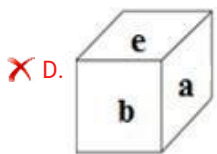
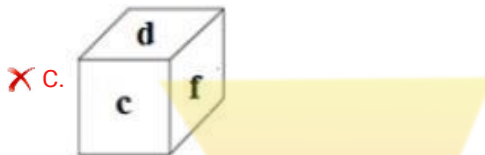
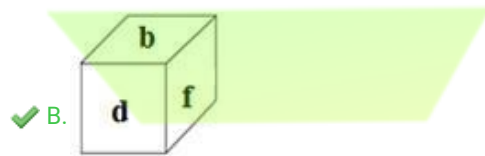
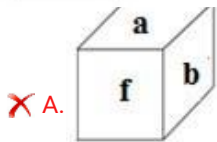
Chosen Option : B

EAD GROUP

Q.3 Two different positions of the same dice marked with the letters a, b, c, d, e and f are shown. From the following options, which other orientation is possible from this dice?



Ans



Question ID : 9277593804  
 Status : Answered  
 Chosen Option : B

Q.4 Identify the number that does NOT belong to the following series.

256, 289, 324, 361, 420, 441, 484

- Ans  A. 324  
 B. 361  
 C. 420  
 D. 441



Question ID : 9277593790  
 Status : Answered  
 Chosen Option : C

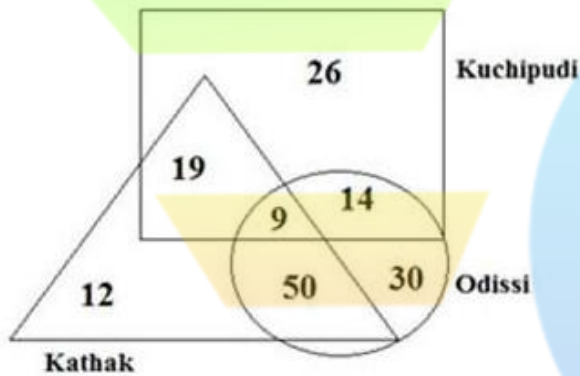
Q.5 The present age of Tanya is double that of the age of Mohit. Five years ago, the age of Mohit was one-third that of the age of Tanya. What is the present age of Mohit?

- Ans  A. 10 years  
 B. 20 years  
 C. 15 years  
 D. 25 years

Question ID : 9277593799  
 Status : Answered

Chosen Option : A

Q.6 Study the diagram carefully and answer the question that follows.  
 The given diagram shows the number of students in a school who are practicing different dance forms.



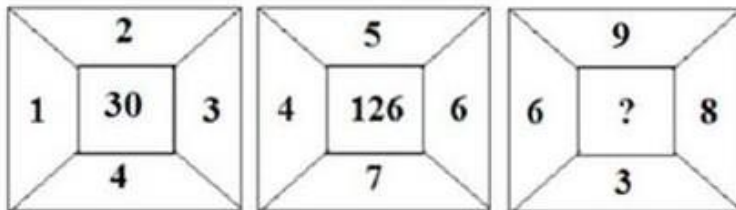
What is the number of students who practice both Odissi and Kuchipudi, but NOT Kathak?

- Ans  A. 30  
 B. 9  
 C. 50  
 D. 14

Question ID : 9277593802  
 Status : Answered

Chosen Option : D

Q.7 Study the given pattern carefully and select the number that can replace the question mark(?) in it.



- Ans  A. 175  
 B. 160  
 C. 205  
 D. 190

Question ID : 9277593795  
 Status : Answered

Chosen Option : D

Q.8 Select the option that is related to the third number in the same way as the second number is related to the first number.

253 : 320 :: 323 : ?

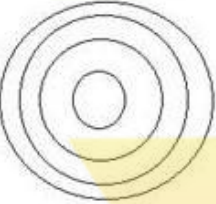
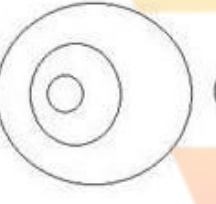

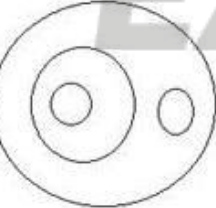
- Ans  A. 390  
 B. 400  
 C. 365  
 D. 342

Question ID : 9277593792  
Status : Answered  
Chosen Option : A

Q.9 Select the Venn diagram that best represents the relationship between the following classes.

Outdoor Games, Cricket, Chess, Hockey

Ans

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

Question ID : 9277593800  
Status : Answered  
Chosen Option : C

Q.10 The present ages of three friends Riya, Pankaj and Gaurav are in the ratio of 3 : 4 : 5, respectively. Five years ago the sum of their ages was 69 years. Find the present age of Pankaj.

- Ans  A. 32 years  
 B. 28 years  
 C. 35 years  
 D. 21 years

Question ID : 9277593798

Status : Answered

Chosen Option : B

Q.11 Select the option that is true regarding the following two statements labelled Assertion (A) and Reason (R). Assertion (A): Wearing masks helps in controlling the spread of COVID-19 virus. Reason (R): Masks repel coronavirus.

- Ans  A. A' is false but 'R' is true.  
 B. Both 'A' and 'R' are true but 'R' is not the correct explanation of 'A'.  
 C. A' is true but 'R' is false.  
 D. Both 'A' and 'R' are true and 'R' is the correct explanation of 'A'.

Question ID : 9277593786

Status : Answered

Chosen Option : C

Q.12 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, decide which of the conclusions logically follows from the statements.

Statements:  $P \geq R$ ,  $R > T$ ,  $T$

$\leq A$  Conclusions:

- I.  $P > A$   
II.  $T < P$

- Ans  A. Either conclusion I or II follows.  
 B. Only conclusion I follows.  
 C. Only conclusion II follows.  
 D. Neither conclusion I nor II follows.

Question ID : 9277593796

Status : Answered

Chosen Option : A

Q.13 Which two numbers should be interchanged in the given equation so that the equation becomes correct?

$$96 \div 8 + 7 - 2 \times 3 = 23$$

- Ans  A. 8 and 3  
 B. 7 and 2  
 C. 2 and 3  
 D. 3 and 7

Question ID : 9277593794

Status : Answered

Chosen Option : A

Q.14 Identify the number that does NOT belong to the following series.

7, 21, 63, 199, 567, 1701

- Ans  A. 567  
 B. 21  
 C. 199  
 D. 63

Question ID : 9277593791

Status : Answered

Chosen Option : C

Q.15 Select the option that can replace the question mark (?) in the following number series.

53, 90, 127, 164, ?

- Ans  A. 201  
 B. 221  
 C. 260  
 D. 182

Question ID : 9277593789

Status : Answered

Chosen Option : A

Q.16 If '-' means '×', '×' means '+', '+' means '÷', and '÷' means '-', then find the value of the following expression.

$335 + 67 - 8 \div 21 \times 9$

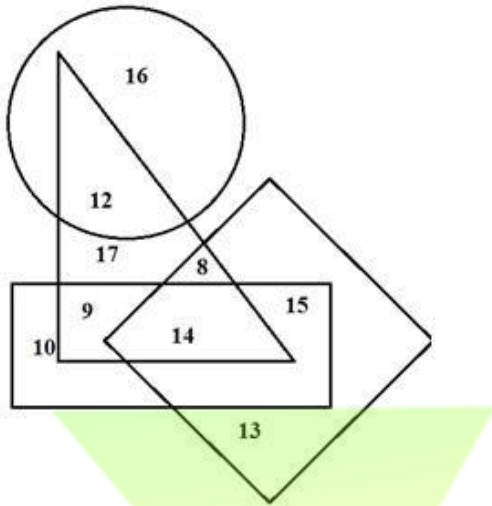
- Ans  A. 52  
 B. 231  
 C. 28  
 D. 169

Question ID : 9277593793

Status : Answered

Chosen Option : C

Q.17 In the following diagram, the triangle represents men, the circle represents unemployed, the rectangle represents rural, and the square represents dancers.



How many men are NEITHER unemployed NOR dancers?

- Ans  A. 17  
 B. 26  
 C. 9  
 D. 12

Question ID : 9277593803  
 Status : Answered  
 Chosen Option : B

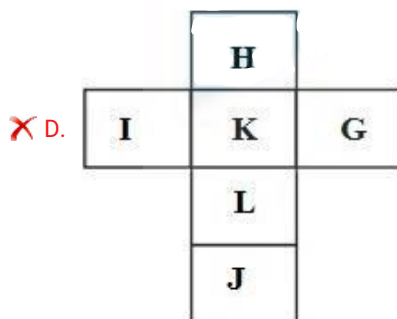
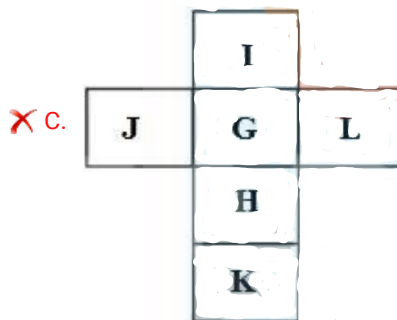
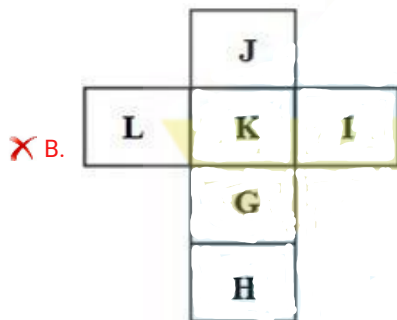
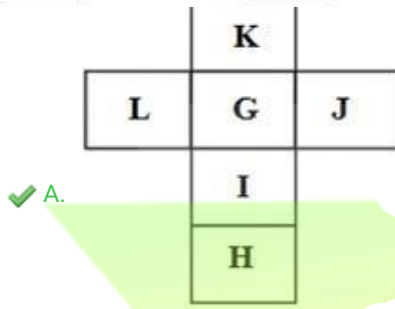
**EAD GROUP**



Q.18 Two different positions of the same dice marked with the letters G, H, I, J, K and L are shown. This dice is formed by folding which of the following option figures?



Ans



Question ID : 9277593805

Status : Answered

Chosen Option : A

Q.19 Select the option that can replace the question mark (?) in the following number series.

19, 28, ?, 52, 67

Ans  A. 39

B. 36

C. 34

D. 43

Question ID : 9277593787

Status : Answered

Chosen Option : A

Q.20 Select the option that can replace the question mark (?) in the following number series.

16, 48, 24, 72, 36, ?

Ans  A. 92

B. 120

C. 108

D. 88

Question ID : 9277593788

Status : Answered

Chosen Option : C

Section : General Hindi

Q.1 मानव पढ़ रहा है।' वा य का काल है

-Ans  A. पूर्ण वतमान

B. तात्का लक वतमान

C. सामा य वतमान

D. सं द ध वतमान

Question ID : 9277593812

Status : Answered

Chosen Option : B

Q.2 पपीहा,\_\_\_\_\_ करता है। रिक्त स्थान के लिए उपयुक्त शब्द कौन सा है

Ans

A. पीउ पीउ

X B. पिया पिया

X C. काँव-काँव

X D. कू - कू

..? Question ID : 9277593811

Status : Answered

Chosen Option : A

Q.3 विधान सभा का चुनाव एक निश्चित \_\_\_\_\_ के लिए होता है। रिक्त स्थान के लिए सर्वाधिक उपयुक्त शब्द कौन सा है?

- Ans  A. अवधि  
 B. काल  
 C. क्षण  
 D. युग

Question ID : 9277593810  
Status : Answered  
Chosen Option : A

Q.4 कौन 'सर्वनाम का परिमाणवाचक विशेषण होगा-

- Ans  
A. कितना  
X B. किसका  
X C. किस  
X D. कैसा

Question ID : 9277593809  
Status : Answered  
Chosen Option : A

Q.5 पगड़ी किस प्रकार का शब्द है?

- Ans  
XA. विदेशी  
X B. तत्सम  
C. देशज  
X D. तद्भव

Question ID : 9277593806  
Status : Answered  
Chosen Option : D

Q.6 'चिड़िया' किस प्रकार का शब्द है?

- Ans  
A. देशज  
X B. तद्भव  
X C. तत्सम  
X D. विदेशी

Question ID : 9277593807  
Status : Answered  
Chosen Option : B

Q.7 सदा प्रसन्न रहो।' वाक्य में क्रिया की वृत्ति है-

- Ans  A. आज्ञापूर्क  
 B. इच्छासूचक  
 C. संकेतसूचक  
 D. संदेहसूचक

Question ID : 9277593814  
Status : Answered  
Chosen Option : B

Q.8 सीता जा रही थी।' वा य का काल है

- Ans  A. अपूर्ण भूत  
 B. पूर्ण भूत  
 C. सामा य भूत  
 D. सं ध ध भूत

Question ID : 9277593813  
Status : Answered  
Chosen Option : D

Q.9 चुप्पा बहुत चालाक होता है।' अर्थ को व्यांजित करने वाली उपयुक्त लोकोक्ति कौन सी है?

Ans

- X A फिसल पड़े तो हर गंगा  
X B. प्यासा कुँ के पास जाता है  
C. बहरा सो गहरा  
X D. भूख लगे तो घर की सूझी

Question ID : 9277593815  
Status : Answered  
Chosen Option : A

Q.10 हिन्दी में कुल कितने सर्वनाम

हैं?

- Ans X A.9  
X B. 13  
✓C. 11 X D. 15

Question ID : 9277593808  
Status : Answered  
Chosen Option : C