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UPMRC

Previous Year Paper

Maintainer (Electrician) 2021
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Uttar Pradesh Metro Rail Corporation Limited

उत्तर प्रदेश मेट्रो रेल कॉर्पोरेशन लिमिटेड

A joint Venture of Govt. of India and Govt. of Uttar Pradesh

Participant ID	
Participant Name	
Test Center Name	
Test Date	17/04/2021
Test Time	4:00 PM - 6:00 PM
Subject	Maintainer (Electrical)
Marks Obtained	63.38000
Max Marks	100

Section : Technical

Q.1 The height of the switch board from ground level should be:

- Ans
- ☒ A. 2.5 metres
 - ☒ B. 1.5 metres
 - ☒ C. 0.5 metres
 - ☒ D. 3.5 metres

Question Type : MCQ
Question ID : 673502331
Status : Answered
Chosen Option : 2

Q.2 Which of the following rules pertain to general safety requirements under the Indian Electricity Rules, 1956?

- Ans
- ☒ A. Rules 29 to 66
 - ☒ B. Rules 29 to 56
 - ☒ C. Rules 29 to 36
 - ☒ D. Rules 29 to 46

Question Type : MCQ
Question ID : 673502304
Status : Not Answered
Chosen Option : -

Q.3 Reciprocal of power factor is called:

- Ans ☒ A. Q-factor
- ☒ B. crest factor
- ☒ C. peak factor
- ☒ D. form factor

Question Type : MCQ
Question ID : 673502322
Status : Answered
Chosen Option : 3

Q.4 Identify the logic gate for the given truth table.

A	B	Output
0	0	1
0	1	1
1	0	1
1	1	0

- Ans ☒ A. NAND gate
- ☒ B. AND gate
- ☒ C. OR gate
- ☒ D. NOR gate

Question Type : MCQ
Question ID : 673502361
Status : Answered
Chosen Option : 1

Q.5 Wattmeter may be classified as:

- Ans ☒ A. an integrating instrument
- ☒ B. a controlling instrument
- ☒ C. an indicating instrument
- ☒ D. a primary instrument

Question Type : MCQ
Question ID : 673502301
Status : Answered
Chosen Option : 3

Q.6 Knowledge of peak factor is important in testing:

- Ans
- ☒ A. Frequency
 - ☒ B. dielectric insulation
 - ☒ C. current
 - ☒ D. Voltage

Question Type : MCQ
Question ID : 673502316
Status : Answered
Chosen Option : 2

Q.7 In a DC machine speed is:

- Ans
- ☒ A. inversely proportional to back EMF and directly proportional to the flux.
 - ☒ B. inversely proportional to the flux.
 - ☒ C. directly proportional to back EMF and inversely proportional to the flux.
 - ☒ D. directly proportional to back EMF.

Question Type : MCQ
Question ID : 673502340
Status : Answered
Chosen Option : 3

Q.8 Polarization index (PI) is given by:

- Ans
- ☒ A. $PI = \frac{10 \text{ minutes reading}}{1 \text{ minute reading}}$
 - ☒ B. $PI = \frac{10 \text{ minutes reading}}{5 \text{ minute reading}}$
 - ☒ C. $PI = \frac{10 \text{ minutes reading}}{100 \text{ minute reading}}$
 - ☒ D. $PI = \frac{100 \text{ minutes reading}}{1 \text{ minute reading}}$

Question Type : MCQ
Question ID : 673502329
Status : Not Answered
Chosen Option : -

Q.9 The value of peak factor (Ka) for a sinusoidal A.C. is:

- Ans
- ☒ A. 1.441
 - ☒ B. 0.723
 - ☒ C. 1.414
 - ☒ D. 0.722

Question Type : MCQ
Question ID : 673502317
Status : Answered
Chosen Option : 3

Q.10 The direction of induced EMF in an armature conductor can be determined with the help of:

- Ans
- ☒ A. Lenz's law
 - ☒ B. Faraday's law
 - ☒ C. Fleming's left hand rule
 - ☒ D. Fleming's right hand rule

Question Type : MCQ
Question ID : 673502307
Status : Answered
Chosen Option : 4

Q.11 Which of the following can be increased when temperature is added to silicon?

- Ans
- ☒ A. Resistivity
 - ☒ B. Wavelength
 - ☒ C. Gap of energy level
 - ☒ D. Conductivity

Question Type : MCQ
Question ID : 673502345
Status : Answered
Chosen Option : 4

Q.12 Find the value of X whose base is 10. $(1100)_2 = (x)_{10}$

- Ans
- ☒ A. 12
 - ☒ B. 18
 - ☒ C. 21
 - ☒ D. 10

Question Type : MCQ
Question ID : 673502358
Status : Answered
Chosen Option : 1

Q.13 What happens when an electron jumps from a lower orbit to a higher orbit?

- Ans ☒ A. Light is absorbed
☐ B. Light is emitted
☐ C. Heat is radiated
☐ D. Energy can change

Question Type : MCQ
Question ID : 673502343
Status : Answered
Chosen Option : 3

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

- Ans ☐ A. Nuclear energy
☒ B. Tidal energy
☐ C. Hydrocarbon gas liquid
☐ D. Natural gas

Question Type : MCQ
Question ID : 673502366
Status : Answered
Chosen Option : 2

Q.15 चालक का आकार निर्धारित करने के लिए निम्न में से किस बिंदु को ध्यान में नहीं रखा जाता है?

- Ans ☐ A. वोल्टेज ड्रॉप
☐ B. धारा ले जाने की क्षमता
☒ C. इन्सुलेटर की गुणवत्ता
☐ D. यांत्रिक कारणों से चालक का न्यूनतम आकार

Question Type : MCQ
Question ID : 673502330
Status : Answered
Chosen Option : 4

Q.16 The ratio of RMS value/average is defined as:

- Ans ☐ A. amplitude factor
☐ B. power factor
☒ C. form factor
☐ D. crest factor

Question Type : MCQ
Question ID : 673502318
Status : Answered
Chosen Option : 3

Q.17 On which of the following factors does earth resistance value NOT depend?

- Ans
- ☒ A. Condition of soil
 - ☒ B. Temperature of soil
 - ☒ C. Colour of soil
 - ☒ D. Moisture control of soil

Question Type : MCQ
Question ID : 673502310
Status : Answered
Chosen Option : 3

Q.18 Value of insulation resistance is defined in ____.

- Ans
- ☒ A. mega-ohms
 - ☒ B. Ohms
 - ☒ C. milli-ohms
 - ☒ D. kilo-ohms

Question Type : MCQ
Question ID : 673502327
Status : Answered
Chosen Option : 1

Q.19 A semiconductor has ____ band.

- Ans
- ☒ A. an almost full conduction
 - ☒ B. very high energy
 - ☒ C. an almost empty valence
 - ☒ D. an almost empty conduction

Question Type : MCQ
Question ID : 673502344
Status : Answered
Chosen Option : 4

Q.20 Which of the following impurities is used to form a P-type semiconductor?

- Ans
- ☒ A. Antimony
 - ☒ B. Gallium
 - ☒ C. Phosphorus
 - ☒ D. Bismuth

Question Type : MCQ
Question ID : 673502350
Status : Answered
Chosen Option : 2

Q.21 Which type of energy is transform in electric power by using dam that studied near the ocean?

- Ans
- ☒ A. Geothermal energy
 - ☒ B. Wave energy
 - ☒ C. Ocean thermal energy
 - ☒ D. Nuclear energy

Question Type : MCQ
Question ID : 673502368
Status : Answered
Chosen Option : 3

Q.22 What is the value of the conduction angle in class A type of amplifier?

- Ans
- ☒ A. Half cycle
 - ☒ B. Full cycle
 - ☒ C. Slightly more than half cycle
 - ☒ D. Slightly less than half cycle

Question Type : MCQ
Question ID : 673502351
Status : Not Answered
Chosen Option : -

Q.23 What is the energy level between the conduction band and the valence band in a semiconductor?

- Ans
- ☒ A. Zero
 - ☒ B. 1 eV
 - ☒ C. 2.5 eV
 - ☒ D. 0.07 eV

Question Type : MCQ
Question ID : 673502346
Status : Answered
Chosen Option : 2

Q.24 Which of the following defines the advantage of AC transmission line as compared with DC transmission line?

- Ans
- ☒ A. No skin effect in DC transmission lines
 - ☒ B. DC system is more efficient than AC system
 - ☒ C. DC transmission system is more complex and costly
 - ☒ D. DC system has no inductance in line

Question Type : MCQ
Question ID : 673502373
Status : Answered
Chosen Option : 1

Q.25 Which type of renewable energy plant gives minimum average capital cost?

- Ans
- ☒ A. Geothermal
 - ☒ B. Solar PV system
 - ☒ C. Onshore wind
 - ☒ D. Hydroelectric

Question Type : MCQ
Question ID : 673502369
Status : Answered
Chosen Option : 3

Q.26 Which type of fuel is produced by water and is considered as renewable energy?

- Ans
- ☒ A. Hydrocarbon gas liquid
 - ☒ B. Natural gas
 - ☒ C. Petroleum
 - ☒ D. Hydrogen

Question Type : MCQ
Question ID : 673502367
Status : Answered
Chosen Option : 1

Q.27 The main contents of insulating oil is/are:

- Ans
- ☒ A. naptha, aromatic and paraffin
 - ☒ B. naptha
 - ☒ C. paraffin, kerosene
 - ☒ D. oil oxidation, aromatic and naptha

Question Type : MCQ
Question ID : 673502328
Status : Answered
Chosen Option : 1

Q.28 kWh meter may be classified as:

- Ans
- ☒ A. a deflecting instrument
 - ☒ B. a recording instrument
 - ☒ C. an integrating instrument
 - ☒ D. an indicating instrument

Question Type : MCQ
Question ID : 673502302
Status : Answered
Chosen Option : 3

Q.29 The winding on a machine that carries only load current is called ____.

- Ans
- ☒ A. tertiary winding
 - ☒ B. armature winding
 - ☒ C. field winding
 - ☒ D. auxiliary winding

Question Type : MCQ
Question ID : 673502306
Status : Answered
Chosen Option : 2

Q.30 The torque which is available for doing useful work known as:

- Ans
- ☒ A. shaft torque
 - ☒ B. balance torque
 - ☒ C. brake torque
 - ☒ D. load torque

Question Type : MCQ
Question ID : 673502338
Status : Answered
Chosen Option : 1

Q.31

- Ans
- ☒ A.
 - ☒ B.
 - ☒ C.
 - ☒ D.

Question Type : MCQ
Question ID : 673502321
Status : Answered
Chosen Option : 1

Q.32 What is the voltage drop in a wire, if a circuit box supply the voltage 120V to the socket pin received the voltage 115V, which is 37 ft far from the circuit box?

- Ans
- ☒ A. 115 V
 - ☒ B. 120 V
 - ☒ C. 5 V
 - ☒ D. 1.04 V

Question Type : MCQ
Question ID : 673502363
Status : Answered
Chosen Option : 3

Q.33 The reciprocal of resistance is called:

- Ans
- ☒ A. resistivity
 - ☒ B. conductance
 - ☒ C. permittivity
 - ☒ D. reactance

Question Type : MCQ
Question ID : 673502334
Status : Answered
Chosen Option : 2

Q.34 In which line have power supply voltage higher than to other?

- Ans
- ☒ A. Generation station line
 - ☒ B. Consumer line
 - ☒ C. Distribution line
 - ☒ D. Transmission line

Question Type : MCQ
Question ID : 673502370
Status : Answered
Chosen Option : 4

Q.35 In Transformer, secondary winding emf induced due to _____.

- Ans
- ☒ A. a constant magnetic flux
 - ☒ B. an alternating magnetic flux
 - ☒ C. an alternating electrical flux
 - ☒ D. an increasing magnetic flux

Question Type : MCQ
Question ID : 673502342
Status : Answered
Chosen Option : 2

Q.36 Which formula correctly defines the insulation resistance of a wire?

- Ans
- ☒ A. Supply voltage in volts / Receiving voltage in volts
 - ☒ B. Supply current/Receiving voltage in volts
 - ☒ C. Supply voltage in volts / Leakage current
 - ☒ D. Supply current/Receiving current

Question Type : MCQ
Question ID : 673502364
Status : Answered
Chosen Option : 3

Q.37 Elements of which group is used as doping for a P-type semiconductor?

- Ans ☒ A. Group III
- ☒ B. Group II
- ☒ C. Group IV
- ☒ D. Group V

Question Type : MCQ
Question ID : 673502348
Status : Answered
Chosen Option : 1

Q.38 In an AC system the order of phase connection will be:

- Ans ☒ A. yellow, red and blue
- ☒ B. blue, red and yellow
- ☒ C. red, yellow and blue
- ☒ D. red, blue and yellow

Question Type : MCQ
Question ID : 673502324
Status : Answered
Chosen Option : 3

Q.39 Which of the following states the disadvantage of a UJT?

- Ans ☒ A. Negative resistance characteristics
- ☒ B. Inability to provide appropriate amplification
- ☒ C. Requires low value of triggering current
- ☒ D. Low power absorbing device

Question Type : MCQ
Question ID : 673502356
Status : Answered
Chosen Option : 4

Q.40

- Ans ☒ A.
- ☒ B.
- ☒ C.
- ☒ D.

Question Type : MCQ
Question ID : 673502319
Status : Answered
Chosen Option : 4

Q.41 Back EMF acts like:

- Ans
- ☒ A. a source
 - ☒ B. a torque
 - ☒ C. a governor
 - ☒ D. a controller

Question Type : MCQ
Question ID : 673502339
Status : Answered
Chosen Option : 4

Q.42 The unit of electro-chemical equivalent (ECE) is

- Ans
- ☒ A. km/C
 - ☒ B. ml/C
 - ☒ C. cm/C
 - ☒ D. g/C

Question Type : MCQ
Question ID : 673502312
Status : Answered
Chosen Option : 4

Q.43 Find the value of the electro-chemical equivalent of chromium, if 2.16 gm of chromium is liberated by the passage of a current of 5 A for 1 hour and 20 minutes.

- Ans
- ☒ A. 5×10^{-5} gm/C
 - ☒ B. 10×10^{-5} gm/C
 - ☒ C. 9×10^{-5} gm/C
 - ☒ D. 7×10^{-5} gm/C

Question Type : MCQ
Question ID : 673502313
Status : Answered
Chosen Option : 3

Q.44 Which type of parameter is used to drive a JFET?

- Ans
- ☒ A. Both current and voltage
 - ☒ B. Voltage
 - ☒ C. Current
 - ☒ D. Low voltage and high current

Question Type : MCQ
Question ID : 673502354
Status : Not Attempted and Marked For Review
Chosen Option : -

Q.45 Which type of parameter is found in AC transmission line but NOT found in DC transmission line?

- Ans
- ☒ A. Corona losses in line
 - ☒ B. Surges
 - ☒ C. High voltage level
 - ☒ D. Wire resistance

Question Type : MCQ
Question ID : 673502371
Status : Answered
Chosen Option : 1

Q.46 Which class of power amplifier has the highest efficiency?

- Ans
- ☒ A. Class AB amplifier
 - ☒ B. Class C amplifier
 - ☒ C. Class A amplifier
 - ☒ D. Class B amplifier

Question Type : MCQ
Question ID : 673502353
Status : Answered
Chosen Option : 2

Q.47

- Ans
- ☒ A.
 - ☒ B.
 - ☒ C.
 - ☒ D.

Question Type : MCQ
Question ID : 673502360
Status : Answered
Chosen Option : 1

Q.48 Which of the following DC motor is more suitable for crane to develop high torque?

- Ans
- ☒ A. Cumulative compound motor
 - ☒ B. Differential compound motor
 - ☒ C. Series motor
 - ☒ D. Shunt motor

Question Type : MCQ
Question ID : 673502335
Status : Answered
Chosen Option : 3

Q.49 For emergency, which of the following boxes should be provided at all stations?

- Ans ☒ A. First aid box
- ☒ B. Letter box
- ☒ C. Complaint box
- ☒ D. Suggestion box

Question Type : MCQ
Question ID : 673502303
Status : Answered
Chosen Option : 1

Q.50 Which of the following is NOT an earthing method?

- Ans ☒ A. Earthing through a rope
- ☒ B. Rod earthing
- ☒ C. Plate earthing
- ☒ D. Pipe earthing

Question Type : MCQ
Question ID : 673502311
Status : Answered
Chosen Option : 1

Q.51 A three-phase induction motor rotor rotates at _____.

- Ans ☒ A. less than synchronous speed
- ☒ B. half of synchronous speed
- ☒ C. more than synchronous speed
- ☒ D. synchronous speed

Question Type : MCQ
Question ID : 673502341
Status : Answered
Chosen Option : 1

Q.52 Torque and armature current characteristics of a DC machine are known as:

- Ans ☒ A. mechanical characteristics
- ☒ B. speed characteristics
- ☒ C. load characteristics
- ☒ D. electrical characteristics

Question Type : MCQ
Question ID : 673502336
Status : Answered
Chosen Option : 3

Q.53 In N-type semiconductors, the majority carriers move from:

- Ans
- ☒ A. lower to lower potential
 - ☒ B. higher to lower potential
 - ☒ C. higher to higher potential
 - ☒ D. lower to higher potential

Question Type : MCQ
Question ID : 673502349
Status : Answered
Chosen Option : 4

Q.54 If load is _____ the current and voltage are in same phase in A.C. supply.

- Ans
- ☒ A. reactive
 - ☒ B. pure ohmic resistance
 - ☒ C. pure capacitance
 - ☒ D. pure inductance

Question Type : MCQ
Question ID : 673502320
Status : Answered
Chosen Option : 2

Q.55

- Ans
- ☒ A.
 - ☒ B.
 - ☒ C.
 - ☒ D.

Question Type : MCQ
Question ID : 673502333
Status : Answered
Chosen Option : 2

Q.56 In A. C. Supply, the number of cycles per second is called _____.

- Ans
- ☒ A. Frequency
 - ☒ B. Amplitude
 - ☒ C. phase difference
 - ☒ D. phase angle

Question Type : MCQ
Question ID : 673502314
Status : Answered
Chosen Option : 1

Q.57 A machine which converts mechanical energy into electrical energy is known as _____.

- Ans
- ☒ A. a converter
 - ☒ B. a motor
 - ☒ C. a generator
 - ☒ D. a transducer

Question Type : MCQ
Question ID : 673502305
Status : Answered
Chosen Option : 3

Q.58 Frequency is the reciprocal of the _____ of the alternating quantity.

- Ans
- ☒ A. phase angle
 - ☒ B. time period
 - ☒ C. Amplitude
 - ☒ D. phase difference

Question Type : MCQ
Question ID : 673502315
Status : Answered
Chosen Option : 2

Q.59 When a motor runs at rated armature voltage and rated field current, it is defined as:

- Ans
- ☒ A. speed range
 - ☒ B. speed regulation
 - ☒ C. flux speed
 - ☒ D. base speed of motor

Question Type : MCQ
Question ID : 673502309
Status : Answered
Chosen Option : 4

Q.60 What is the name of the left hand most bit in any binary number?

- Ans
- ☒ A. Most significant bit
 - ☒ B. Right hand most bit
 - ☒ C. Higher bit
 - ☒ D. Least significant bit

Question Type : MCQ
Question ID : 673502359
Status : Not Answered
Chosen Option : -

Q.61

- Ans
- ☒ A.
 - ☒ B.
 - ☒ C.
 - ☒ D.

Question Type : MCQ
Question ID : 673502352
Status : Answered
Chosen Option : 1

Q.62 निम्नलिखित में से किस प्रकार के ऊर्जा स्रोतों को ऊर्जा का पारंपरिक स्रोत माना जाता है?

- Ans
- ☒ A. भू - तापीय ऊर्जा
 - ☒ B. कोयला ऊर्जा
 - ☒ C. पवन ऊर्जा
 - ☒ D. सौर ऊर्जा

Question Type : MCQ
Question ID : 673502365
Status : Answered
Chosen Option : 2

Q.63 AC transmission systems are _____ efficient than the DC transmission systems.

- Ans
- ☒ A. doubly
 - ☒ B. less
 - ☒ C. half
 - ☒ D. more

Question Type : MCQ
Question ID : 673502375
Status : Answered
Chosen Option : 2

Q.64 When a motor is switched on, the counter EMF developed across the armature terminals is:

- Ans
- ☒ A. zero
 - ☒ B. half
 - ☒ C. twice
 - ☒ D. one

Question Type : MCQ
Question ID : 673502308
Status : Answered
Chosen Option : 1

Q.65

- Ans
- ☒ A.
 - ☐ B.
 - ☐ C.
 - ☐ D.

Question Type : MCQ
Question ID : 673502355
Status : Answered
Chosen Option : 1

Q.66 The shaft torque of a DC motor is less than its armature torque because of _____ losses.

- Ans
- ☐ A. iron
 - ☒ B. rotational
 - ☐ C. mechanical
 - ☐ D. copper

Question Type : MCQ
Question ID : 673502337
Status : Answered
Chosen Option : 2

Q.67 Which parameter of a wire should be increased so that the voltage drop will decrease?

- Ans
- ☐ A. Wire length
 - ☐ B. Wire resistance
 - ☐ C. Wire material resistivity
 - ☒ D. Wire cross-section area

Question Type : MCQ
Question ID : 673502362
Status : Answered
Chosen Option : 4

Q.68

- Ans
- ☒ A.
 - ☐ B.
 - ☐ C.
 - ☐ D.

Question Type : MCQ
Question ID : 673502323
Status : Not Answered
Chosen Option : -

Q.69 AC circuit breakers are _____ than DC circuit breakers.

- Ans
- ☒ A. lesser in size
 - ☒ B. costlier
 - ☒ C. cheaper
 - ☒ D. no cost

Question Type : MCQ
Question ID : 673502374
Status : Answered
Chosen Option : 3

Q.70 In an N-type semiconductor, doping impurity is known as:

- Ans
- ☒ A. acceptor
 - ☒ B. donor
 - ☒ C. holes
 - ☒ D. vacancy of electrons

Question Type : MCQ
Question ID : 673502347
Status : Answered
Chosen Option : 2

Q.71 In insulation, which of the following breakdown form?

- Ans
- ☒ A. Thermal and electrical breakdown
 - ☒ B. Thermal breakdown
 - ☒ C. Electrical breakdown
 - ☒ D. Frequency breakdown

Question Type : MCQ
Question ID : 673502326
Status : Answered
Chosen Option : 1

Q.72 True state is represented in binary number system?

- Ans
- ☒ A. Logic 1
 - ☒ B. Logic 0
 - ☒ C. 011
 - ☒ D. Low state

Question Type : MCQ
Question ID : 673502357
Status : Not Answered
Chosen Option : -

Q.73 Henry is the unit of electric:

- Ans ☒ A. Inductance
☒ B. Capacitance
☒ C. Resistance
☒ D. Conductance

Question Type : MCQ
Question ID : 673502325
Status : Answered
Chosen Option : 1

Q.74 Which types of cable is best for electric iron, heater and soldering?

- Ans ☒ A. Lead sheathed cable
☒ B. Vulcanized insulation rubber (VIR)
☒ C. Polyvinyl chloride (PVC) cable
☒ D. Cab tyre sheathed (CTS) cable

Question Type : MCQ
Question ID : 673502332
Status : Answered
Chosen Option : 2

Q.75 According to Indian Standards, a distribution transformer is _____.

- Ans ☒ A. 400 V/11kV
☒ B. 11/0.4 kV
☒ C. 220/11kV
☒ D. 220/133kV

Question Type : MCQ
Question ID : 673502372
Status : Answered
Chosen Option : 2

Section : Quantitative Aptitude and Logical Ability

Q.1 Select the number from among the given options that can replace the question mark (?) in the following series.

228, 220, 210, 196, 176, ?

- Ans ☒ A. 144
☒ B. 148
☒ C. 156
☒ D. 142

Question Type : MCQ
Question ID : 673502382
Status : Answered
Chosen Option : 2

Q.2 By selling an article for ₹1,296, a dealer loses 19%. If he sells the article for ₹1,904, then what will be his loss or gain percentage?

- Ans
- ☒ A. Loss 20%
 - ☒ B. Gain 19%
 - ☒ C. Loss 17%
 - ☒ D. Gain 15%

Question Type : MCQ
Question ID : 673502376
Status : Answered
Chosen Option : 2

Q.3 A के दो पोते P और Q हैं। A की धनराशि में से कुछ हिस्सा 15 वर्षीय P के बैंक खाते में डाल दिया जाता है, और शेष धनराशि 16 वर्षीय Q के बैंक खाते में डाल दिया जाता है। P और Q दोनों को पैसा तभी मिलेगा जब वे 25 वर्ष के हो जाएंगे। तब तक पैसा बैंक में ही जमा रहेगा, जिस पर वार्षिक चक्रवृद्धि आधार पर 5% ब्याज मिल रहा है। जब दोनों 25 वर्ष के हो जाते हैं, तो उन्हें समान राशि प्राप्त होती है। बताएँ कि यदि A की कुल धनराशि ₹5,12,500 थी, तो A ने शुरुआत में P को कितनी राशि (₹ में) दी थी?

- Ans
- ☒ A. 190000
 - ☒ B. 332500
 - ☒ C. 262500
 - ☒ D. 250000

Question Type : MCQ
Question ID : 673502380
Status : Answered
Chosen Option : 4

Q.4 If $M + N$ means M is the brother of N,
 $M - N$ means M is the father of N,
 $M \div N$ means M is the sister of N, and
 $M \times N$ means M is the mother of N,
then which of the following relations shows that A is the maternal uncle of D?

- Ans
- ☒ A. $A + B \times C \div D$
 - ☒ B. $A \div B - C + D$
 - ☒ C. $D + B \times C \div A$
 - ☒ D. $D + C - A$

Question Type : MCQ
Question ID : 673502381
Status : Answered
Chosen Option : 3

Q.5 Select the option that is related to the third number in the same way as the second number is related to the first number.

36 : 74 :: 28 : ?

- Ans
- ☒ A. 54
 - ☒ B. 58
 - ☒ C. 56
 - ☒ D. 60

Question Type : MCQ
Question ID : 673502383
Status : Answered
Chosen Option : 2

Q.6

- Ans
- ☒ A.
 - ☒ B.
 - ☒ C.
 - ☒ D.

Question Type : MCQ
Question ID : 673502384
Status : Not Attempted and Marked For Review
Chosen Option : -

Q.7 A sum of ₹10,500 amounts to ₹13,650 in 2 years at a certain rate per cent per annum simple interest. What will be the amount (in ₹) of double the sum in 1 year at the same rate, if the interest is compounded half-yearly (nearest to ₹1)?

- Ans
- ☒ A. 22,876
 - ☒ B. 26,876
 - ☒ C. 23,765
 - ☒ D. 24,268

Question Type : MCQ
Question ID : 673502379
Status : Answered
Chosen Option : 4

Q.8 An article is marked 40% above its cost price. If x% discount is allowed on the marked price and still there is a profit of 18.16%, then what is the value of x?

- Ans
- ☒ A. 13.9
 - ☒ B. 15.6
 - ☒ C. 14.7
 - ☒ D. 16

Question Type : MCQ
Question ID : 673502377
Status : Answered
Chosen Option : 2

Q.9 Select the number from among the given options that can replace the question mark (?) in the following series.

8, 32, ?, 128, 200

- Ans
- ☒ A. 62
 - ☒ B. 110
 - ☒ C. 72
 - ☒ D. 128

Question Type : MCQ
Question ID : 673502385
Status : Answered
Chosen Option : 3

Q.10 How long (in years) will it take for a sum of money invested at the rate of 10% p.a. simple interest to increase its value by 40%?

- Ans
- ☒ A. 4
 - ☒ B. 5
 - ☒ C. 6
 - ☒ D. 3

Question Type : MCQ
Question ID : 673502378
Status : Answered
Chosen Option : 1

Section : General English

Q.1 Select the most appropriate ANTONYM of the given word.

Tender

- Ans
- ☒ A. Hard
 - ☒ B. Broad
 - ☒ C. Mild
 - ☒ D. Soft

Question Type : MCQ
Question ID : 673502386
Status : Not Answered
Chosen Option : -

Q.2 Select the most appropriate option to fill in the blank.

These important documents should be signed _____ ink.

- Ans
- ☒ A. in
 - ☐ B. into
 - ☐ C. by
 - ☐ D. with

Question Type : MCQ
Question ID : 673502390
Status : Answered
Chosen Option : 4

Q.3 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

The large / a snake can grow, / the longer / it can live.

- Ans
- ☐ A. a snake can grow,
 - ☒ B. The large
 - ☐ C. the longer
 - ☐ D. it can live.

Question Type : MCQ
Question ID : 673502387
Status : Not Answered
Chosen Option : -

Q.4 Select the most appropriate option to fill in the blank.

_____ house over there has a thatched roof.

- Ans
- ☐ A. This
 - ☐ B. These
 - ☐ C. Those
 - ☒ D. That

Question Type : MCQ
Question ID : 673502388
Status : Answered
Chosen Option : 4

Q.5 Select the most appropriate option to fill in the blank.

There aren't _____ printing errors in this book.

- Ans
- ☒ A. some
 - ☒ B. much
 - ☒ C. few
 - ☒ D. any

Question Type : MCQ
Question ID : 673502389
Status : Answered
Chosen Option : 4

Section : General Awareness

Q.1 Which of the following statements about the Subsidiary Alliance is INCORRECT?

- Ans
- ☒ A. The term Subsidiary Alliance were introduced by French Governor Dupleix.
 - ☒ B. Indian rulers had to agree to pay a subsidy to the British for British Army maintenance.
 - ☒ C. The Nawab of Awadh was the first to accept the well-framed Subsidiary Alliance in 1798.
 - ☒ D. After the British victory in the Fourth Anglo-Mysore War, Mysore was forced to become a subsidiary state in 1799.

Question Type : MCQ
Question ID : 673502393
Status : Not Answered
Chosen Option : -

Q.2 निम्नलिखित में से कौन सी लखनऊ की प्रसिद्ध पारंपरिक कशीदाकारी है?

- Ans
- ☒ A. फुलकारी
 - ☒ B. मधुबनी
 - ☒ C. चिकनकारी
 - ☒ D. कांथा

Question Type : MCQ
Question ID : 673502398
Status : Not Answered
Chosen Option : -

Q.3 Who was the chief guest of the Pravasi Bharatiya Divas Convention 2021?

- Ans
- ☒ A. Chandrikapersad Santokhi
 - ☒ B. Sundar Pichai
 - ☒ C. Rishi Sunak
 - ☒ D. Sunita Williams

Question Type : MCQ
Question ID : 673502399
Status : Answered
Chosen Option : 2

Q.4 In which year was a National Sports Talent Search Portal launched by the Sports Authority of India (SAI)?

- Ans
- ☒ A. 2018
 - ☒ B. 2017
 - ☒ C. 2020
 - ☒ D. 2019

Question Type : MCQ
Question ID : 673502395
Status : Not Answered
Chosen Option : –

Q.5 Which of the following countries will host the BRICS 2021 meeting?

- Ans
- ☒ A. India
 - ☒ B. China
 - ☒ C. Brazil
 - ☒ D. South Africa

Question Type : MCQ
Question ID : 673502400
Status : Answered
Chosen Option : 1

Q.6 What is the height of the highest peak named 'Anaimudi' located in the Western Ghats?

- Ans
- ☒ A. 2,637 m
 - ☒ B. 2,994 m
 - ☒ C. 2,695 m
 - ☒ D. 1,965 m

Question Type : MCQ
Question ID : 673502391
Status : Not Answered
Chosen Option : –

Q.7 Which of the following statements regarding the Federal System is INCORRECT?

- Ans
- ☒ A. Courts have the power to interpret the constitution and the powers of different levels of government.
 - ☒ B. The central government can pass on orders to the provincial or local government.
 - ☒ C. There are two or more levels (or tiers) of government.
 - ☒ D. The state government has powers of its own for which it is not answerable to the central government.

Question Type : MCQ
Question ID : 673502397
Status : Not Answered
Chosen Option : –

Q.8 In which year did the National Assembly of France completed the drafting of the Constitution of France?

- Ans
- ☒ A. 1794
 - ☒ B. 1793
 - ☒ C. 1790
 - ☒ D. 1791

Question Type : MCQ
Question ID : 673502392
Status : Not Answered
Chosen Option : -

Q.9 Which of the following was unanimously adopted by the Constituent Assembly on 22 January 1947?

- Ans
- ☒ A. The National Flag
 - ☒ B. Fundamental Rights and Economic Policy Resolution
 - ☒ C. The National Emblem
 - ☒ D. Objective Resolution

Question Type : MCQ
Question ID : 673502396
Status : Not Answered
Chosen Option : -

Q.10 Which of the following sports uses an important technique called Fosbury Flop?

- Ans
- ☒ A. Wrestling
 - ☒ B. Shot put
 - ☒ C. High jump
 - ☒ D. Judo

Question Type : MCQ
Question ID : 673502394
Status : Not Answered
Chosen Option : -