

Lucknow Metro Rail Corporation Shift 2

Notations :

1. Options shown in green color and with ✓ icon are correct.
2. Options shown in red color and with ✗ icon are incorrect.

Question Paper Name:

Junior Engineer Signalling and Telecommunication Actual Shift 2 Final

Subject Name:

Junior Engineer Signalling and Telecommunication

Duration:

90

Group 1

Group Maximum Duration :

0

Group Minimum Duration :

90

Revisit allowed for view? :

No

Revisit allowed for edit? :

No

Mandatory or Optional:

Technical

Mandatory

Question Number : 1 Question Type : MCQ

Correct : 1 Wrong : 0.33

Which of the following is a correct statement about P-type semiconductors?

Options :

1. ✗ They are negatively charged.
2. ✗ They are positively charged.
3. ✓ They are neutral.
4. ✗ Some are positive whereas some are negative.

Question Number : 2 Question Type : MCQ

Correct : 1 Wrong : 0.33

Forbidden energy gap in Silicon is:

Options :

1. ✓ 1.1 eV
2. ✗ 2.4 eV
3. ✗ 0.72 eV
4. ✗ 0.97 eV

Question Number : 3 Question Type : MCQ

Correct : 1 Wrong : 0.33

Purest form of semiconductors are called:

Options :

1. ☒ Intrinsic
2. ☐ Extrinsic
3. ☐ Diodes
4. ☐ Transistor

Question Number : 4 Question Type : MCQ

Correct : 1 Wrong : 0.33

N-type semiconductors are formed by adding:

Options :

1. ☐ divalent impurities to pure semiconductor
2. ☐ trivalent impurities to pure semiconductor
3. ☐ tetravalent impurities to pure semiconductor
4. ☒ pentavalent impurities to pure semiconductor

Question Number : 5 Question Type : MCQ

Correct : 1 Wrong : 0.33

Zener diodes are used as:

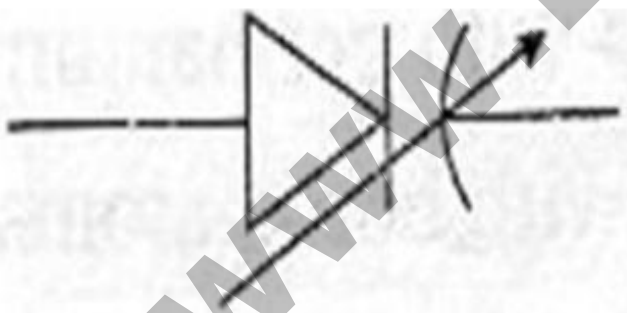
Options :

1. ☐ light emitter
2. ☐ light absorber
3. ☒ voltage regulator
4. ☐ microwave detector

Question Number : 6 Question Type : MCQ

Correct : 1 Wrong : 0.33

What does the diagram given below depict?



Options :

1. ☐ L.E.D.
2. ☐ Zener diode
3. ☐ Tunnel diode
4. ☒ Varactor diode

Question Number : 7 Question Type : MCQ

Correct : 1 Wrong : 0.33

The energy of a photon of light whose wavelength is 620 nm equals the band gap of a semiconducting material. What is the minimum energy required to create a hole electron pair?

Options :

1. ☒ 2 eV
2. ☐ 0.72 eV
3. ☐ 0.125 eV
4. ☐ 0.5 eV

Question Number : 8 Question Type : MCQ

Correct : 1 Wrong : 0.33

If a small amount of phosphorus is added to germanium, then:

Options :

1. ☐ the conductivity decreases
2. ☐ silicon becomes a P-type semiconductor
3. ☐ phosphorus becomes an acceptor impurity
4. ☒ there will be more free electrons than holes in semiconductor

Question Number : 9 Question Type : MCQ

Correct : 1 Wrong : 0.33

An intrinsic semiconductor at 0 K behaves as:

Options :

1. ☐ a semiconductor
2. ☒ an insulator
3. ☐ a conductor
4. ☐ a superconductor

Question Number : 10 Question Type : MCQ

Correct : 1 Wrong : 0.33

Merging of a free electron and a hole is called:

Options :

1. ☒ Recombination
2. ☐ Neutralization
3. ☐ Restriking
4. ☐ Zeroing

Question Number : 11 Question Type : MCQ

Correct : 1 Wrong : 0.33

A passive network contains

Options :

1. ☐ 1 source of emf
2. ☐ 2 sources of emf
3. ☐ 3 sources of emf
4. ☒ no source of emf

Question Number : 12 Question Type : MCQ

Correct : 1 Wrong : 0.33

Barrier potential of a p-n junction diode does not depend upon

Options :

1. ☐ temperature

2. ✖ forward bias
3. ✖ doping density
4. ✔ diode design

Question Number : 13 Question Type : MCQ

Correct : 1 Wrong : 0.33

Superposition Theorem is based on the concept of:

Options :

1. ✖ Reciprocity
2. ✖ Duality
3. ✖ Non-linearity
4. ✔ Linearity

Question Number : 14 Question Type : MCQ

Correct : 1 Wrong : 0.33

Kirchoff's law is applicable to

Options :

1. ✖ Passive networks only
2. ✖ Active networks only
3. ✖ D.C. only
4. ✔ Both A.C. and D.C.

Question Number : 15 Question Type : MCQ

Correct : 1 Wrong : 0.33

Higher the Q of a series circuit:

Options :

1. ✖ broader its resonance curve
2. ✔ narrower its pass band
3. ✖ greater its band width
4. ✖ sharper its resonance

Question Number : 16 Question Type : MCQ

Correct : 1 Wrong : 0.33

The peak value of a sine wave is 100 V. Its average value is:

Options :

1. ✖ 100 V
2. ✖ 50.5 V
3. ✔ 63.6 V
4. ✖ 74.7 V

Question Number : 17 Question Type : MCQ

Correct : 1 Wrong : 0.33

A resonance curve for a series circuit is a plot of frequency versus

Options :

1. ✔ Current
2. ✖ Voltage

3. ✖ Impedance
4. ✖ Reactance

Question Number : 18 Question Type : MCQ

Correct : 1 Wrong : 0.33

Power factor of an electric bulb is

Options :

1. ✖ Lagging
2. ✖ Leading
3. ✖ Infinity
4. ✔ Unity

Question Number : 19 Question Type : MCQ

Correct : 1 Wrong : 0.33

Which of the following is a non linear circuit parameter?

Options :

1. ✔ Inductance
2. ✖ Condenser
3. ✖ Wire wound resistor
4. ✖ Transistor

Question Number : 20 Question Type : MCQ

Correct : 1 Wrong : 0.33

The circuit whose properties are the same in either directions is known as

Options :

1. ✖ Unilateral circuit
2. ✔ Bilateral circuit
3. ✖ Reversible circuit
4. ✖ Irreversible circuit

Question Number : 21 Question Type : MCQ

Correct : 1 Wrong : 0.33

The purpose of parallel circuit resonance is to magnify

Options :

1. ✖ Current
2. ✔ Voltage
3. ✖ Power
4. ✖ Frequency

Question Number : 22 Question Type : MCQ

Correct : 1 Wrong : 0.33

The shunt combination in band pass filter is

Options :

1. ✖ Capacitive
2. ✖ Inductive
3. ✔ Parallel combination of L and C

4. ✖ Series combination of L and C

Question Number : 23 Question Type : MCQ

Correct : 1 Wrong : 0.33

The dual of a link is

Options :

1. ✖ Twig
2. ✖ Node
3. ✖ Loop
4. ✔ Tree branch

Question Number : 24 Question Type : MCQ

Correct : 1 Wrong : 0.33

At half power frequency, power drawn in the circuit is:

Options :

1. ✖ I^2R
2. ✔ $\frac{1}{2}I^2R$
3. ✖ $\frac{1}{2}IR^2$
4. ✖ IR^2

Question Number : 25 Question Type : MCQ

Correct : 1 Wrong : 0.33

According to star connected system, the line voltage in a 3-phase circuit is

Options :

1. ✔ 1.732 times the phase voltage
2. ✖ 1.414 times the phase voltage
3. ✖ 2.05 times the phase voltage
4. ✖ equal to the phase voltage

Question Number : 26 Question Type : MCQ

Correct : 1 Wrong : 0.33

The sum of two wattmeter readings in a 3-phase circuit gives:

Options :

1. ✖ total resistance in the circuit
2. ✖ total voltage drop in the circuit
3. ✔ total power in the circuit
4. ✖ total current in the circuit

Question Number : 27 Question Type : MCQ

Correct : 1 Wrong : 0.33

In a series R-L-C circuit, impedance at resonance is

Options :

1. ✖ Unity
2. ✖ Maximum

- 3. ✖ Infinity
- 4. ✔ Minimum

Question Number : 28 Question Type : MCQ

Correct : 1 Wrong : 0.33

Which of the following statements is correct about resonance in parallel circuits?

Options :

- 1. ✖ Admittance of circuit is maximum.
- 2. ✖ Current drawn is maximum.
- 3. ✖ Phase angle between current and voltage is a right angle.
- 4. ✔ Power factor is unity.

Question Number : 29 Question Type : MCQ

Correct : 1 Wrong : 0.33

In a parallel resonant circuit, effective impedance is given by:

Options :

- 1. ✖ R
- 2. ✖ $\frac{L}{C}$
- 3. ✔ $\frac{L}{CR}$
- 4. ✖ $\frac{R}{LC}$

Question Number : 30 Question Type : MCQ

Correct : 1 Wrong : 0.33

A coil with large distributed capacitance has a

Options :

- 1. ✔ High resonant frequency
- 2. ✖ low resonant frequency
- 3. ✖ low quality factor
- 4. ✖ low resistance

Question Number : 31 Question Type : MCQ

Correct : 1 Wrong : 0.33

Which of the following does not measure self inductance?

Options :

- 1. ✖ Maxwell's bridge
- 2. ✔ Kelvin's double bridge
- 3. ✖ Hay's bridge
- 4. ✖ Owen's bridge

Question Number : 32 Question Type : MCQ

Correct : 1 Wrong : 0.33

Attractive type and repulsive type are two types of

Options :

1. ✖ Rectifiers
2. ✖ Moving coil instruments
3. ✔ Moving iron instruments
4. ✖ Energy meters

Question Number : 33 Question Type : MCQ

Correct : 1 Wrong : 0.33

Method of control in a thermocouple is

Options :

1. ✖ Hair spring
2. ✔ Moving coil
3. ✖ Eddy currents
4. ✖ Air

Question Number : 34 Question Type : MCQ

Correct : 1 Wrong : 0.33

Which of the following bridges is used to measure high frequency oscillations?

Options :

1. ✖ Maxwell's bridge
2. ✖ Hay's bridge
3. ✔ Wein's bridge
4. ✖ Anderson's bridge

Question Number : 35 Question Type : MCQ

Correct : 1 Wrong : 0.33

A measure of reproducibility of measurements is called

Options :

1. ✖ Resolution
2. ✖ Reproduction
3. ✖ Accuracy
4. ✔ Precision

Question Number : 36 Question Type : MCQ

Correct : 1 Wrong : 0.33

Dynamometer is likely to have

Options :

1. ✔ Air damping
2. ✖ Eddy current damping
3. ✖ Fluid friction damping
4. ✖ Moving coil damping

Question Number : 37 Question Type : MCQ

Correct : 1 Wrong : 0.33

A piezoelectric pick-up is a transducer of the type

Options :

1. ✖ Variable resistance

- 2. ✗ Variable inductance
- 3. ✓ Voltage generating
- 4. ✗ Voltage divider

Question Number : 38 Question Type : MCQ

Correct : 1 Wrong : 0.33

Which of the following does not result in conditioning of signal?

Options :



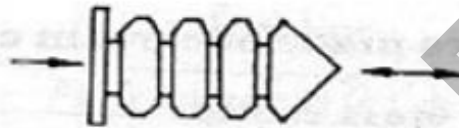
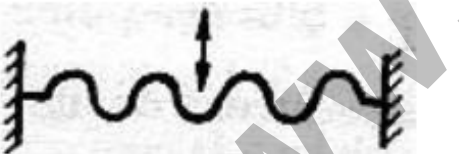
- 1. ✗ Signal converter
- 2. ✓ Amplifier
- 3. ✗ Equalizing network
- 4. ✗ Damping network

Question Number : 39 Question Type : MCQ

Correct : 1 Wrong : 0.33

Which of the following represents Bellows?

Options :

- 1. ✗ 
- 2. ✗ 
- 3. ✓ 
- 4. ✗ 

Question Number : 40 Question Type : MCQ

Correct : 1 Wrong : 0.33

Temperature coefficient of a thermistor is:

Options :

- 1. ✗ low and positive
- 2. ✗ high and positive
- 3. ✗ low and negative
- 4. ✓ high and negative

Question Number : 41 Question Type : MCQ

Correct : 1 Wrong : 0.33

Which of the following is a digital transducer?

Options :

1. ☒ Encoder
2. ☐ Photovoltaic
3. ☐ Thermocouple
4. ☐ Piezoelectric transducer

Question Number : 42 Question Type : MCQ

Correct : 1 Wrong : 0.33

LVDTs give output in the form of

Options :

1. ☐ rotary movement of core
2. ☐ pulses
3. ☐ high frequency signals
4. ☒ linear displacement of core

Question Number : 43 Question Type : MCQ

Correct : 1 Wrong : 0.33

A multimeter consists of:

Options :

1. ☐ voltmeter and current meter
2. ☐ voltmeter and ohm meter
3. ☐ current meter and ohm meter
4. ☒ voltmeter, current meter and ohm meter

Question Number : 44 Question Type : MCQ

Correct : 1 Wrong : 0.33

Transducers are not known as:

Options :

1. ☐ Gauges
2. ☒ Transistors
3. ☐ Pickups
4. ☐ Signal generators

Question Number : 45 Question Type : MCQ

Correct : 1 Wrong : 0.33

In self generating type transducers, voltage is generated because of

Options :

1. ☒ relative motion between conductor and magnetic field
2. ☐ change in electric field
3. ☐ motion of charges
4. ☐ residual magnetism

Question Number : 46 Question Type : MCQ

Correct : 1 Wrong : 0.33

Transducers that make use of a variable core are referred to as

Options :

1. ☐ Reluctance type

- 2. ✓ Permeance type
- 3. ✗ Resistance type
- 4. ✗ Inductance type

Question Number : 47 Question Type : MCQ

Correct : 1 Wrong : 0.33

In LVDT when the core is in the centre, the induced voltages are:

Options :

- 1. ✗ equal and in the same direction
- 2. ✗ unequal but in the same direction
- 3. ✓ equal and opposite
- 4. ✗ unequal and opposite

Question Number : 48 Question Type : MCQ

Correct : 1 Wrong : 0.33

What does the following figure represent?



Options :

- 1. ✗ Capacitive transducer
- 2. ✗ Strain gauge
- 3. ✓ Piezoelectric transducer
- 4. ✗ LVDT

Question Number : 49 Question Type : MCQ

Correct : 1 Wrong : 0.33

Semiconductor strain gauges are used where:

Options :

- 1. ✓ high gauge factor is required
- 2. ✗ low gauge factor is required
- 3. ✗ large envelopes are required
- 4. ✗ gauge factor is not required

Question Number : 50 Question Type : MCQ

Correct : 1 Wrong : 0.33

When measurement provides impulse for remote automatic action, then the result is called:

Options :

- 1. ✗ Process electronics
- 2. ✓ Control system

- 3. ✖ Sensing
- 4. ✖ Conversion

Question Number : 51 Question Type : MCQ

Correct : 1 Wrong : 0.33

For converting a number in decimal number system to its binary equivalent, remainders are recorded after successive division of the number by

Options :

- 1. ✔ 2
- 2. ✖ 10
- 3. ✖ 8
- 4. ✖ 16

Question Number : 52 Question Type : MCQ

Correct : 1 Wrong : 0.33

The decimal equivalent of $(404011)_2$ is:

Options :

- 1. ✖ 48
- 2. ✖ 54
- 3. ✖ 44
- 4. ✔ 43

Question Number : 53 Question Type : MCQ

Correct : 1 Wrong : 0.33

" $A + (B + C) = (A + B) + C$ " is

Options :

- 1. ✔ Associative law
- 2. ✖ Distributive law
- 3. ✖ Commutative law
- 4. ✖ Absorption law

Question Number : 54 Question Type : MCQ

Correct : 1 Wrong : 0.33

On multiplying $(4011)_2$ by $(1401)_2$, we get:

Options :

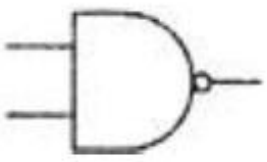
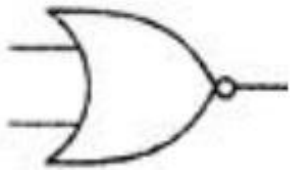
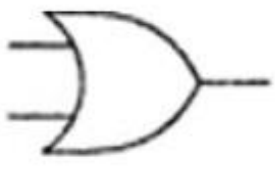
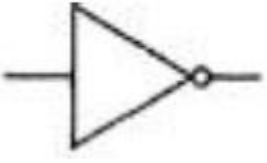
- 1. ✖ 40001400
- 2. ✔ 40001111
- 3. ✖ 40001140
- 4. ✖ 40004011

Question Number : 55 Question Type : MCQ

Correct : 1 Wrong : 0.33

Which of the following refers to NOR gate?

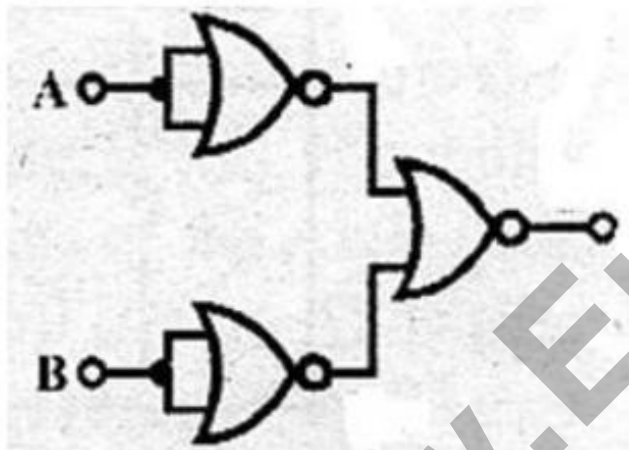
Options :

1. ✖ 
2. ✔ 
3. ✖ 
4. ✖ 

Question Number : 56 Question Type : MCQ

Correct : 1 Wrong : 0.33

Consider the figure below.



The figure is an electric equivalent of:

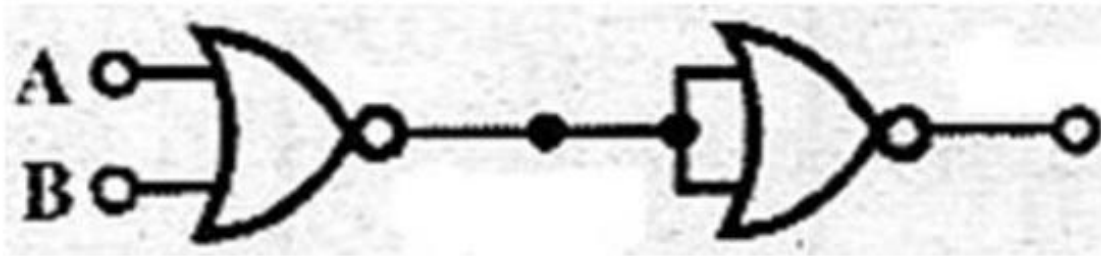
Options :

1. ✖ NAND gate
2. ✖ XOR gate
3. ✔ AND gate
4. ✖ OR gate

Question Number : 57 Question Type : MCQ

Correct : 1 Wrong : 0.33

What is the output of the figure given below?



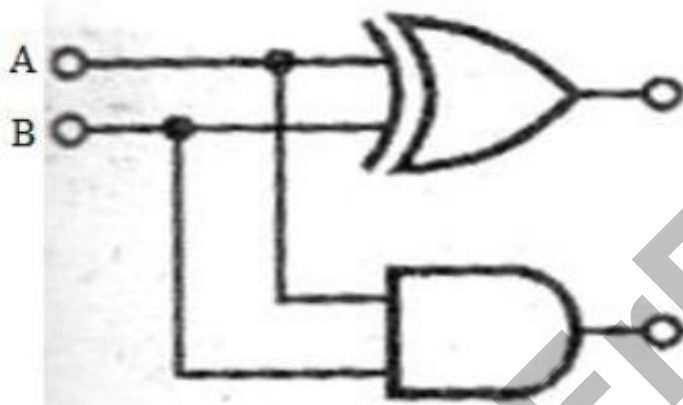
Options :

1. ✗ $A \cdot B$
2. ✓ $A + B$
3. ✗ $(A + B) \cdot B$
4. ✗ $(A \cdot B) \cdot A$

Question Number : 58 Question Type : MCQ

Correct : 1 Wrong : 0.33

The following picture is a logical diagram of:



Options :

1. ✗ Full adder
2. ✗ Full subtractor
3. ✓ Half adder
4. ✗ Half subtractor

Question Number : 59 Question Type : MCQ

Correct : 1 Wrong : 0.33

According to algebra logic, $(A + A')$ generates:

Options :

1. ✗ 0
2. ✓ 1
3. ✗ A
4. ✗ $A + A'$

Question Number : 60 Question Type : MCQ

Correct : 1 Wrong : 0.33

In general, which of the following flip flops are used as shift registers?

Options :

1. ✖ D
2. ✔ JK
3. ✖ SR
4. ✖ T

Question Number : 61 Question Type : MCQ

Correct : 1 Wrong : 0.33

A full adder consists of:

Options :

1. ✖ two inputs and one output
2. ✖ one input and two outputs
3. ✔ three inputs and two outputs
4. ✖ two inputs and three outputs

Question Number : 62 Question Type : MCQ

Correct : 1 Wrong : 0.33

The flip flop circuit is:

Options :

1. ✖ unstable
2. ✖ multistable
3. ✖ monostable
4. ✔ bistable

Question Number : 63 Question Type : MCQ

Correct : 1 Wrong : 0.33

Octal coding involves grouping of bits in

Options :

1. ✔ 3's
2. ✖ 4's
3. ✖ 5's
4. ✖ 6's

Question Number : 64 Question Type : MCQ

Correct : 1 Wrong : 0.33

Which of the following is the fastest unsaturated logic gate?

Options :

1. ✖ RTL
2. ✖ HTL
3. ✖ TTL
4. ✔ ECL

Question Number : 65 Question Type : MCQ

Correct : 1 Wrong : 0.33

The range of output voltage when circuit changes from 1 state to another is:

Options :

1. ✖ 0.1-0.5 ns

2. ☒ 0.5-50 ns

3. ☐ 50-400 ns

4. ☐ 0.5-5.0 ns

Question Number : 66 Question Type : MCQ

Correct : 1 Wrong : 0.33

As compared to parallel adder, serial adder:

Options :

1. ☒ is less faster

2. ☐ needs more components

3. ☐ uses registers with parallel load

4. ☐ is a combinational circuit

Question Number : 67 Question Type : MCQ

Correct : 1 Wrong : 0.33

Look ahead carry generators have

Options :

1. ☒ low propagation delay time

2. ☐ high propagation delay time

3. ☐ no additional circuitry

4. ☐ speed dependent on number of bits

Question Number : 68 Question Type : MCQ

Correct : 1 Wrong : 0.33

A decoder is a:

Options :

1. ☐ synchronous circuit

2. ☒ combinational circuit

3. ☐ sequential circuit

4. ☐ digital circuit

Question Number : 69 Question Type : MCQ

Correct : 1 Wrong : 0.33

A multiplexer is a logic circuit that gets

Options :

1. ☐ single input to several outputs

2. ☐ single input to single output

3. ☒ several inputs to single output

4. ☐ several inputs to no output

Question Number : 70 Question Type : MCQ

Correct : 1 Wrong : 0.33

Race condition always arise in

Options :

1. ☐ digital circuits

2. ☐ synchronous circuits

- 3. ☒ asynchronous circuits
- 4. ☐ combinational circuits

Question Number : 71 Question Type : MCQ

Correct : 1 Wrong : 0.33

Which of the following instruments present signal wave forms visually?

Options :

- 1. ☒ C.R.O
- 2. ☐ Wattmeter
- 3. ☐ Thermocouple
- 4. ☐ L.V.D.T

Question Number : 72 Question Type : MCQ

Correct : 1 Wrong : 0.33

Direct measurement of pressure can be done using

Options :

- 1. ☐ Rota meter
- 2. ☒ Borden tube
- 3. ☐ LVDT
- 4. ☐ Strain gauge

Question Number : 73 Question Type : MCQ

Correct : 1 Wrong : 0.33

At the resonant frequency in LC circuit,

Options :

- 1. ☒ current is maximum
- 2. ☐ current is minimum
- 3. ☐ impedance is maximum
- 4. ☐ voltage across C is minimum

Question Number : 74 Question Type : MCQ

Correct : 1 Wrong : 0.33

Form factor is the ratio of

Options :

- 1. ☐ average value to rms value
- 2. ☒ rms value to average value
- 3. ☐ average value to peak value
- 4. ☐ rms value to peak value

Question Number : 75 Question Type : MCQ

Correct : 1 Wrong : 0.33

Free electrons exist in

Options :

- 1. ☐ Valence band
- 2. ☒ Conduction band
- 3. ☐ Free band

4. ✖ Excited band

Numerical and logical Reasoning questions

Mandatory or Optional:

Mandatory

Question Number : 76 Question Type : MCQ

Correct : 1 Wrong : 0.33

Find out the word-pair in which the two words hold the same relationship as the two words in the word-pair given below.

Orange : Apple

Options :

1. ✖ House : Family

2. ✖ Pen : Ink

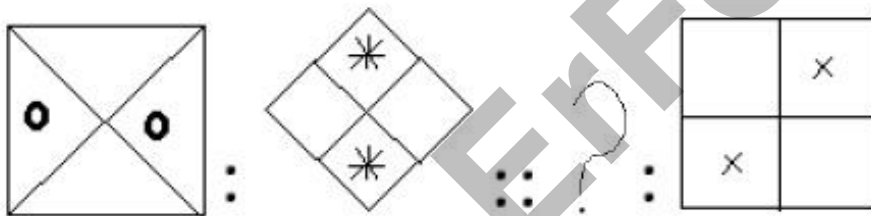
3. ✖ Tree : Flower

4. ✔ Table : Chair

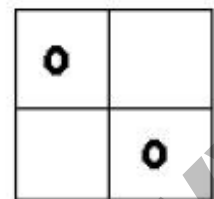
Question Number : 77 Question Type : MCQ

Correct : 1 Wrong : 0.33

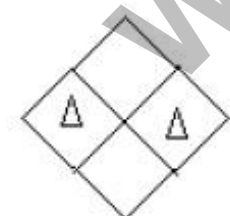
The first two figures on the left side of the sign '::' are related in a certain way. The same relationship holds for the second pair of figures on the right side of the sign '::', of which one is missing. Which of the following is the missing one?



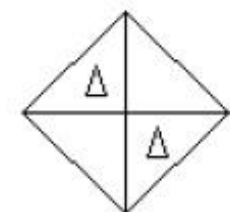
Options :



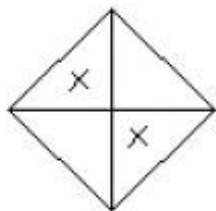
1. ✖



2. ✖



3. ✔



4. ✖

Question Number : 78 Question Type : MCQ

Correct : 1 Wrong : 0.33

Which number will replace the question mark in the number series below?

3, 4, 13, 38, ?, 168

Options :

1. ✖ 63

2. ✔ 87

3. ✖ 77

4. ✖ 102

Question Number : 79 Question Type : MCQ

Correct : 1 Wrong : 0.33

If 12% of 40% of $X = 84$, then what is the value of X ?

Options :

1. ✖ 1600

2. ✖ 1680

3. ✔ 1750

4. ✖ 1860

Question Number : 80 Question Type : MCQ

Correct : 1 Wrong : 0.33

P is the brother of Q and son of R. V is the sister of T, who is the daughter of Q. If R is the husband of S, then which of the following is true?

Options :

1. ✔ V is the granddaughter of S

2. ✖ R is the grandfather of Q

3. ✖ S is the mother of T

4. ✖ V is the nephew of P

Question Number : 81 Question Type : MCQ

Correct : 1 Wrong : 0.33

Four months are given below out of which three are alike in some manner and one is different. Which of the given months is different from the other three?

Options :

1. ✖ October

2. ✖ January

3. ✔ June





4. ✖ December

Question Number : 82 Question Type : MCQ

Correct : 1 Wrong : 0.33

Four figures are given below out of which three are similar in a certain way and one is different. Which is of the given figures is different from the other three?

Options :

1. ✖ 
2. ✔ 
3. ✖ 
4. ✖ 

Question Number : 83 Question Type : MCQ

Correct : 1 Wrong : 0.33

If '+' means '÷', '÷' means '-', '-' means '×' and '×' means '+', then

$$(12 + 4 \times 2) \times 6 - 4 \div 2 = ?$$

Options :

1. ✔ 27
2. ✖ 24
3. ✖ 17
4. ✖ 14

Question Number : 84 Question Type : MCQ

Correct : 1 Wrong : 0.33

If 'DAUGHTER' is coded as 'SFUIHVBE' in a certain language, then how would 'PROBLEM' be coded as in the same language?

Options :

1. ✖ LDKANQO
2. ✔ NFMCP SQ
3. ✖ QSPCMFN
4. ✖ NFMCS PQ

Question Number : 85 Question Type : MCQ

Correct : 1 Wrong : 0.33

Each of the following two rows contains 3 numbers. Some rules are given below to be used for getting the resultant for each row separately. Apply the rules for each row from left to right and answer the question.

Rules:

- (i) If an even number is followed by an odd but not prime number, both are to be multiplied.
- (ii) If an even number is followed by a prime number, both are to be added.
- (iii) If an odd number is followed by a composite odd number, the first number is to be subtracted from the square of the second number.
- (iv) If an odd number is followed by an even number, the odd one is to be subtracted from the even number.

Row I: 16, 9, 23

Row II: 13, 38, 25

What is the difference between the resultants of the first row and the second row?

Options :

- 1. ✖ 193
- 2. ✖ 26
- 3. ✖ 767
- 4. ✔ 433

Computer Applications

Mandatory or Optional:

Mandatory

Question Number : 86 Question Type : MCQ

Correct : 1 Wrong : 0.33

The operating system for mobile phones developed by Google is:

Options :

- 1. ✖ Amoeba
- 2. ✖ Magellan
- 3. ✔ Android
- 4. ✖ Ubuntu

Question Number : 87 Question Type : MCQ

Correct : 1 Wrong : 0.33

The CPU of a computer consists of:

Options :

- 1. ✔ ALU, control unit and registers
- 2. ✖ ALU and control unit
- 3. ✖ ALU, control unit and hard disk
- 4. ✖ ALU, control unit and monitor

Question Number : 88 Question Type : MCQ

Correct : 1 Wrong : 0.33

Which of the following is both an input and an output device?

Options :

1. ✖ Touch screen
2. ✖ LCD projector panel
3. ✖ Audio cards
4. ✔ Modem

Question Number : 89 Question Type : MCQ

Correct : 1 Wrong : 0.33

A program in execution is called:

Options :

1. ✔ Process
2. ✖ Instruction
3. ✖ Procedure
4. ✖ Function

Question Number : 90 Question Type : MCQ

Correct : 1 Wrong : 0.33

Criterion used for judging appropriateness of tool software is:

Options :

1. ✖ Scalability
2. ✖ Compatibility
3. ✔ Functionality
4. ✖ Security

Question Number : 91 Question Type : MCQ

Correct : 1 Wrong : 0.33

Which one of the following decimal number is equivalent to $(10000010)_2$?

Options :

1. ✔ 130_{10}
2. ✖ 200_{10}
3. ✖ 1010_{10}
4. ✖ 304_{10}

Question Number : 92 Question Type : MCQ

Correct : 1 Wrong : 0.33

In a spreadsheet, one function inside another is called:

Options :

1. ✖ Text
2. ✔ Nested
3. ✖ Sum
4. ✖ Round

Question Number : 93 Question Type : MCQ

Correct : 1 Wrong : 0.33

Which of the following is not a part of the Office Suite?

Options :

1. ✖ Database
2. ✖ Image editor
3. ✔ File manager
4. ✖ Word processor

Question Number : 94 Question Type : MCQ

Correct : 1 Wrong : 0.33

Which of the following is not a Search Engine?

Options :

1. ✖ Yahoo
2. ✖ Alta Vista
3. ✖ Google
4. ✔ Facebook

Question Number : 95 Question Type : MCQ

Correct : 1 Wrong : 0.33

A shared network within an organisation to provide connectivity to the staff is called:

Options :

1. ✖ Internet
2. ✔ Intranet
3. ✖ Delnet
4. ✖ Extranet

Mandatory or Optional:

GK / Awareness

Mandatory

Question Number : 96 Question Type : MCQ

Correct : 1 Wrong : 0.33

Which Mughal ruler was on the throne of India when East India company was permitted to establish a factory at Surat?

Options :

1. ✖ Aurangzeb
2. ✖ Humayun
3. ✔ Jehangir
4. ✖ Shahjahan

Question Number : 97 Question Type : MCQ

Correct : 1 Wrong : 0.33

Who advises the centre on legal matters?

Options :

1. ✖ Advocate General of india

2. ✖ President of India
3. ✔ Attorney General of India
4. ✖ Chief Justice of India

Question Number : 98 Question Type : MCQ

Correct : 1 Wrong : 0.33

Which of the following payment instruments is known as plastic money?

Options :

1. ✖ Bearer Cheques
2. ✖ Gift Cheques
3. ✖ Demand Drafts
4. ✔ Credit Cards

Question Number : 99 Question Type : MCQ

Correct : 1 Wrong : 0.33

EEG is taken out for diagnosing ailments of which of the following?

Options :

1. ✔ Brain
2. ✖ Heart
3. ✖ Lungs
4. ✖ Stomach

Question Number : 100 Question Type : MCQ

Correct : 1 Wrong : 0.33

Prime Minister Narendra Modi has recently launched the "Give It Up" Campaign for voluntarily giving up which of the following?

Options :

1. ✖ Drugs
2. ✖ Plastics
3. ✖ Ration
4. ✔ LPG Subsidy