Railway Recruitment Board

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 28th Aug Shift 1 Actual
Subject Name:	Junior Engineer
Creation Date:	2015-08-18 12:44:53.0
Cut Off:	0
Duration:	120
Number of Questions:	150
Total Marks:	150.0

Junior Engineer

Group Number :	1
Group Id :	7
Group Maximum Duration :	0
Group Minimum Duration :	120
Revisit allowed for view? :	No
Revisit allowed for edit? :	No
Break time:	0
Group Marks:	150.0

Junior Engineer

Section Id :	7
Section Number :	1
Section type :	Online
Mandatory or Optional:	Mandatory
Number of Questions:	150
Number of Questions to be attempted:	150
Section Marks:	150.0

Sub-Section Number:	1
Sub-Section Id:	7
Question Shuffling Allowed :	Yes

Question Number : 1 Question Id : 1201 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Which one of following expression is true for Tds equation

1. du - PdV

2. du + PdV

3. du - VdP

4. du + VdP

Options :

1. ✗ 1

2. ✓ 2

3. ✗ 3

4. ✗ 4

Question Number : 2 Question Id : 1202 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

PMM1 is closely related with

1. First law of thermodynamics

2. Second law of thermodynamics

3. Third law of thermodynamics

4. Zeroth law of thermodynamics

Options :

1. ✓ 1

2. ✗ 2

3. ✗ 3

4. ✗ 4

Question Number : 3 Question Id : 1203 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Octane number of iso-octane is

1. 0

2. 30

3. 60

4. 100

Options :

1. ✗ 1

3. ✗ 3

4. ✓ 4

Question Number : 4 Question Id : 1204 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Petrol is used in which cycle

1. Otto cycle

2. Diesel cycle

3. Rankine cycle

4. Carnot cycle

Options :

1. ✓ 1

2. ✗ 2

3. ✗ 3

4. ✗ 4

Question Number : 5 Question Id : 1205 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Isolated system indicates

1. Mass of substance cross the boundary

2. Energy of substance cross the boundary

3. Both mass and energy of substance cross the boundary

4. Both mass and energy of substance does not cross the boundary

Options :

1. ✗ 1

2. ✗ 2

3. ✗ 3

4. ✓ 4

Question Number : 6 Question Id : 1206 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Heat transfer by molecular collision in

1. Conduction

2. Convection

3. Radiation

4. Scattering

Options :
1. ✗ 1
2. ✓ 2
3. ✗ 3
4. ✗ 4

Question Number : 7 Question Id : 1207 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Which one of the following have a highest thermal conductivity

1. Boiling water

2. Steam

3. Solid ice

4. Rain water

Options :
1. ✗ 1
2. ✗ 2
3. ✓ 3
4. ✗ 4

Question Number : 8 Question Id : 1208 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Oxy-acetylene welding is categorised in

1. Arc welding

2. Gas welding

3. Chemical welding

4. Resistance welding

Options :

2. ✅ 2

3. ✗ 3

4. ✗ 4

Question Number : 9 Question Id : 1209 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Acetylene gas is stored in cylinders in

1. Solid form

2. Gaseous form

3. Liquid form

4. Mixture of solid and liquid form

Options :

1. ✗ 1

2. ✗ 2

3. ✅ 3

4. ✗ 4

Question Number : 10 Question Id : 1210 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The temperature at which the new grains are formed in the metal is called

1. Lower critical temperature

2. Upper critical temperature

3. Eutectic temperature

4. Recrystallisation temperature

Options :

1. ✗ 1

2. ✗ 2

3. ✗ 3

4. ✅ 4

Question Number : 11 Question Id : 1211 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The process of improving the cutting action of the grinding wheel is called

1. Truing

2. Dressing

3. Facing

4. Clearing

Options :
1. ✗ 1
2. ✓ 2
3. ✗ 3
4. ✗ 4

Question Number : 12 Question Id : 1212 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The angle on which the strength of the tool depends is

1. Rake angle

2. Cutting angle

3. Clearance angle

4. Lip angle

Options :
1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 13 Question Id : 1213 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Feed rate in milling operation is expressed as

1. mm/tooth

2. mm/rev of milling cutter

3. meters/min

4. mm

Options :
1. ✓ 1

3. ⊗ 3

4. ⊗ 4

Question Number : 14 Question Id : 1214 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The casting defects which is not caused by the high pouring temperature of melts is

1. Cuts

2. Metals penetration

3. Fusion

4. Rat tails

Options :

1. ⊗ 1

2. ✓ 2

3. ⊗ 3

4. ⊗ 4

Question Number : 15 Question Id : 1215 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Which of the following is not a part of Squirrel cage 3 - phase induction motor

1. Rotor

2. Stator

3. Carbon Brushes

4. Shaft

Options :

1. ⊗ 1

2. ⊗ 2

3. ✓ 3

4. ⊗ 4

Question Number : 16 Question Id : 1216 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Number of poles of a 3-phase induction motor when speed of motor is 600 rpm and supply frequency is 50 Hz.

1. 10

2. 5

3. 20

Options :

1. ✓ 1

2. ✗ 2

3. ✗ 3

4. ✗ 4

Question Number : 17 Question Id : 1217 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Air preheater is a part of

1. Thermal power plant

2. Wind power plant

3. Nuclear power plant

4. Hydel power plant

Options :

1. ✓ 1

2. ✗ 2

3. ✗ 3

4. ✗ 4

Question Number : 18 Question Id : 1218 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Steel pipes are manufactured by

1. Argon arc welding

2. Thermit welding

3. Resistance welding

4. Arc welding

Options :

1. ✗ 1

2. ✗ 2

3. ✓ 3

4. ✗ 4

Question Number : 19 Question Id : 1219 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Hopkinson's test on DC machines is conducted at

1. No load

2. Full load

3. Part load

4. Fluctuating load

Options :

1. ✗ 1

2. ✓ 2

3. ✗ 3

4. ✗ 4

Question Number : 20 Question Id : 1220 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Heat generated across a resistance is

1. directly proportional to current flowing through it

2. inversely proportional to the value of resistance

3. directly proportional to the square of current flowing through it

4. directly proportional to square of resistance

Options :

1. ✗ 1

2. ✗ 2

3. ✓ 3

4. ✗ 4

Question Number : 21 Question Id : 1221 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Which of the following is not a type of Transformer on the basis of cooling system

1. Naturally cooled

2. Water cooled

3. Forced air cooled

4. Ammonia cooled

Options :
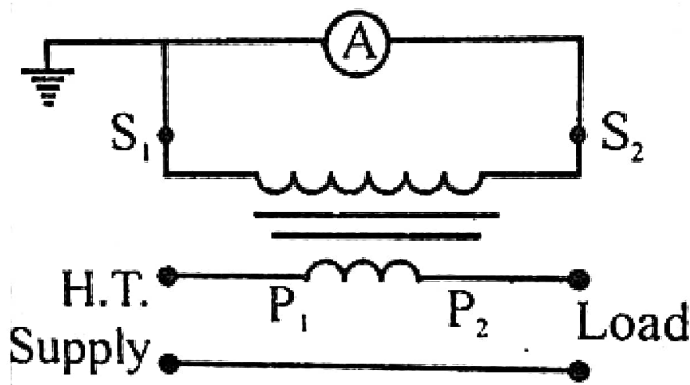
1. ✗ 1

3. ✗ 3

4. ✓ 4

Question Number : 22 Question Id : 1222 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The following is a circuit representation of

1. Auto transformer

2. Current transformer

3. Distribution transformer

4. Potential transformer

Options :

1. ✗ 1

2. ✓ 2

3. ✗ 3

4. ✗ 4

Question Number : 23 Question Id : 1223 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Capacitor start capacitor run motor is basically a

1. DC shunt motor

2. Single Phase motor

3. Two Phase motor

4. Three Phase motor

Options :

1. ✗ 1

2. ✓ 2

3. ✗ 3

4. ✗ 4

Question Number : 24 Question Id : 1224 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

A fuse works on the .... effect of current

1. magnetic

2. static electricity

3. heating

4. chemical

Options :
1. ✗ 1
2. ✗ 2
3. ✓ 3
4. ✗ 4

Question Number : 25 Question Id : 1225 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

In a mercury arc rectifier positive ions are attracted towards

1. mercury pool

2. shell bottom

3. cathode

4. anode

Options :
1. ✗ 1
2. ✗ 2
3. ✓ 3
4. ✗ 4

Question Number : 26 Question Id : 1226 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Boolean algebra obeys

1. commutative law only

2. distributive law only

3. associative law only

4. associative, distributive and commutative law

Options :
1. ✗ 1

2. ❖ 2

3. ❖ 3

4. ✓ 4

Question Number : 27 Question Id : 1227 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The hexadecimal number 64 AC is equivalent to decimal number

1. 25727

2. 25722

3. 25772

4. 25277

Options :

1. ❖ 1

2. ❖ 2

3. ✓ 3

4. ❖ 4

Question Number : 28 Question Id : 1228 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

When transistors are used in digital circuits they usually operate in the

1. active region

2. break down region

3. saturated region

4. saturation and cut off region

Options :

1. ❖ 1

2. ❖ 2

3. ❖ 3

4. ✓ 4

Question Number : 29 Question Id : 1229 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Most of the electrons in the base of an NPN transistor flow

1. out of the base lead

2. into the collector

3. into the base

4. into the base supply

Options :
1. ⊗ 1
2. ✓ 2
3. ⊗ 3
4. ⊗ 4

Question Number : 30 Question Id : 1230 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

RF amplification is used to amplify the waves

1. before detection

2. after detection

3. after modulation

4. after AF amplification

Options :
1. ✓ 1
2. ⊗ 2
3. ⊗ 3
4. ⊗ 4

Question Number : 31 Question Id : 1231 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

A Karnaugh map with 4 variables has

1. 2 cells

2. 4 cells

3. 8 cells

4. 16 cells

Options :
1. ⊗ 1

3. ✗ 3

4. ✓ 4

Question Number : 32 Question Id : 1232 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

A transistor has a current gain of 0.99 in the CB mode. Its current gain in the CC mode is

1. 100

2. 99

3. 0.99

4. 1.01

Options :

1. ✓ 1

2. ✗ 2

3. ✗ 3

4. ✗ 4

Question Number : 33 Question Id : 1233 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The number of doped regions in P-N diode is

1. 1

2. 2

3. 3

4. 4

Options :

1. ✗ 1

2. ✓ 2

3. ✗ 3

4. ✗ 4

Question Number : 34 Question Id : 1234 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The types of carriers in a semiconductor are

1. 1

2. 2

3. 3

4. may be 1 or 2 depending on material

Options :
1. ✗ 1
2. ✓ 2
3. ✗ 3
4. ✗ 4

Question Number : 35 Question Id : 1235 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

In the case of pure bending, the beam will bend into an arc of a

1. Circle

2. Parabola

3. Ellipse

4. Hyperbola

Options :
1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 36 Question Id : 1236 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Consistency as applied to cohesive soils is an indicator of its

1. Density

2. Moisture content

3. Shear strength

4. Porosity

Options :
1. ✗ 1

3. ✓ 3

4. ✗ 4

Question Number : 37 Question Id : 1237 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Which one of the following is not a compression member?

1. Strut

2. Tie

3. Rafter

4. Boom

Options :

1. ✗ 1

2. ✓ 2

3. ✗ 3

4. ✗ 4

Question Number : 38 Question Id : 1238 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Milk mixes with water due to

1. Very good cohesion

2. Very good adhesion

3. Very good surface tension

4. Very good vapour pressure

Options :

1. ✗ 1

2. ✓ 2

3. ✗ 3

4. ✗ 4

Question Number : 39 Question Id : 1239 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The probability distribution taken to represent the completion time in PERT analysis is

1. Gamma distribution

2. Normal distribution

3. Beta distribution

4. Log normal distribution

Options :

2. ✗ 2

3. ✓ 3

4. ✗ 4

Question Number : 40 Question Id : 1240 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The strength of timber is maximum when load applied is

1. Parallel to grain

2. Perpendicular to grain

3. Inclined at 45° to grain

4. Inclined at 60° to grain

Options :

1. ✓ 1

2. ✗ 2

3. ✗ 3

4. ✗ 4

Question Number : 41 Question Id : 1241 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

An ideal fluid

1. obey's Newton's law of viscosity

2. is both incompressible and non-viscous

3. is non viscous

4. Frictionless and compressible

Options :

1. ✗ 1

2. ✓ 2

3. ✗ 3

4. ✗ 4

Question Number : 42 Question Id : 1242 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The two point problem and three point problem are methods of

1. Resection

2. Orientation

3. Traversing

4. Resection and orientation

Options :

1. ✗ 1
2. ✗ 2
3. ✗ 3
4. ✓ 4

Question Number : 43 Question Id : 1243 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Subtense bar is an instrument used for

1. Levelling

2. Measurement of horizontal distances in plane areas

3. Measurement of horizontal distances in undulated areas

4. Measurement of angles

Options :

1. ✗ 1
2. ✗ 2
3. ✓ 3
4. ✗ 4

Question Number : 44 Question Id : 1244 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

A soil having particles of nearly the same size is known as

1. Well graded

2. Uniformly graded

3. Poorly graded

4. Gap graded

Options :

1. ✗ 1

3. ✗ 3

4. ✗ 4

Question Number : 45 Question Id : 1245 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Addition of pozzolana to ordinary portland cement increase

1. Bleeding

2. Shrinkage

3. Permeability

4. Heat of hydration

Options :

1. ✗ 1

2. ✓ 2

3. ✗ 3

4. ✗ 4

Question Number : 46 Question Id : 1246 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Critical path

1. is always longest

2. is always shortest

3. May be longest

4. May be shortest

Options :

1. ✓ 1

2. ✗ 2

3. ✗ 3

4. ✗ 4

Question Number : 47 Question Id : 1247 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The scale of a rectifier instrument is

(a) linear

(b) non-linear

(c) either linear or non linear

(d) neither linear or non linear

Options :

1. ✓ (a)

2. ✗ (b)

3. ✗ (c)

4. ✗ (d)

Question Number : 48 Question Id : 1248 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

For measuring current at high frequency we should use

(a) moving iron instrument
(b) electrostatic instrument
(c) thermocouple instrument
(d) PMMC instruments

Options :

1. ✗ (a)

2. ✗ (b)

3. ✓ (c)

4. ✗ (d)

Question Number : 49 Question Id : 1249 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The resistance in the circuit of the moving coil of a dynamometer wattmeter should be

(a) almost zero
(b) low
(c) high
(d) very low

Options :

1. ✗ (a)

2. ✗ (b)

4. ⊗ (d)

Question Number : 50 Question Id : 1250 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

A dynamometer wattmeter can be used for

(a) both D.C. and A.C if scales are calibrated
(b) D.C. only
(c) A.C. only
(d) both AC and DC without any calibration of scale

Options :

1. ✓ (a)

2. ⊗ (b)

3. ⊗ (c)

4. ⊗ (d)

Question Number : 51 Question Id : 1251 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

In a low power factor wattmeter the compensating coil is connected

(a) in series with current coil
(b) in parallel with current coil
(c) in series with pressure coil
(d) in parallel with pressure coil

Options :

1. ⊗ (a)

2. ⊗ (b)

3. ✓ (c)

4. ⊗ (d)

Question Number : 52 Question Id : 1252 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The average water consumption for government offices ranges from

(a) 45 – 90 litres per capita per day

(b) 30 – 60 litres per capita per day

(c) 75 – 100 litres per capita per day

(d) 25 – 50 litres per capita per day

Options :

1. ✓ (a)

3. ✗ (c)

4. ✗ (d)

Question Number : 53 Question Id : 1253 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

In water treatment, the manual screens are kept inclined at an angle of

(a) $30 - 50^0$ with the horizontal

(b) $45 - 60^0$ with the horizontal

(c) $50 - 70^0$ with the horizontal

(d) $45 - 80^0$ with the horizontal

Options :

1. ✗ (a)

2. ✓ (b)

3. ✗ (c)

4. ✗ (d)

Question Number : 54 Question Id : 1254 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The water distribution networks are normally designed for a period of

(a) 40 years

(b) 30 years

(c) 25 years

(d) 50 years

Options :

1. ✗ (a)

2. ✓ (b)

3. ✗ (c)

4. ✗ (d)

Question Number : 55 Question Id : 1255 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Which of the following is used for the removal of particulates as well as gaseous pollutants

(a) catalytic converters

(b) wet scrubbers

(c) electrostatic precipitators

(d) fluidized bed adsorbers

Options :

1. ✗ (a)

3. ✱ (c)

4. ✱ (d)

Question Number : 56 Question Id : 1256 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The summation of 50 dBA noise level with another 50 dBA noise level is equal to

(a) 100 dBA

(b) 50 dBA

(c) 53 dBA

(d) 56 dBA

Options :

1. ✱ (a)

2. ✱ (b)

3. ✓ (c)

4. ✱ (d)

Question Number : 57 Question Id : 1257 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Which of the following is correct in respect of ozone layer:

(a) ozone layer is being highest at equator and lowest at poles

(b) ozone layer is being highest at poles and lowest at equator

(c) ozone layer is being uniform thickness throughout the layer

(d) ozone layer is being uniform at equator but non uniform at poles

Options :

1. ✓ (a)

2. ✱ (b)

3. ✱ (c)

4. ✱ (d)

Question Number : 58 Question Id : 1258 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Monitor (VDU) is a(an) _____

(A) Output device   (B) Input device

(C) Storage device   (D) Both input and output device

Options :

1. ✓ (A)

2. ✱ (B)

4. ✗ (D)

Which of the following memories is directly accessible by the CPU?

(A) RAM   (B) Hard Disk

(C) Magnetic Tape   (D) DVD

Options :

1. ✓ (A)

2. ✗ (B)

3. ✗ (C)

4. ✗ (D)

Static RAM (SRAM) is faster than Dynamic RAM (DRAM) because _____

(A) SRAM uses capacitors   (B) SRAM is costlier

(C) SRAM does not require refreshing   (D) SRAM is cheaper

Options :

1. ✗ (A)

2. ✗ (B)

3. ✓ (C)

4. ✗ (D)

UTF-8 is a(an) _____

(A) 8-bit fixed-width encoding   (B) 8-bit variable-width encoding

(C) 16-bit variable-width encoding   (D) 16-bit fixed-width encoding

Options :

1. ✗ (A)

2. ✓ (B)

3. ✗ (C)

4. ✗ (D)

The hexadecimal representation of 225.5 is _____

(A) $(E1.08)_{16}$

(B) $(E1.80)_{16}$

(C) $(1E.80)_{16}$

(D) $(1E.08)_{16}$

Options :

1. ✗ (A)
2. ✓ (B)
3. ✗ (C)
4. ✗ (D)

Question Number : 63 Question Id : 1263 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Considering X and Y as binary variables, the Boolean expression X + XY' is equivalent to

(A) X

(B) 1

(C) 0

(D) Y

Options :

1. ✓ (A)
2. ✗ (B)
3. ✗ (C)
4. ✗ (D)

Question Number : 64 Question Id : 1264 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The 2's compliment of the binary number $(01010101)_2$ is

(A) $(10000000)_2$

(B) $(11111111)_2$

(C) $(01010110)_2$

(D) $(10101011)_2$

Options :

1. ✗ (A)
2. ✗ (B)
3. ✗ (C)
4. ✓ (D)

Question Number : 65 Question Id : 1265 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Compiler is used to convert

(A) High-level language programs into machine codes

(B) Low-level language programs into machine codes

(C) Assembly language programs into machine codes

(D) High-level language programs into assembly codes

Options :

1. ✓ (A)

3. � (C)

4. ✖ (D)

Question Number : 66 Question Id : 1266 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

66. In class 'A' IP addresses, number of network ID bits used to identify the class is _____

(A) 0   (B) 1

(C) 2   (D) 3

Options :

1. ✖ (A)

2. ✓ (B)

3. ✖ (C)

4. ✖ (D)

Question Number : 67 Question Id : 1267 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Which of the following categories of networks has smallest geographic area?

(A) MAN   (B) PAN

(C) LAN   (D) WAN

Options :

1. ✖ (A)

2. ✓ (B)

3. ✖ (C)

4. ✖ (D)

Question Number : 68 Question Id : 1268 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The distance between two stations is 20 kilometres. If the R.F. of the scale is 1/400000. Then the distance between the two stations on the map will be

(a) 50 cm   (b) 5 cm   (c) 5 mm   (d) 1 cm

Options :

1. ✖ (a)

2. ✓ (b)

3. ✖ (c)

4. ✖ (d)

Question Number : 69 Question Id : 1269 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

If a line is perpendicular to V.P. and parallel to H.P., its front view will be

(a) a point

(b) a line of smaller dimension

(c) a line of larger dimension

(d) a line of same dimension

Options :

1. ✓ (a)

2. ✗ (b)

3. ✗ (c)

4. ✗ (d)

Question Number : 70 Question Id : 1270 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

A circular plane with a 60mm diameter is resting on a point of its circumference on the V.P.. The surface of the plane is inclined at 45^0 to the V.P. and perpendicular to H.P.. Its front view will be

(a) a straight line

(b) an ellipse

(c) a circle

(d) a rectangle

Options :

1. ✗ (a)

2. ✓ (b)

3. ✗ (c)

4. ✗ (d)

Question Number : 71 Question Id : 1271 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The angle that isometric lines make with each other is

(a) 90°

(b) 60°

(c) 120°

(d) 45°

Options :

1. ✗ (a)

2. ✗ (b)

3. ✓ (c)

4. ✗ (d)

Question Number : 72 Question Id : 1272 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The eccentricity of a parabola is

(a) =1

(b) <1

(c) >1

(d) =0

Options :

2. ⊠ (b)

3. ⊠ (c)

4. ⊠ (d)

Question Number : 73 Question Id : 1273 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

A force of 20 N accelerates a body from rest to a velocity of 3 m/s in 10 s. The magnitude of

change in momentum of the body in one second is

   (a) 2 kg m/s

   (b) 20 kg m/s

   (c) 60 kg m/s

   (d) 6 kg m/s

Options :

1. ⊠ (a)

2. ✓ (b)

3. ⊠ (c)

4. ⊠ (d)

Question Number : 74 Question Id : 1274 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The mass of an object is 24 kg on the surface of Earth. It's mass on the surface of Moon will be

   (a) 24 kg

   (b) 4 kg

   (c) 2.4 kg

   (d) 0.24 kg

Options :

1. ✓ (a)

2. ⊠ (b)

3. ⊠ (c)

4. ⊠ (d)

Question Number : 75 Question Id : 1275 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

A 5 kg box is raised through a height. Its   potential energy increases by 49 J. The height is

$(g = 9.8 \text{ m/s}^2)$

   (a) 9.8 m

   (b) 5.0 m

   (c) 1.0 m

Options :

1. ⌗ (a)

2. ⌗ (b)

3. ✓ (c)

4. ⌗ (d)

Question Number : 76 Question Id : 1276 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Smita uses a tuning fork of frequency 512 Hz to produce sound in the science laboratory of her

school. The velocity of sound in the laboratory is 344 m/s. The distance between two

consecutive crests of the sound waves produced is

    (a) 1.34 m
    (b) 0.67 m
    (c) 6.7 m
    (d) 1.49 m

Options :

1. ⌗ (a)

2. ✓ (b)

3. ⌗ (c)

4. ⌗ (d)

Question Number : 77 Question Id : 1277 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

A concave lens forms an image of a real object. This image is necessarily

    (a) enlarged, erect and real
    (b) enlarged, erect and virtual
    (c) diminished, inverted and virtual
    (d) diminished, erect and virtual.

Options :

1. ⌗ (a)

2. ⌗ (b)

3. ⌗ (c)

4. ✓ (d)

Question Number : 78 Question Id : 1278 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

A wire has a radius of 0.50 mm and carries a current of 0.5 A. The resistivity of the material of

wire is 1.1 x 10^{-6} ohm-m. The potential difference per unit length along the wire is

      (a) 0.70 V/m
      (b) 1.4 V/m
      (c) 2.2 V/m
      (d) 0.90 V/m.

Options :

1. ✓ (a)

2. ✗ (b)

3. ✗ (c)

4. ✗ (d)

Question Number : 79 Question Id : 1279 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

A substance "A" reacts with another substance "B" to yield a substance "C" and a gas "D". The gas "D" which when passed through lime water turns it milky. The substances "A" and "B" are

a) A) = HCl & B) = Na2CO3   b) A)= NaHCO3 & B) = H2O

c) A) = Na2CO3 & B) = H2O   d) A) = CH3COOH & B) = NaOH

Options :

1. ✓ a)

2. ✗ b)

3. ✗ c)

4. ✗ d)

Question Number : 80 Question Id : 1280 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Which of the following represents a double displacement reaction?

a) Zn + 2HCl ----> ZnCl2 +H2

b) Cu + AgNO3 ----> Cu(NO3) 2 +2Ag

c) K2SO4 + BaCl2 ----> BaSO4 + 2KCl

d) CH4 + 2O2 ----> CO2 +2H2O

Options :

1. ✗ a)

2. ✗ b)

3. ✓ c)

4. ✗ d)

Question Number : 81 Question Id : 1281 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Which of the following set of conditions are the most favourable for corrosion of metals?

(i) Dry air (ii) Humid air (iii) Presence of acidic gases

a) (ii) only b) (iii) only
c) (i) & (iii) d) (ii) & (iii)

Options :

1. � a)

2. ✗ b)

3. ✗ c)

4. ✓ d)

Question Number : 82 Question Id : 1282 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

A trivalent metal "M" was made to react with oxygen to yield 0.25 mole of metal oxide. Which of the following is a correct statement about the product of this reaction?
The reaction product contains

a) 1.506×1023 molecules of oxide of formula M2O3.
b) 1.506×1023 molecules of oxide of formula M3O2.
c) 1.506×105.75 molecules of oxide of formula M3O2.
d) 1.506×105.75 molecules of oxide of formu a M2O3.

Options :

1. ✓ a)

2. ✗ b)

3. ✗ c)

4. ✗ d)

Question Number : 83 Question Id : 1283 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

In Modern Periodic Table, there are

a) 18 Groups and 09 periods b) 18 Groups and 07 periods
c) 07 Groups and 18 periods d) 08 Groups and 06 periods

Options :

1. ✗ a)

2. ✓ b)

3. ✗ c)

4. ✗ d)

Question Number : 84 Question Id : 1284 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Which of the following would immediately decolorize bromine dissolved in Carbon disulphide?

a) Ethane b) Pentane
c) Benzene d) Propene

Options :

1. ✗ a)

2. ✗ b)

4. ✓ d)

Question Number : 85 Question Id : 1285 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

What is the term given to a sudden change in the structure of a gene?

a) Recombination

b) Mutation

c) Variation

d) Evolution

Options :

1. ⌗ a)
2. ✓ b)
3. ⌗ c)
4. ⌗ d)

Question Number : 86 Question Id : 1286 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

When fumes of Sulphur-dioxide and Nitrous Oxide dissolve in water present in the clouds, they form acids which cause

a) Eutrophication

b) Acid rain

c) Air pollution

d) Climate change

Options :

1. ⌗ a)
2. ✓ b)
3. ⌗ c)
4. ⌗ d)

Question Number : 87 Question Id : 1287 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Which teeth do we use when we cut and tear food?

a) Incisors and Molars

b) Molars and Premolars

c) Premolars and Canines

d) Incisors and Canines

Options :

2. ✖ b)

3. ✖ c)

4. ✓ d)

Question Number : 88 Question Id : 1288 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

After Pollination and Fertilization, which part of the carpel or pistil becomes the fruit?

a) Entire carpel

b) Stigma

c) Style

d) Ovary

Options :

1. ✖ a)

2. ✖ b)

3. ✖ c)

4. ✓ d)

Question Number : 89 Question Id : 1289 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

To which kingdom of life do all bacteria belong?

a) Monera

b) Fungi

c) Plantae

d) Animalia

Options :

1. ✓ a)

2. ✖ b)

3. ✖ c)

4. ✖ d)

Question Number : 90 Question Id : 1290 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Which one of the following does not carry oxygenated blood?

a) Pulmonary Vein

b) Pulmonary Artery

c) Aorta

d) Renal Artery

1. ✖ a)
2. ✔ b)
3. ✖ c)
4. ✖ d)

Question Number : 91 Question Id : 1291 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The HCF and LCM of 9 and 17 are

a. 0,153
b. 1,153
c. 1,9
d. 1,17

Options :
1. ✖ a.
2. ✔ b.
3. ✖ c.
4. ✖ d.

Question Number : 92 Question Id : 1292 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The least number which when divided by 15 and 20 leaving remainder 9 in each case is

a. 60
b. 65
c. 69
d. 309

Options :
1. ✖ a.
2. ✖ b.
3. ✔ c.
4. ✖ d.

Question Number : 93 Question Id : 1293 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

If a :b =4:5 and a+b = 63, then a is equal to

a. 28
b. 35
c. 49
d. 54

Options :
1. ✔ a.
2. ✖ b.
3. ✖ c.
4. ✖ d.

Question Number : 94 Question Id : 1294 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

If 3,x,2x,50 are in proportion then x is equal to

- a. 5
- b. 75
- c. $5\sqrt{3}$
- d. $10\sqrt{3}$

Options :

1. ✗ a.
2. ✗ b.
3. ✓ c.
4. ✗ d.

Question Number : 95 Question Id : 1295 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

If 20% of a number is 30, then number is

- a. 120
- b. 130
- c. 140
- d. 150

Options :

1. ✗ a.
2. ✗ b.
3. ✗ c.
4. ✓ d.

Question Number : 96 Question Id : 1296 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

If ₹ 500 amounts to Rs.700 in 8 years, then rate of simple interest is

- a. 5%
- b. 6%
- c. 8%
- d. 10%

Options :

1. ✓ a.
2. ✗ b.
3. ✗ c.
4. ✗ d.

Question Number : 97 Question Id : 1297 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The compound interest on ₹ 10,000 for 1 year at the rate of 8% per annum compounded half yearly is

a. ₹ 800

b. ₹ 816

c. ₹ 856

d. ₹ 958

Options :

1. ✗ a.

2. ✓ b.

3. ✗ c.

4. ✗ d.

Question Number : 98 Question Id : 1298 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The C.P of an article is ₹ 210. If loss is 10%, then SP of article is

a. ₹ 240

b. ₹ 220

c. ₹ 231

d. ₹ 189

Options :

1. ✗ a.

2. ✗ b.

3. ✗ c.

4. ✓ d.

Question Number : 99 Question Id : 1299 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The selling price of an article is ₹ 900. If it is sold at a loss of 10%, then cost price is

a. ₹ 990

b. ₹ 1000

c. ₹ 810

d. ₹ 910

Options :

1. ✗ a.

2. ✓ b.

3. ✗ c.

4. ✗ d.

Question Number : 100 Question Id : 1300 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

A shopkeeper mixes 20 kg of wheat which cost him ₹ 16/kg with 10 kg of wheat which cost him ₹ 12/kg. He sells the mixture at ₹ 18/kg. His profit is

  a. ₹ 100

  b. ₹ 110

  c. ₹ 115

  d. ₹ 120

Options :

1. ✓ a.

2. ✗ b.

3. ✗ c.

4. ✗ d.

Question Number : 101 Question Id : 1301 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

In two vessels A and B, spirit and water are in the ratio 5:2 and 3:4 respectively. The ratio in which these are mixed which contains spirit and water in the ratio 2:1 is

  a. 5:2

  b. 2:5

  c. 5:1

  d. 1:5

Options :

1. ✗ a.

2. ✗ b.

3. ✓ c.

4. ✗ d.

Question Number : 102 Question Id : 1302 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The speed of a car is 90 km/h. The time taken by it in seconds to cover a distance of 700m is

  a. 20

  b. 25

  c. 28

  d. 35

Options :

1. ✗ a.

2. ✗ b.

3. ✓ c.

4. ✗ d.

Question Number : 103 Question Id : 1303 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

A train 120 m long is moving with the speed of 72 km/h. The time taken in seconds, to cross a stationary train 100 m long is

a. 5
b. 6
c. **11**
d. 15

Options :
1. ✗ a.
2. ✗ b.
3. ✓ c.
4. ✗ d.

Question Number : 104 Question Id : 1304 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

A and B can do a piece of work in 10 day. A alone can do the same work in 15 days. In how many days B alone can do same work?

a. 30
b. 25
c. 22
d. 20

Options :
1. ✓ a.
2. ✗ b.
3. ✗ c.
4. ✗ d.

Question Number : 105 Question Id : 1305 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

P and Q can do a piece work in 15 days, Q and R in 12 days and R and P in 20 days. The number of days required for P to do same work is

a. 20
b. 30
c. 50
d. 60

Options :
1. ✗ a.
2. ✗ b.
3. ✗ c.
4. ✓ d.

Question Number : 106 Question Id : 1306 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The average of cubes of first five whole numbers is

a. 25
b. 20
c. 16
d. 6

Options :

1. ❀ a.
2. ✓ b.
3. ❀ c.
4. ❀ d.

**Question Number : 107 Question Id : 1307 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33**

The average of 11 observations is 20. If average of first 6 observations is 18 and average of last 6 observations is 25, the sixths observation is

a. 38
b. 45
c. 36
d. 43

Options :

1. ✓ a.
2. ❀ b.
3. ❀ c.
4. ❀ d.

**Question Number : 108 Question Id : 1308 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33**

The sum of first 16 terms of the AP

10, 7, 4, 1,..., is

a. - 400
b. - 300
c. - 200
d. - 800

Options :

1. ❀ a.
2. ❀ b.
3. ✓ c.
4. ❀ d.

**Question Number : 109 Question Id : 1309 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33**

The sum of infinite GP $1, \frac{1}{2}, \frac{1}{4}, \frac{1}{8}, ...,$ is

   a. 5

   b. 4

   c. 3

   d. 2

Options :

1. ✗ a.

2. ✗ b.

3. ✗ c.

4. ✓ d.

Question Number : 110 Question Id : 1310 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

A vertical pole is tied with a string of length 20m on the ground. If string makes an angle of 30^0 with the ground, the length of pole is

   a. $10\sqrt{3}$m

   b. 10m

   c. 15m

   d. $5\sqrt{3}$ m

Options :

1. ✗ a.

2. ✓ b.

3. ✗ c.

4. ✗ d.

Question Number : 111 Question Id : 1311 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The angles of elevation of top of a tower, 30m high, from two points on same side of the tower are 30^0 and 60^0 respectively. If the two point and base of tower are in same line, the distance between two points is

   a. $20\sqrt{3}$m

   b. $20(\sqrt{3}+1)$m

   c. $40\sqrt{3}$m

   d. $40(\sqrt{3}-1)$m

Options :

1. ✓ a.

2. ✗ b.

3. ✗ c.

4. ✗ d.

Question Number : 112 Question Id : 1312 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

If (x+2) is a factor of $ax^2-5x+6=0$, then a is equal to

a. 8
b. -8
c. -4
d. 4

Options :

1. ✽ a.
2. ✽ b.
3. ✓ c.
4. ✽ d.

Question Number : 113 Question Id : 1313 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

One of the factor of $(3x-4y)^3 +(4x-3y)^3$ is

a. (y+x)
b. (7x-y)
c. (7y-3x)
d. (x-y)

Options :

1. ✽ a.
2. ✽ b.
3. ✽ c.
4. ✓ d.

Question Number : 114 Question Id : 1314 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The value of k for which $3x^2-5x+2k=0$ has equal roots is

a. $\dfrac{25}{24}$
b. $\dfrac{25}{6}$
c. $\dfrac{25}{12}$
d. $\dfrac{25}{18}$

Options :

1. ✓ a.
2. ✽ b.
3. ✽ c.
4. ✽ d.

Question Number : 115 Question Id : 1315 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The sum of squares of the roots of the equations $x^2-5x+4=0$ is

a. 15
b. 17
c. 20
d. 25

Options :

1. ❌ a.
2. ✓ b.
3. ❌ c.
4. ❌ d.

Question Number : 116 Question Id : 1316 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Match List 1 with List 2 and select the correct answer from the codes given below in the list

List 1 (State)	List 2 (Emblem)
A. Chera	1. Bow
B. Chola	2. Tiger
C. Pandya	3. Fish

1.	A- 1	B- 2	C- 3
2.	A-3	B-2	C-1
3.	A-3	B-1	C- 2
4.	A-2	B-1	C-3

Options :

1. ✓ 1
2. ❌ 2
3. ❌ 3
4. ❌ 4

Question Number : 117 Question Id : 1317 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The medieval ruler who was the first to establish a ministry of agriculture(Diwan-i-Kohi) was

1. Alauddin Khilji
2. Mohammad Bin Tughlaq
3. Sher Shah
4. Akbar

Options :

1. ❌ 1
2. ✓ 2
3. ❌ 3

Question Number : 118 Question Id : 1318 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

When did Queen Victoria declared the taking over the Indian Administration under British crown

1. 1 November, 1858
2. 31 December, 1857
3. 6 January, 1958
4. 17 November, 1859

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 119 Question Id : 1319 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Through which one of the following continent, do the equator, the tropic of cancer and the tropic of capricorn pass through

1. Africa
2. South America
3. North America
4. Australia

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 120 Question Id : 1320 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Shivasundaram Falls are located in the course of the river

1. Krishna
2. Godavari
3. Kaveri
4. Mahanadi

Options :

1. ✗ 1
2. ✗ 2
3. ✓ 3
4. ✗ 4

Question Number : 121 Question ...

Which one state of India is surrounded by Bangladesh from three sides

1. Mizoram
2. Meghalaya
3. Tripura
4. West Bengal

Options :

1. ✗ 1
2. ✗ 2
3. ✓ 3
4. ✗ 4

Question Number : 122 Question Id : 1322 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The torque on a rectangular coil placed in uniform magnetic field is large when the

1. number of turns is large
2. number of turns is less
3. plane of the coil is perpendicular to the magnetic field
4. area of the coil is small

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 123 Question Id : 1323 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Which of the following is the best conductor of heat

1. mercury
2. water
3. leather
4. benzene

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 124 Question Id : 1324 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Due to contraction of eyeball, a long sighted eye can see only

1. farther objects which is corrected using convex lens

2. farther objects which is corrected using concave lens

3. nearer objects which is corrected using convex lens

4. nearer objects which is corrected using concave lens

Options :

1. ❌ 1

2. ❌ 2

3. ✓ 3

4. ❌ 4

Question Number : 125 Question Id : 1325 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Who among the following was the chairman of the union constitution committee of

the constituent assembly

1. B.R. Ambedkar

2. J. B. kripalani

3. Jawaharlal Nehru

4. Alladi Krishnaswamy Iyer

Options :

1. ❌ 1

2. ❌ 2

3. ✓ 3

4. ❌ 4

Question Number : 126 Question Id : 1326 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Which one of the following Constitutional Amendments state that the total number

of ministers, including the prime minister in the council of ministers shall not exceed 15% of

the total number of members of the house of the people

1. 90th

2. 91st

3. 92nd

4. 93rd

Options :

1. ❌ 1

2. ✓ 2

3. ❌ 3

4. ❌ 4

Question Number : 127 Question Id : 1327 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Depreciation is equal to

1. Gross National Product - Net National Product
2. Net National Product - Gross National Product
3. Gross National Product - Personal Income
4. Personal Income - Personal Taxes

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 128 Question Id : 1328 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The slogan 'Garibi Unmulan'(Poverty eradication) was given in which Five year plan

1. Second plan
2. Fourth plan
3. Fifth plan
4. Sixth plan

Options :

1. ✗ 1
2. ✗ 2
3. ✓ 3
4. ✗ 4

Question Number : 129 Question Id : 1329 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The first Census in India during the British period was held during the tenure of

1. Lord Dufferin
2. Lord Lytton
3. Lord Mayo
4. Lord Ripon

Options :

1. ✗ 1
2. ✗ 2
3. ✓ 3
4. ✗ 4

Question Number : 130 Question Id : 1330 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

In Baseball, how many players are there in each side

1. 5
2. 7
3. 9
4. 11

Options :

1. ✗ 1
2. ✗ 2
3. ✓ 3
4. ✗ 4

Question Number : 131 Question Id : 1331 Question Type : MCQ Option Shuffling : No Correct : 1.0 Wrong : 0.33

Which nation won the Azlan shah cup Hockey in april 2015

1. India
2. South korea
3. Australia
4. New Zealand

Options :

1. ✗ 1
2. ✗ 2
3. ✗ 3
4. ✓ 4

Question Number : 132 Question Id : 1332 Question Type : MCQ Option Shuffling : No Correct : 1.0 Wrong : 0.33

Viruses are made up of

1. Protein & lipids
2. Nucleic acid & protein
3. Lipids & Carbohydrate
4. Carbohydrate & Nucleic acid

Options :

1. ✗ 1
2. ✓ 2
3. ✗ 3
4. ✗ 4

Question Number : 133 Question Id : 1333 Question Type : MCQ Option Shuffling : No Correct : 1.0 Wrong : 0.33

Which of the following crop enrich the soil with nitrogen

1. potato
2. sorgum
3. sunflower
4. pea

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✓ 4

Question Number : 134 Question Id : 1334 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Which one of the following is a protein fiber

1. Nylon
2. Polyester
3. Silk
4. Cotton

Options :

1. ✖ 1
2. ✖ 2
3. ✓ 3
4. ✖ 4

Question Number : 135 Question Id : 1335 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

What are the element present in urea

1. C,H,O
2. C,N,O
3. C,N,H
4. C,O,N,H

Options :

1. ✖ 1
2. ✖ 2
3. ✖ 3
4. ✓ 4

Question Number : 136 Question Id : 1336 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

A radioactive substance has a half life of four months. Three-fourth of the substance would decay in

1. 3 months
2. 4 months
3. 8 months
4. 12 months

Options :

1. ✗ 1
2. ✗ 2
3. ✓ 3
4. ✗ 4

Question Number : 137 Question Id : 1337 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

In an atom the order of filling up of the orbitals is governed by

1. Aufbau principle
2. Heisenberg's uncertainty principle
3. Hund's rule
4. Pauli's exclusion principle

Options :

1. ✓ 1
2. ✗ 2
3. ✗ 3
4. ✗ 4

Question Number : 138 Question Id : 1338 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Scientists of which country have invented a new super powerful electron microscope -super STEM 3 That can examine objects a million times smaller than a human hair?

1. Australia
2. France
3. Britain
4. USA

Options :

1. ✗ 1
2. ✗ 2
3. ✓ 3
4. ✗ 4

Question Number : 139 Question Id : 1339 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Who has been bestowed with the 46 th Dada Saheb Phalke Award for 2014?

1. Rishi kapoor

2. Shashi kapoor

3. Pran

4. Gulzar

Options :

1. ✗ 1

2. ✓ 2

3. ✗ 3

4. ✗ 4

Question Number : 140 Question Id : 1340 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Which film was adjusted as the Best Motion pictures at the 87 th Acedemy awards
(oscars) on February 22 ,2015?

1.The theory of everything

2.The Grand- budapest Hotel

3.Birdman

4.still Alice

Options :

1. ✗ 1

2. ✗ 2

3. ✓ 3

4. ✗ 4

Question Number : 141 Question Id : 1341 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

A + B means A is the father of B. A X B means A is the son of B, A − B means A is the wife of B.

If Z X T − S + U, then how is Z related to U?

1)   Brother   2) Cousin   3) Sister   4) Uncle

Options :

1. ✓ 1)

2. ✗ 2)

3. ✗ 3)

4. ✗ 4)

Question Number : 142 Question Id : 1342 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

The first two numbers on the left of the sign '::' are related in a certain way. The same relationship holds for the second pair of numbers on the right side of the sign '::' of which one is missing. Find the missing one from the alternatives.

81 : 8 :: 49 : ?

1)　　　5　　　　　　2) 6　　　　　3) 7　　　　4) 9

Options :
1. ⌖ 1)
2. ✓ 2)
3. ⌖ 3)
4. ⌖ 4)

Question Number : 143　Question Id : 1343　Question Type : MCQ　Option Shuffling : No
Correct : 1.0　Wrong : 0.33

'Nurse' is related to 'Hospital' in the same way as 'Farmer' is related to:

1)　　　Village　　　2) Grains　　　3) Cultivation　　　4) Field

Options :
1. ⌖ 1)
2. ⌖ 2)
3. ⌖ 3)
4. ✓ 4)

Question Number : 144　Question Id : 1344　Question Type : MCQ　Option Shuffling : No
Correct : 1.0　Wrong : 0.33

A team of five is to be selected from four boys A, B, C and D, and four girls E, F, G and H.

(i)　　　B and F cannot be put together.

(ii)　　　C and H must go together.

(iii)　　　G and A cannot be put together.

(iv)　　　D and C cannot go together.

If 3 boys and 2 girls are to be selected, the team would consist of:

1)　　　CBAHD　　　2) GCAHD　　　3) CEBAH　　　4) GDBEA

Options :
1. ⌖ 1)
2. ⌖ 2)
3. ✓ 3)
4. ⌖ 4)

Question Number : 145 Question Id : 1345 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

Arrange the following words in a meaningful logical sequence and choose the appropriate number sequence from the alternatives.

1. Placement   2. Application   3. Income   4. Education   5. Salary   6. Interview

1)   3, 4, 2, 6, 1, 5

2)   4, 2, 6, 1, 5, 3

3)   3, 5, 1, 2, 4, 6

4)   4, 2, 5, 6, 1, 3

Options :
1. ✖ 1)
2. ✔ 2)
3. ✖ 3)
4. ✖ 4)

Question Number : 146 Question Id : 1346 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

One term in the following number series is wrong. Find out the wrong term.

1440, 240, 50, 12, 4, 2

1)   4   2) 240   3) 12   4) 50

Options :
1. ✖ 1)
2. ✖ 2)
3. ✖ 3)
4. ✔ 4)

Question Number : 147 Question Id : 1347 Question Type : MCQ Option Shuffling : No
Correct : 1.0 Wrong : 0.33

If BAD = 14 and FIG = 44, then HIS will be equal to:

1)   72   2) 68   3) 66   4) 58

Options :
1. ✔ 1)
2. ✖ 2)
3. ✖ 3)
4. ✖ 4)

If 'DEMOCRACY' is coded as 'MEDRCOYCA', then 'ADVENTURE' would be coded as:

1)   DAVNETURE   2) VDAENTERU   3) VDATNEERU   4) VDATNERUE

Options :

1. ✕ 1)
2. ✕ 2)
3. ✓ 3)
4. ✕ 4)

Question Number : 149 Question Id : 1349 Question Type : MCQ Option Shuffling : No

A boy walked 2 km towards West and turned left and walked 3 km. Then he took a right turn and walked 4 km. Finally he took a left turn and walked 5 km. How far is he from the starting point?

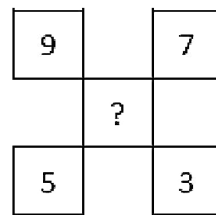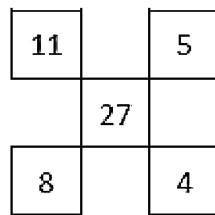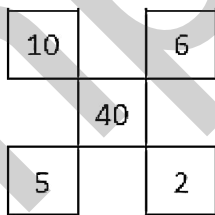1)   10 km   2) 14 km   3) 12 km   4) 9 km

Options :

1. ✓ 1)
2. ✕ 2)
3. ✕ 3)
4. ✕ 4)

Question Number : 150 Question Id : 1350 Question Type : MCQ Option Shuffling : No

The numbers in the following figures follow a pattern. Which number would replace the question mark?

10	6		11	5		9	7
40			27			?	
5	2		8	4		5	3

1)   36   2) 40   3) 45   4) 55

Options :

1. ✕ 1)
2. ✓ 2)
3. ✕ 3)
4. ✕ 4)