



# 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 30th Aug Shift 3 Actual  
**Subject Name:** Junior Engineer  
**Creation Date:** 2015-08-18 12:38:41.0  
**Cut Off:** 0  
**Duration:** 120  
**Number of Questions:** 150  
**Total Marks:** 150.0

## Junior Engineer

Group Number : 1  
Group Id : 13  
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 : 13  
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: 13  
Question Shuffling Allowed : Yes

**Question Number : 1 Question Id : 2251 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33**

A closed system receives 60 KJ heat but its internal energy decreases by 30 KJ. Then the work done by the system is

- a. 90 KJ
- b. 30 KJ
- c. -30 KJ
- d. -90 KJ

Options :

- 1.  a
- 2.  b
- 3.  c
- 4.  d





Question Number : 2 Question Id : 2252 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

At critical point, the enthalpy of vaporization is

- a. Dependent on temperature only
- b. Maximum
- c. Minimum
- d. Zero

Options :

- 1.  a
- 2.  b
- 3.  c
- 4.  d

Question Number : 3 Question Id : 2253 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Which thermodynamics law predicts correctly, the degree of completion of chemical reaction?

- a. Zeroth law
- b. First law
- c. Second law
- d. Third law

Options :

1.  a
2.  b
3.  c
4.  d

Question Number : 4 Question Id : 2254 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Intensity of radiation at a surface in perpendicular direction is equal to

- a. Product of emissivity of surface and  $1/\pi$
- b. Product of emissivity of surface and  $\pi$
- c. Product of emissive power of surface and  $1/\pi$
- d. Product of emissive power of surface and  $\pi$

Options :

1.  a
2.  b
3.  c
4.  d

For the above question, User had specified 'ignore' during keys upload.

Question Number : 5 Question Id : 2255 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

If the temperature of a solid surface changes from  $27^{\circ}\text{C}$  to  $627^{\circ}\text{C}$ , then its emissive power changes in which ratio?

- a. 6 : 1
- b. 9 : 1
- c. 27 : 1
- d. 81 : 1

Options :

1.  a
2.  b
3.  c





4.  d

Question Number : 6 Question Id : 2256 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

The purpose of employing supercharging for an engine is

- a. To provide forced cooling air
- b. To raise exhaust pressure
- c. To inject excess fuel for coping with higher load
- d. To supply an intake of air at a density greater than the density of the surrounding atmosphere

Options :





- 1.  a
- 2.  b
- 3.  c
- 4.  d

Question Number : 7 Question Id : 2257 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

In a petrol engine, the tendency for detonation increases with

- a. Retarded spark timing
- b. Running the engine at high speed
- c. Supercharging
- d. Increasing the cooling rate

Options :





- 1.  a
- 2.  b
- 3.  c
- 4.  d

Question Number : 8 Question Id : 2258 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

Small amount of carbonaceous material sprinkled on the inner surface of mould cavity is called

- a. Backing sand
- b. Facing sand
- c. Green sand
- d. Dry sand

Options :

- 1.  a
- 2.  b
- 3.  c
- 4.  d





Question Number : 9 Question Id : 2259 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

What does hydrostatic pressure in extrusion process improve?

- a. Ductility
- b. Compressive strength
- c. Brittleness
- d. Tensile strength

Options :

- 1.  a
- 2.  b
- 3.  c
- 4.  d





Question Number : 10 Question Id : 2260 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Which one of the following processes is the wire drawing process?

- a. Compressive
- b. Tensile
- c. Shear
- d. Hydrostatic stress

Options :





1.  a
2.  b
3.  c
4.  d

Question Number : 11 Question Id : 2261 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

For cutting of brass with single point cutting tool on a lathe, tool should have

- a. Negative rake angle
- b. Positive rake angle
- c. Zero rake angle
- d. Zero side relief angle

Options :





1.  a
2.  b
3.  c
4.  d

Question Number : 12 Question Id : 2262 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

The marking on a grinding wheel is ' 51 A 36 L 5 V 93'. The code '36' represents the

- a. Structure
- b. Grade
- c. Grain size
- d. Manufacture's number

Options :

1.  a
2.  b
3.  c
4.  d

Question Number : 13 Question Id : 2263 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

For gas welding, the pressure desired at the welding torch for oxygen is

- a. 7 to 103 kN/m<sup>2</sup>
- b. 70 to 280 kN/m<sup>2</sup>
- c. 280 to 560 kN/m<sup>2</sup>
- d. 560 to 840 kN/m<sup>2</sup>

Options :



Question Number : 14 Question Id : 2264 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

In straight polarity welding

- a. Electrode holder is connected to the negative and work to positive
- b. Electrode holder is connected to the positive and work to negative
- c. Work is positive and holder is earthed
- d. Holder is positive and work is earthed

Options :



Question Number : 15 Question Id : 2265 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

At the instant of starting, the per unit slip of 3-phase induction motor is

- a. 0.05
- b. 0.1
- c. 1.0
- d. 0.5

Options :

1.  a

2.  b

3.  c

4.  d

Question Number : 16 Question Id : 2266 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

Usually, the number of poles in a turbo alternator is

- a. 2
- b. 4
- c. 6
- d. 8

Options :

1.  a

2.  b

3.  c

4.  d

Question Number : 17 Question Id : 2267 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

Torque developed by 3 phase induction motor varies with supply voltage as

- a.  $V$
- b.  $1/V$
- c.  $V^2$
- d.  $\sqrt{V}$

Options :

1.  a

2.  b

3.  c

4.  d

Question Number : 18 Question Id : 2268 Question Type : MCQ Option Shuffling : No



Correct : 1.0 Wrong : 0.33

Field coils of DC generator are usually made up of

- a. mica
- b. copper
- c. cast iron
- d. carbon

Options :



Question Number : 19 Question Id : 2269 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Power transformers are designed to have maximum efficiency around

- a. no load
- b. full load
- c. 25 % of full load
- d. 50 % of full load

Options :



Question Number : 20 Question Id : 2270 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

No iron losses means..... are zero

- a. only hysteresis losses
- b. only copper losses
- c. hysteresis and eddy current losses
- d. eddy current and copper losses

Options :

1.  a

2.  b

3.  c

4.  d

Question Number : 21 Question Id : 2271 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Number of primary turns of a transformer is 1200. If transformation ratio is  $1/15$ , number of secondary turns is

a. 2200

b. 80

c. 440

d. 1800

Options :

1.  a

2.  b

3.  c

4.  d

Question Number : 22 Question Id : 2272 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Heating effect in a heating coil is directly proportional to

a.  $I$

b.  $I^2$

c.  $R^2$

d.  $\sqrt{R}$

Options :

1.  a

2.  b

3.  c

4.  d

Question Number : 23 Question Id : 2273 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

Which of the following is not a type of turbine

- a. Momentum turbine
- b. Propeller turbine
- c. Impulse turbine
- d. Reaction turbine

Options :



Question Number : 24 Question Id : 2274 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

Resistance of a conductor is NOT directly proportional to

- a. Temperature
- b. Resistivity
- c. Length
- d. Area of cross section

Options :







Question Number : 25 Question Id : 2275 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

Distributive Law states

- a.  $A.B = B.A$
- b.  $A.(B.C) = (A.B).C$
- c.  $A+(B+C) = (A+B)+C$
- d.  $A.(B+C) = A.B + A.C$

Options :





1.  a
2.  b
3.  c
4.  d

Question Number : 26 Question Id : 2276 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

A gate whose inputs are inverted is termed as

- a. Drop Gate
- b. Bubbled Gate
- c. Converter Gate
- d. Destructor Gate

Options :





1.  a
2.  b
3.  c
4.  d

Question Number : 27 Question Id : 2277 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

The OR gate performs

- a. Logical Addition
- b. Logical Subtraction
- c. Logical Multiplication
- d. Logical Inversion

Options :

1.  a
2.  b
3.  c
4.  d

Question Number : 28 Question Id : 2278 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Decimal number 1375 in its octal form is

- a. 2357
- b. 2537
- c. 3257
- d. 4257

Options :



Question Number : 29 Question Id : 2279 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Large Signal Amplifier is also known as

- a. Voltage Amplifier
- b. Power Amplifier
- c. Current Amplifier
- d. Circuit Amplifier

Options :







Question Number : 30 Question Id : 2280 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

A filter circuit that consists of a second choke connected to output side in order to improve filtering action is known as

- a. T-type filter circuit
- b.  $\pi$  type filter circuit
- c. R-L filter circuit
- d. Inverted L-type filter circuit

Options :

- 1.  a
- 2.  b
- 3.  c
- 4.  d





Question Number : 31 Question Id : 2281 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

For a full wave rectifier, ripple factor is

- a. 1.482
- b. 0.482
- c. 1.21
- d. 0.21

Options :

- 1.  a
- 2.  b
- 3.  c
- 4.  d

Question Number : 32 Question Id : 2282 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

The process of applying DC voltages across different terminals of a transistor is called

- a. Open-Circuiting
- b. Biasing
- c. Combination
- d. Unbiasing

Options :

1.  a

2.  b

3.  c

4.  d

Question Number : 33 Question Id : 2283 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

LED's in reverse bias condition emit

- a. Brighter Light
- b. Dimmer Light
- c. Same as in forward biasing
- d. No Light

Options :

1.  a

2.  b

3.  c

4.  d

Question Number : 34 Question Id : 2284 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

The movement of electrons which is caused by application of electric field is

- a. Drift current
- b. Diffusion current
- c. Conventional current
- d. Non-conventional current

Options :

1.  a

2.  b

3.  c

4.  d





Question Number : 35 Question Id : 2285 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

The intensity of pressure developed by surface tension of 0.075 N/m in a droplet of water of 0.075 mm diameter is

- a. 0.8 N/cm<sup>2</sup>
- b. 0.6 N/cm<sup>2</sup>
- c. 0.4 N/cm<sup>2</sup>
- d. 400 N/cm<sup>2</sup>

Options :

- 1.  a
- 2.  b
- 3.  c
- 4.  d





Question Number : 36 Question Id : 2286 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

The point at which the resultant pressure on an immersed surface acts, is known as

- a. Centre of gravity
- b. Centre of depth
- c. Centre of pressure
- d. Centre of immersed surface

Options :

- 1.  a
- 2.  b
- 3.  c
- 4.  d

Question Number : 37 Question Id : 2287 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

In a CPM network the activity is non critical if

- a.  $EST=LST$  &  $EFT=LFT$
- b.  $EST<LST$  &  $EFT<LFT$
- c.  $EST>LST$  &  $EFT>LFT$
- d.  $EST<LST$  &  $EFT>LFT$

Options :



1.  a

2.  b

3.  c

4.  d

Question Number : 38 Question Id : 2288 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Which one of the following parameters can be used to estimate the angle of friction of a sandy soil

- a. Particle size
- b. Roughness of particle
- c. Density Index
- d. Particle size distribution

Options :

1.  a

2.  b

3.  c

4.  d

Question Number : 39 Question Id : 2289 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

In order to determine the natural features such as valleys, rivers, lakes etc. the surveying preferred is

- a. City surveying
- b. Location surveying
- c. Cadastral surveying
- d. Topographical surveying

Options :

1.  a

2.  b

3.  c

4.  d

Question Number : 40 Question Id : 2290 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

In an optical square, the angle between the first incident ray and the last reflected ray is

- a.  $60^\circ$
- b.  $90^\circ$
- c.  $120^\circ$
- d.  $150^\circ$

Options :

1.  a

2.  b

3.  c

4.  d

Question Number : 41 Question Id : 2291 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

The coefficient of earth pressure at rest is given by ; where  $\mu =$  Poisson's ratio

- a.  $\mu / (1 + \mu)$
- b.  $(1 + \mu) / \mu$
- c.  $\mu / (1 - \mu)$
- d.  $(1 - \mu) / \mu$

Options :

1.  a

2.  b

3.  c

4.  d





Question Number : 42 Question Id : 2292 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

If  $p$  is the pitch of the rivets and  $d$  is the gross diameter of rivets, the tearing efficiency of joints is equal to

- a.  $p/(p-d)$
- b.  $p/(p+d)$
- c.  $(p-d)/p$
- d.  $(p+d)/p$

Options :

- 1.  a
- 2.  b
- 3.  c
- 4.  d





Question Number : 43 Question Id : 2293 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

The ultimate strength of the steel used for pre-stressing is nearly

- a.  $250 \text{ N/mm}^2$
- b.  $415 \text{ N/mm}^2$
- c.  $500 \text{ N/mm}^2$
- d.  $1500 \text{ N/mm}^2$

Options :

- 1.  a
- 2.  b
- 3.  c
- 4.  d





Question Number : 44 Question Id : 2294 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

For rivet diameter upto 24 mm, the diameter of rivet hole is larger than the diameter of rivet by

- a. 1 mm
- b. 1.5 mm
- c. 2 mm
- d. 2.5 mm

Options :





1.  a
2.  b
3.  c
4.  d

Question Number : 45 Question Id : 2295 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

The percentage of gypsum added to the clinker during manufacturing process is

- a. 0.2
- b. 0.25 to 0.35
- c. 2.5 to 3.5
- d. 5 to 10

Options :





1.  a
2.  b
3.  c
4.  d

Question Number : 46 Question Id : 2296 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

Which of the following is softwood?

- a. Deodar
- b. Teak
- c. Sal
- d. Mahogany

Options :

1.  a
2.  b
3.  c
4.  d

Question Number : 47 Question Id : 2297 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Which of the following controls the speed of energy meter?

- a. Braking magnet
- b. Series magnet
- c. Shunt magnet
- d. Shading band

Options :



Question Number : 48 Question Id : 2298 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Which one can be called ammeter and voltmeter?

- a. A high resistance in series with the voltmeter
- b. A low resistance across the terminals of voltmeter
- c. A low resistance in series with the voltmeter
- d. A high resistance across the terminals of the voltmeter

Options :







Question Number : 49 Question Id : 2299 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Resistance can be measured with

- a. Ammeter
- b. Voltmeter
- c. Ohm-meter and resistance bridges
- d. Wattmeter

Options :





- 1.  a
- 2.  b
- 3.  c
- 4.  d

Question Number : 50 Question Id : 2300 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

Potentiometer is what type of instrument?

- a. Indicating type
- b. Calibrating type
- c. Recording type
- d. Comparison type

Options :





- 1.  a
- 2.  b
- 3.  c
- 4.  d

Question Number : 51 Question Id : 2301 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

A digital frequency counter can be converted to Digital Volt Meter by addition of which one?

- a. D/A converter
- b. voltage controlled oscillator
- c. operational amplifier
- d. power amplifier

Options :

- 1.  a
- 2.  b
- 3.  c
- 4.  d

Question Number : 52 Question Id : 2302 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

The prescribed per seat water demand for restaurant is

- a. 100 litres per day
- b. 70 litres per day
- c. 180 litres per day
- d. 45 – 90 litres per day

Options :



Question Number : 53 Question Id : 2303 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

When fluoride concentration exceeded from 2 mg/l, it may cause

- a. bone fluorosis
- b. skeletal abnormalities
- c. discoloration of teeth
- d. skin disease

Options :



Question Number : 54 Question Id : 2304 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

The hardness that is equivalent to alkalinity is known as

- a. total hardness
- b. carbonate hardness
- c. non carbonate hardness
- d. pseudo hardness

Options :



Question Number : 55 Question Id : 2305 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

In case of air pollution, the most affected part of vegetation is

- a. stems of vegetation
- b. roots of vegetation
- c. leaves of vegetation
- d. fruits of vegetation

Options :







Question Number : 56 Question Id : 2306 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

The cut off frequencies of 707 HZ and 1414 HZ define an octave band, whose band centre frequency is

- a. 1050 HZ and would be referred to as the 1050 HZ octave band annoyance
- b. 1000 HZ and would be referred to as the 1000 HZ octave band
- c. 1060.5 HZ and would be referred to as the 1060.5 HZ octave band
- d. 900 HZ and would be referred to as the 900 HZ octave band



Options :

- 1.  a
- 2.  b
- 3.  c
- 4.  d





Question Number : 57 Question Id : 2307 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

In natural rainwater, the formation of carbonic acid takes place due to dissolution of  $\text{CO}_2$  in water which causes reduction of pH

- a. 5.6 at  $20^\circ\text{C}$  temperature
- b. 5.6 at  $25^\circ\text{C}$  temperature
- c. 6.5 at  $20^\circ\text{C}$  temperature
- d. 6.6 at  $20^\circ\text{C}$  temperature

Options :

- 1.  a
- 2.  b
- 3.  c
- 4.  d




Question Number : 58 Question Id : 2308 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Digital Versatile Disk (DVD) is a

- a. Random access memory
- b. Sequential access memory
- c. Destructive memory
- d. Virtual memory

Options :

- 1.  a
- 2.  b
- 3.  c

4.  d

Question Number : 59 Question Id : 2309 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

Which of the following is used by banking industry for faster processing of large volume of cheques?

- a. Bar-Code Reader
- b. OCR
- c. MICR
- d. OMR

Options :

1.  a

2.  b

3.  c

4.  d

Question Number : 60 Question Id : 2310 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

EEPROM stands for

- a. Electrically Erasable Programmable ROM
- b. Electronically Erasable Programmable ROM
- c. Electrically Engineered Programmable ROM
- d. Electrically Erasable Persistent ROM

Options :

1.  a

2.  b

3.  c

4.  d

Question Number : 61 Question Id : 2311 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

The primary objective of a time-sharing operating system is to

- a. Avoid thrashing
- b. Provide fast response to each user of the computer
- c. Provide fast execution of processes
- d. Optimize computer memory usage

Options :

- 1.  a
- 2.  b
- 3.  c
- 4.  d

Question Number : 62 Question Id : 2312 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

The hexadecimal representation of the binary number  $(1101010.01)_2$  is

- a.  $(6A.4)_{16}$
- b.  $(6A.1)_{16}$
- c.  $(D2.4)_{16}$
- d.  $(D2.1)_{16}$

Options :

- 1.  a
- 2.  b
- 3.  c
- 4.  d

Question Number : 63 Question Id : 2313 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

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

- a. X
- b. Y
- c.  $X'$
- d.  $Y'$

Options :

- 1.  a

2.  b

3.  c

4.  d

Question Number : 64 Question Id : 2314 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

Which of the following programming languages is mainly popular for business data processing?

- a. C
- b. Pascal
- c. FORTRAN
- d. COBOL

Options :

1.  a

2.  b

3.  c

4.  d

Question Number : 65 Question Id : 2315 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

In cut-paste operation of MS-Word

- a. A text can be cut, and paste exactly once
- b. A text can be cut, and paste multiple times
- c. A text can't be cut if a background color is set
- d. A text can't be cut if its length is more than 128 characters

Options :

1. ✘ a

2. ✔ b

3. ✘ c

4. ✘ d

Question Number : 66 Question Id : 2316 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

Which of the following is a Class-A IP address?

- a. 130.10.10.10
- b. 125.250.250.250
- c. 165.255.255.255
- d. 200.128.128.128

Options :

- 1. ✘ a
- 2. ✔ b
- 3. ✘ c
- 4. ✘ d

Question Number : 67 Question Id : 2317 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

Safari is a

- a. Transport layer protocol
- b. Application layer protocol
- c. Web search engine
- d. Web browser

Options :

- 1. ✘ a
- 2. ✘ b
- 3. ✘ c
- 4. ✔ d

Question Number : 68 Question Id : 2318 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

The projections of an “end point” of a “straight line” lie on XY. The “end point” is situated on:

- a. HP and VP both
- b. VP
- c. HP
- d. Neither HP not VP

Options :

- 1. ✔ a
- 2. ✘ b
- 3. ✘ c
- 4. ✘ d

Question Number : 69 Question Id : 2319 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

The “male” part of a “socket and spigot” joint is:

- a. Cotter
- b. Socket
- c. Spigot
- d. Eye bolt.

Options :

- 1. ✓ a
- 2. ✗ b
- 3. ✗ c
- 4. ✗ d

For the above question, User had specified 'ignore' during keys upload.

Question Number : 70 Question Id : 2320 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

A map showing “network of roads” has to display distances in units of “miles” and “kilometres” both. Which type of the following types of scale is suitable for this purpose?

- a. Plain scale
- b. diagonal scale
- c. Comparative scale
- d. Vernier scale

Options :

- 1. ✗ a
- 2. ✗ b
- 3. ✓ c
- 4. ✗ d

Question Number : 71 Question Id : 2321 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

What is common to: circle, ellipse, parabola, hyperbola?

- a. Sphere
- b. Cone
- c. Prism
- d. Pyramid.

Options :

- 1. ✗ a
- 2. ✓ b
- 3. ✗ c
- 4. ✗ d

Question Number : 72 Question Id : 2322 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Isometric projections are commonly drawn with -----iso-axes:

- a. One
- b. Four
- c. Two
- d. Three

Options :

- 1. ✘ a
- 2. ✘ b
- 3. ✘ c
- 4. ✔ d

Question Number : 73 Question Id : 2323 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

An object A of mass  $m$  moving with velocity  $v$  collides with a second object B of the same mass lying at rest. During the collision, object A transfers its total kinetic energy to object B and comes to rest. After collision, the velocity of object B is

- a.  $v$
- b.  $v/2$
- c.  $2v$
- d. zero.

Options :

- 1. ✔ a
- 2. ✘ b
- 3. ✘ c
- 4. ✘ d

Question Number : 74 Question Id : 2324 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

A particular place is at a height  $h$  above the surface of the earth (radius  $R$ ). The acceleration due to gravity at that place is proportional to

- a.  $(R + h)$
- b.  $(R + h)^{-2}$
- c.  $(R - h)$
- d.  $(R - h)^{-2}$ .

Options :

- 1. ✘ a
- 2. ✔ b
- 3. ✘ c
- 4. ✘ d

Question Number : 75 Question Id : 2325 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

A ball of mass  $m$  is raised to height  $h$  and then dropped to the ground. At what height, kinetic energy of the ball is thrice its potential energy? Neglect air resistance.

- a.  $3h/4$
- b.  $h/2$
- c.  $h/4$
- d. Zero.

Options :

- 1. ✘ a
- 2. ✘ b
- 3. ✔ c
- 4. ✘ d

Question Number : 76 Question Id : 2326 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

In a transverse wave, the particles of the medium move

- a. about their position of rest in a direction parallel to the direction of propagation of disturbance
- b. about their position of rest in a direction perpendicular to the direction of propagation of disturbance
- c. from one place to another in a direction parallel to the direction of propagation of disturbance
- d. from one place to another in a direction perpendicular to the direction of propagation of disturbance.

Options :

- 1. ✘ a
- 2. ✔ b
- 3. ✘ c
- 4. ✘ d

Question Number : 77 Question Id : 2327 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

An object is placed in front of a convex mirror at a distance less than the value of its focal length.

Which of the following best describes the image formed?

- a. real, inverted and magnification greater than one
- b. real, inverted and magnification less than one
- c. virtual, erect and magnification greater than one
- d. virtual, erect and magnification less than one

Options :

- 1. ✘ a
- 2. ✘ b
- 3. ✘ c



4. ✓ d

Question Number : 78 Question Id : 2328 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

A conducting wire has length  $l$  and area of cross-section  $A$ . The resistivity of its material is  $\rho$  and its resistance is  $R$ . It is connected in parallel with another wire of the same dimensions but of a resistivity  $2\rho$ . The net resistance of the combination is

- a.  $R$
- b.  $2R$
- c.  $3R$
- d.  $2R/3$ .

Options :

- 1. ✗ a
- 2. ✗ b
- 3. ✗ c
- 4. ✓ d

Question Number : 79 Question Id : 2329 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

The number of moles of water in 90 grams of water is

- a. 1
- b. 3
- c. 5
- d. 7

Options :

- 1. ✗ a
- 2. ✗ b
- 3. ✓ c
- 4. ✗ d

Question Number : 80 Question Id : 2330 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

The reactions which involve an exchange of ions between the reactants are known as

- a. Combination
- b. Decomposition
- c. Displacement
- d. Double displacement

Options :

- 1. ✗ a
- 2. ✗ b
- 3. ✗ c
- 4. ✓ d

Question Number : 81 Question Id : 2331 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

Which gas is produced when an acid reacts with sodium carbonate?

- a. Hydrogen
- b. Chlorine
- c. Sulphur dioxide
- d. Carbon dioxide

Options :

- 1. ✘ a
- 2. ✘ b
- 3. ✘ c
- 4. ✔ d

Question Number : 82 Question Id : 2332 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

The ability of an element to exhibit different forms having different physical properties but same chemical properties is known as

- a. Allotropy
- b. Sonorousity
- c. Malleability
- d. Conductivity

Options :

- 1. ✔ a
- 2. ✘ b
- 3. ✘ c
- 4. ✘ d

Question Number : 83 Question Id : 2333 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

A molecule of benzene has

- a. 09 single bonds and 03 double bonds
- b. 12 single bonds and 03 double bonds
- c. 09 single bonds and 06 double bonds
- d. 12 single bonds and 06 double bonds

Options :

- 1. ✔ a
- 2. ✘ b
- 3. ✘ c
- 4. ✘ d

Question Number : 84 Question Id : 2334 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

The maximum number of electrons that can be accommodated in M shell of an atom is

- a. 2
- b. 8
- c. 18
- d. 32

Options :

- 1. ✘ a
- 2. ✘ b
- 3. ✔ c
- 4. ✘ d

Question Number : 85 Question Id : 2335 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Which out of the following is not a fossil fuel?

- a. Coal
- b. Light Petroleum Gas
- c. Petrol
- d. Biodiesel

Options :

- 1. ✘ a
- 2. ✘ b
- 3. ✘ c
- 4. ✔ d

Question Number : 86 Question Id : 2336 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Identify the incorrectly written Class of Vertebrates from among the following

- a. Sparrow, Parakeet, Bat, Eagle
- b. Dolphin, Whale, Elephant, Tiger
- c. Crocodile, Lizard, Snake, Tortoise
- d. Frog Newt, Toad, Salamander

Options :

- 1. ✔ a
- 2. ✘ b
- 3. ✘ c
- 4. ✘ d

Question Number : 87 Question Id : 2337 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Nerves are bundles of

- a. Nerve cells
- b. axons of neurons
- c. nuclei of neurons
- d. fibres not connected to nerve cells

Options :

- 1. ✘ a
- 2. ✔ b
- 3. ✘ c
- 4. ✘ d

Question Number : 88 Question Id : 2338 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

A boy broke a branch of a Champa tree and planted it. Soon the branch struck roots and started growing .This is an example of

- a. Micro propagation
- b. Sexual reproduction
- c. Vegetative propagation
- d. Artificial propagation

Options :

- 1. ✘ a
- 2. ✘ b
- 3. ✘ c
- 4. ✔ d

Question Number : 89 Question Id : 2339 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Farmers grow leguminous plants between crops because

- a. they are edible and grow fast
- b. they harbour bacteria in their roots which fix Nitrogen
- c. their short roots absorb much less water
- d. they are easy to grow

Options :

- 1. ✘ a
- 2. ✔ b
- 3. ✘ c
- 4. ✘ d

Question Number : 90 Question Id : 2340 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

What is not true about Chromosomes?

- a. The genes are located on them
- b. Prior to cell division each chromosome is made of two chromatids
- c. They are present inside the nucleus in Eukaryotes
- d. The number of chromosomes differs in different cells of an organism

Options :

- 1. ✘ a
- 2. ✘ b
- 3. ✘ c
- 4. ✔ d

Question Number : 91 Question Id : 2341 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Is it possible to divide 1000 into two parts such that their HCF is 15

- a. Yes, it is possible
- b. No, it is sometimes possible
- c. Yes, it may be possible
- d. Never possible

Options :

- 1. ✘ a
- 2. ✘ b
- 3. ✘ c
- 4. ✔ d

Question Number : 92 Question Id : 2342 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

The LCM of two prime numbers  $x$  and  $y$  ( $x > y$ ) is 161. The value of  $3y - x$  is

- a. -2
- b. -1
- c. 1
- d. 2

Options :

- 1. ✔ a
- 2. ✘ b
- 3. ✘ c
- 4. ✘ d

Question Number : 93 Question Id : 2343 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

The average of 10 numbers is 7. What will be the new average if each of the numbers is multiplied by 8

- a.45
- b.52
- c.56
- d.55

Options :

- 1. ✘ a
- 2. ✘ b
- 3. ✔ c
- 4. ✘ d

Question Number : 94 Question Id : 2344 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

The average of three consecutive numbers is  $n$ . If the next two consecutive numbers are also included, the average of the five numbers will

- a. remains the same
- b. increases by 0.5
- c. increases by 1
- d. increases by 1.5

Options :

- 1. ✘ a
- 2. ✘ b
- 3. ✔ c
- 4. ✘ d

Question Number : 95 Question Id : 2345 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

Divide Rs. 500 among A, B, C and D so that A and B together get thrice as much as C and D together, B gets four times of what C gets and C gets 1.5 times as much as D. Now the value of what B gets is

- a. 300
- b. 75
- c. 125
- d. 150

Options :

- 1. ✔ a
- 2. ✘ b
- 3. ✘ c
- 4. ✘ d

Question Number : 96 Question Id : 2346 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

If Rs. 58 is divided among 150 children such that each girl and each boy gets 25 p and 50 p respectively. Then how many girls are there.

- a. 52
- b. 54
- c. 68
- d. 62

Options :

- 1. ✘ a
- 2. ✘ b
- 3. ✔ c
- 4. ✘ d

Question Number : 97 Question Id : 2347 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Mr. Alok is worried about the balance of his monthly budget. The price of petrol has increased by 40%. By what percent should he reduce the consumption of petrol so that he is able to balance his budget

- a. 33.33
- b. 28.56
- c. 25
- d. 40

Options :

- 1. ✘ a
- 2. ✔ b
- 3. ✘ c
- 4. ✘ d

Question Number : 98 Question Id : 2348 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

A person purchases 8 pens for Rs. 10 and sells 10 pens for Rs. 8. How much profit or loss does he make

- a. 30 % gain
- b. 30 % loss
- c. 36 % gain
- d. 36 % loss

Options :

- 1. ✘ a
- 2. ✘ b

3. ✘ c

4. ✔ d

Question Number : 99 Question Id : 2349 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

A sells a bicycle to B at a profit of 20 % and B sells it to C at a profit of 25 %.If C pays Rs. 1500, what did A pay for it

- a. Rs. 825
- b. Rs. 1000
- c. Rs. 1100
- d. Rs. 1125

Options :

1. ✘ a

2. ✔ b

3. ✘ c

4. ✘ d

Question Number : 100 Question Id : 2350 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

What will be the simple interest of Rs. 700 at 9 % per annum for the period from February 5, 1994 to April 18, 1994

- a. Rs. 12.60
- b. Rs. 11.30
- c. Rs. 15
- d. Rs. 13

Options :

1. ✔ a

2. ✘ b

3. ✘ c

4. ✘ d

Question Number : 101 Question Id : 2351 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

What will be difference between simple interest and compound interest @ 10 % per annum on a sum of Rs. 1000 after 4 years

- a. Rs. 31
- b. Rs. 32.10
- c. Rs. 40.40
- d. Rs. 64.10

Options :

1. ✘ a

2. ✘ b



3. ✘ c

4. ✔ d

Question Number : 102 Question Id : 2352 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

The minute hand of a big wall-clock is 35 cm long. Taking  $\pi = 22/7$ , length of the arc, its extremity moves in 18 seconds is

- a. 11 cm
- b. 1.1 cm
- c. 6.6 cm
- d. 6 cm

Options :

1. ✘ a

2. ✔ b

3. ✘ c

4. ✘ d

Question Number : 103 Question Id : 2353 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Two vessels A and B contains spirit and water mixed in the ratio 5:2 and 7:6 respectively. Find the ratio in which these mixture be mixed to obtain a new mixture in vessel C containing spirit and water in the ratio 8:5

- a. 4:3
- b. 3:4
- c. 5:6
- d. 7:9

Options :

1. ✘ a

2. ✘ b

3. ✘ c

4. ✔ d

Question Number : 104 Question Id : 2354 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

A merchant has 1000 kg of rice, part of which he sells at 8% profit and the rest at 16 % profit. He gains 14 % on the whole. The quantity sold at 16 % profit is

- a. 500 kg
- b. 650 kg
- c. 750 kg
- d. 800 kg

Options :

1. ✘ a

2. ✘ b

3. ✓ c

4. ✗ d

Question Number : 105 Question Id : 2355 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

If  $(x+1)$  and  $(x-2)$  be the factors of  $x^3 + (a+1)x^2 - (b-2)x - 6$ , then the value of a and b will be

- a. 2 and 8
- b. 1 and 7
- c. 5 and 3
- d. 3 and 7

Options :

1. ✗ a

2. ✓ b

3. ✗ c

4. ✗ d

Question Number : 106 Question Id : 2356 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

If  $f(x) = 4x^3 - 2x^2 + 5x - 8$  is divided by  $x-2$ , what will be the remainder

- a. 25
- b. 42
- c. 16
- d. 26

Options :

1. ✗ a

2. ✗ b

3. ✗ c

4. ✓ d

Question Number : 107 Question Id : 2357 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

A tower is 30m high. An observer from the top of the tower makes an angle of depression  $60^\circ$  at the base of the building and angle of depression of  $45^\circ$  at the top of the building, what is the height of the building (in metres)

- a. 18
- b. 15.68
- c.  $10\sqrt{3}$
- d. 12.68

Options :

1. ✗ a

2. ✗ b

3. ✘ c

4. ✔ d

Question Number : 108 Question Id : 2358 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Find the sum of an AP of 40 terms whose first and last terms are 80 and 275

a. 8400

b. 7200

c. 7100

d. 4800

Options :

1. ✘ a

2. ✘ b

3. ✔ c

4. ✘ d

Question Number : 109 Question Id : 2359 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

The common ratio of a GP is  $-\frac{4}{5}$  and the sum to infinity is  $\frac{80}{9}$ . Find the first term.

a. 14

b. 16

c. 18

d. 10

Options :

1. ✘ a

2. ✔ b

3. ✘ c

4. ✘ d

Question Number : 110 Question Id : 2360 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

4 men and 3 women finish a job in 6 days. And 5 men and 7 women can do the same job in 4 days. How long will 1 man and 1 women take to do the work.

a.  $22\frac{2}{7}$  days

b.  $25\frac{1}{2}$  days

c.  $5\frac{1}{7}$  days

d.  $12\frac{7}{22}$  days

Options :

1. ✔ a

2. ✘ b

3. ✘ c

4. ✘ d

Question Number : 111 Question Id : 2361 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

A can do a work in 15 days and B in 20 days. If they work on it together for 4 days, then the fraction of the work that is left is

- a.  $\frac{1}{4}$
- b.  $\frac{1}{10}$
- c.  $\frac{7}{15}$
- d.  $\frac{8}{15}$

Options :

- 1. ✘ a
- 2. ✘ b
- 3. ✘ c
- 4. ✔ d

Question Number : 112 Question Id : 2362 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Two trains, Kolkata Mail and Patna Mail, start at the same time from stations Kolkata and Patna respectively towards each other. After passing each other, they take 12 hours and 3 hours to reach Patna and Kolkata respectively. If the Kolkata Mail is moving at the speed of 48 km/h, the speed of the Patna Mail is

- a. 24 km/h
- b. 22 km/h
- c. 21 km/h
- d. 96 km/h

Options :

- 1. ✘ a
- 2. ✘ b
- 3. ✘ c
- 4. ✔ d

Question Number : 113 Question Id : 2363 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Abhishek is travelling on his cycle and has calculated to reach point A at 2 pm if he travels at 10 km/h; he will reach there at 12 noon if he travels at 15 km/h. At what speed must he travel to reach A at 1 pm

- a. 8 km/h
- b. 11 km/h
- c. 12 km/h
- d. 14 km/h

Options :

- 1. ✘ a
- 2. ✘ b
- 3. ✔ c

4. ✘ d

Question Number : 114 Question Id : 2364 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

A motorcycle travels 20 km an hour faster than a cycle over a journey of 600 km. The cycle takes 50 hours more than the motorcycle. Find their speed (in km/h)

- a. 40, 60
- b. 20, 60
- c. 20, 40
- d. 45, 100

Options :

1. ✘ a

2. ✘ b

3. ✔ c

4. ✘ d

Question Number : 115 Question Id : 2365 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

If  $x = a(b-c)$ ,  $y = b(c-a)$  and  $z = c(a-b)$ , then  $(x/a)^3 + (y/b)^3 + (z/c)^3$

- a.  $3xyz/abc$
- b.  $xyz/abc$
- c.  $3xyzabc$
- d. 3

Options :

1. ✔ a

2. ✘ b

3. ✘ c

4. ✘ d

Question Number : 116 Question Id : 2366 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Consider the following foreign visitors to India:

1. Alberuni 2. Fahein 3. Hieun Tsang 4. Megasthenese

The correct chronological order in which these persons visited India is

- a. 4-3-1-2
- b. 2-4-3-1
- c. 4-2-3-1
- d. 1-2-4-3

Options :

1. ✘ a

2. ✘ b

3. ✔ c

4. ✘ d

Question Number : 117 Question Id : 2367 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Who was the last ruler of Tuglaq dynasty of the Delhi Sultanate?

- a. Firoz Shah Tuglaq
- b. Giasuddin Tuglaq II
- c. Mahmud Shah Tuglaq
- d. Nasrat Shah

Options :

1. ✘ a

2. ✘ b

3. ✔ c

4. ✘ d

Question Number : 118 Question Id : 2368 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Which of the following pairs is not correctly matched?

- a. Poorna Swaraj Resolution:1929
- b. Martyrdom of Sardar Bhagat Singh:1931
- c. Formation of Congress Socialist Party:1938
- d. Shimla Conference:1945

Options :

1. ✘ a

2. ✘ b

3. ✔ c

4. ✘ d

Question Number : 119 Question Id : 2369 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(Towns)**

- A. Jabalpur
- B. Paris
- C. London
- D. Lahore

**List 2(Rivers)**

- 1. Ravi
- 2. Narmada
- 3. Siene
- 4. Thames

- |    |     |      |      |      |
|----|-----|------|------|------|
| a. | A-2 | B- 3 | C- 4 | D-1  |
| b. | A-3 | B- 2 | C- 1 | D- 4 |
| c. | A-1 | B-4  | C-3  | D- 2 |
| d. | A-4 | B-1  | C-2  | D-3  |

Options :

- 1. ✓ a
- 2. ✗ b
- 3. ✗ c
- 4. ✗ d

Question Number : 120 Question Id : 2370 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Which one of the following sequence correctly represents the percentage of given salt in sea water in decreasing order

- a. Magnesium Chloride-Sodium Chloride-Magnesium Sulphate-Calcium Sulphate
- b. Magnesium Sulphate-Magnesium Chloride-Calcium Sulphate-Sodium Chloride
- c. Sodium Chloride-Magnesium Chloride-Magnesium Sulphate-Calcium Sulphate
- d. Sodium chloride-Magnesium Sulphate-Magnesium Chloride-Calcium Sulphate

Options :

- 1. ✗ a
- 2. ✗ b
- 3. ✓ c
- 4. ✗ d

Question Number : 121 Question Id : 2371 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

The large states of India in order of area are

- a. Rajasthan, Madhya Pradesh, Maharashtra
- b. Madhya Pradesh, Rajasthan, Maharashtra
- c. Maharashtra, Rajasthan, Madhya Pradesh
- d. Madhya Pradesh, Maharashtra, Rajasthan

Options :

- 1. ✓ a
- 2. ✗ b
- 3. ✗ c
- 4. ✗ d

Question Number : 122 Question Id : 2372 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

The best and poorest conductor of heat are respectively

- a. silver and lead
- b. copper and aluminium
- c. silver and gold
- d. copper and gold

Options :

- 1. ✓ a
- 2. ✗ b
- 3. ✗ c
- 4. ✗ d

Question Number : 123 Question Id : 2373 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

An athlete diving off a high spring board can perform a variety of exercises in the air before entering the water below. Which of the following parameter of the athlete will remain constant during the fall

- a. The athlete's linear momentum
- b. The athlete's moment of inertia
- c. The athlete's kinetic energy
- d. The athlete's angular momentum

Options :

- 1. ✗ a
- 2. ✗ b
- 3. ✗ c
- 4. ✓ d

Question Number : 124 Question Id : 2374 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33



The ratio of transverse deformation to longitudinal deformation is called

- a. Poisson Ratio
- b. Bulk modulus
- c. Young's modulus
- d. Modulus of rigidity

Options :

- 1. ✓ a
- 2. ✗ b
- 3. ✗ c
- 4. ✗ d

Question Number : 125 Question Id : 2375 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

If the finance minister fails to get the Annual Budget passed in the Lok Sabha , the Prime Minister is expected to

- a. Compel the Finance Minister to resign
- b. Submit the resignation of his /her cabinet
- c. Refer it to the joint session of both the Houses of Parliament
- d. Form another cabinet with different members

Options :

- 1. ✗ a
- 2. ✓ b
- 3. ✗ c
- 4. ✗ d

Question Number : 126 Question Id : 2376 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

The right to property was removed from the list of fundamental Rights enlisted in the constitution of the India through which one of the Following Amendments?

- a. 42nd Amendment
- b. 44 th Amendment
- c. 46 th Amendment
- d. 47 th Amendment

Options :

- 1. ✗ a
- 2. ✓ b
- 3. ✗ c
- 4. ✗ d

Question Number : 127 Question Id : 2377 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

When was the concept of the Human Development Index (HDI) introduced by the United Nations Development Programme?

- a. 1990
- b. 1991
- c. 1993
- d. 1995

Options :

- 1. ✓ a
- 2. ✗ b
- 3. ✗ c
- 4. ✗ d

Question Number : 128 Question Id : 2378 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Tarapore Committee was associated with which one of the following

- a. Special Economic Zone
- b. Fully capital Account Convertibility
- c. Effect of oil-price on the Indian Economy
- d. Foreign Exchange Reserve

Options :

- 1. ✗ a
- 2. ✓ b
- 3. ✗ c
- 4. ✗ d

Question Number : 129 Question Id : 2379 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

MODVAT is related to

- a. Sales Tax
- b. Wealth Tax
- c. Income Tax
- d. Excise Duty

Options :

- 1. ✗ a
- 2. ✗ b
- 3. ✗ c
- 4. ✓ d

Question Number : 130 Question Id : 2380 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

The term "bogey" is associated with

- a. Tennis
- b. Golf
- c. Baseball
- d. Chess

Options :

- 1. ✘ a
- 2. ✔ b
- 3. ✘ c
- 4. ✘ d

Question Number : 131 Question Id : 2381 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

The ancient Olympic continued till about

- a. Robert Dover
- b. Pierre de Coubertin
- c. Theodosius I
- d. Ernest Curtis

Options :

- 1. ✘ a
- 2. ✘ b
- 3. ✔ c
- 4. ✘ d

Question Number : 132 Question Id : 2382 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

Red blood corpuscles is produced into

- a. Spleen
- b. Kidney
- c. Liver
- d. Bone marrow

Options :

- 1. ✘ a
- 2. ✘ b
- 3. ✘ c
- 4. ✔ d

Question Number : 133 Question Id : 2383 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

Which of the following parts of human brain is the regulating centre for swallowing and vomiting

- a. Cerebellum
- b. Cerebrum
- c. Medulla oblongata
- d. Pones

Options :

- 1. ✘ a
- 2. ✘ b
- 3. ✔ c
- 4. ✘ d

Question Number : 134 Question Id : 2384 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Match List-I (Diseases) with List-II (Types of diseases) and select the correct answer using codes

**List-I**

- A. Haemophilia
- B. Diabetes
- C. Rickets
- D. Ringworm

**List-II**

- 1. Deficiency disease
- 2. Genetic disease
- 3. Hormonal disorder
- 4. Fungal infection

- |    |      |      |     |      |
|----|------|------|-----|------|
| a. | A- 2 | B-3  | C-4 | D- 1 |
| b. | A-2  | B- 3 | C-1 | D-4  |
| c. | A-3  | B- 2 | C-1 | D- 4 |
| d. | A-3  | B-2  | C-4 | D-1  |

Options :

- 1. ✘ a
- 2. ✔ b
- 3. ✘ c
- 4. ✘ d

Question Number : 135 Question Id : 2385 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Which of the following gases will have the highest rate of diffusion

- a. O<sub>2</sub>
- b. CO<sub>2</sub>
- c. NH<sub>3</sub>
- d. N<sub>2</sub>

Options :

- ✘ a
- ✘ b
- ✔ c
- ✘ d

Question Number : 136 Question Id : 2386 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

Which one of the following is not a strong electrolyte

- NaCl
- KNO<sub>3</sub>
- NH<sub>4</sub>OH
- FeSO<sub>4</sub>

Options :

- ✘ a
- ✘ b
- ✔ c
- ✘ d

Question Number : 137 Question Id : 2387 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

Which of the following is not a colloid

- Chlorophyll
- Smoke
- Ruby glass
- Milk

Options :

- ✔ a
- ✘ b
- ✘ c
- ✘ d

Question Number : 138 Question Id : 2388 Question Type : MCQ Option Shuffling : No  
Correct : 1.0 Wrong : 0.33

The government has approved setting up of how many ITBP outposts along the china border in Arunachala Pradesh and Sikkim?

- 30
- 35
- 42
- 45

Options :

- ✘ a
- ✘ b

3. ✓ c

4. ✗ d

Question Number : 139 Question Id : 2389 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Mark Rutte ,who visited in India in June 2015 ,is prime minister of

- a. Sweden
- b. Norway
- c. Netherlands
- d. Belarus

Options :

1. ✗ a

2. ✗ b

3. ✓ c

4. ✗ d

Question Number : 140 Question Id : 2390 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Union Cabinet on June 17 , 2015 approved housing for all scheme by

- a. 2025
- b. 2022
- c. 2018
- d. 2030

Options :

1. ✗ a

2. ✓ b

3. ✗ c

4. ✗ d

Question Number : 141 Question Id : 2391 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Pointing to a photograph, a man said, “Her brother’s father is the only son of my grandfather.” How is the person in the photograph related to the man?

- a. Brother
- b. Aunt
- c. Mother
- d. Sister

Options :

1. ✗ a

2. ✗ b

3. ✗ c

4. ✓ d

Question Number : 142 Question Id : 2392 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Three of the four number-pairs in the alternatives have numbers which hold the same relationship as the numbers in the number-pair given below. Find out the number-pair in which the two numbers do not hold the same relationship as the two numbers in the number-pair below.

12 : 72

- a. 8 : 32
- b. 10 : 50
- c. 4 : 12
- d. 6 : 18

Options :

- 1. ✘ a
- 2. ✘ b
- 3. ✔ c
- 4. ✘ d

Question Number : 143 Question Id : 2393 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

'Length' is related to 'Metre' the same way as 'Volume' is related to:

- a. Quantity
- b. Litre
- c. Kilogram
- d. Mass

Options :

- 1. ✘ a
- 2. ✔ b
- 3. ✘ c
- 4. ✘ d

Question Number : 144 Question Id : 2394 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

Six plays A, B, C, D, E and F are staged one on each day from Monday to Saturday. B is staged one day after E. A is not staged on the last day. D is staged on Thursday and is not immediately preceded by E. F is not staged on the last day and does not immediately follow D.

Which play is staged on Friday?

- a. A
- b. F
- c. C
- d. B

Options :

1. ✓ a
2. ✗ b
3. ✗ c
4. ✗ d

Question Number : 145 Question Id : 2395 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. Cow    2. Grasshopper    3. Cat    4. Elephant    5. Ant    6. Calf
- a. 4, 1, 6, 2, 3, 5
  - b. 5, 2, 6, 3, 1, 4
  - c. 5, 2, 3, 6, 1, 4
  - d. 5, 2, 6, 3, 4, 1

Options :

1. ✗ a
2. ✗ b
3. ✓ c
4. ✗ d

Question Number : 146 Question Id : 2396 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.

3, 5, 8, 13, 21, 33, 55

- a. 8
- b. 13
- c. 21
- d. 33

Options :

1. ✓ a
2. ✗ b
3. ✗ c
4. ✗ d

For the above question, User had specified 'ignore' during keys upload.

Question Number : 147 Question Id : 2397 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33



In a certain code, '537' means 'good intelligent boy'; '859' means 'bright young boy' and '472' means 'intelligent old student'. Which digit means 'good' in that code?

- a. 3
- b. 6
- c. 8
- d. 4

Options :

- 1. ✓ a
- 2. ✗ b
- 3. ✗ c
- 4. ✗ d

Question Number : 148 Question Id : 2398 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

In a certain language, 'MASTER' is coded as 'MSERTA', then in that language, 'BANKER' would be coded as:

- a. BNERAK
- b. BNERKA
- c. BENKRA
- d. RKABNE

Options :

- 1. ✗ a
- 2. ✓ b
- 3. ✗ c
- 4. ✗ d

Question Number : 149 Question Id : 2399 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

A man is facing North. He turns  $45^{\circ}$  in clockwise direction and then turns  $180^{\circ}$  in anticlockwise direction. Finally, he turns  $90^{\circ}$  in clockwise direction. Which direction is he facing now?

- a. West
- b. South-East
- c. South-West
- d. North-West

Options :

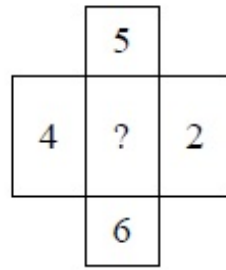
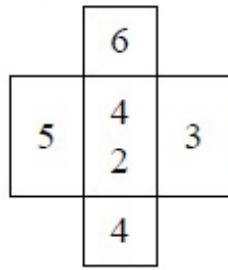
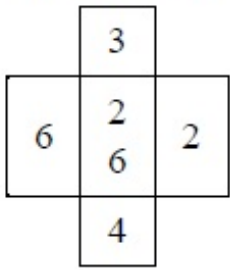
- 1. ✗ a
- 2. ✗ b
- 3. ✗ c

4. ✓ d

Question Number : 150 Question Id : 2400 Question Type : MCQ Option Shuffling : No

Correct : 1.0 Wrong : 0.33

The numbers in the following figures follow a pattern. Find the number which will replace the question mark



- a. 36
- b. 34
- c. 32
- d. 28

Options :

- 1. ✗ a
- 2. ✗ b
- 3. ✓ c
- 4. ✗ d