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DRDO STA - B

**Memory-Based Paper
(Tier I) 12 Nov 2022 Shift 1**



120 Questions

Que. 1 Find the value of $\sin 30^\circ$.

1. $1/\sqrt{2}$
2. $1/2$
3. $\sqrt{3}/2$
4. 1

Correct Option - 2

Que. 2 Two unbiased dice are thrown simultaneously. Find the probability of getting a sum 5.

1. $1/9$
2. $2/3$
3. $5/9$
4. $6/11$

Correct Option - 1

Que. 3 In rolling two dices, Find the probability of getting the sum of 10.

1. $1/3$
2. $1/4$
3. $1/12$
4. $1/9$

Correct Option - 3

Que. 4 The total surface area of a hemisphere is $108\pi \text{ cm}^2$. What is the volume of the hemisphere?

1. $216\pi \text{ cm}^3$
2. $54\sqrt{3}\pi \text{ cm}^3$
3. $108\sqrt{6}\pi \text{ cm}^3$
4. $144\pi \text{ cm}^3$

Correct Option - 4

Que. 5 Which one of the following equations is not satisfied by the point $(-4, 8)$?

1. $2x + 3y = 16$
2. $3x + 2y = 4$
3. $x + 2y = 12$
4. $3x - y = 20$

Correct Option - 4

Que. 6 At present, A is younger than B by 8 years. If 4 years ago, their ages were in the ratio 1 : 2, then what is the present age of B (in years)?

1. 12
2. 20
3. 11
4. 18

Correct Option - 2

Que. 7 Find the equation of line whose coordinates are (3, 5) and (7, 9).

1. $4x - y + 3 = 0$
2. $x - y + 2 = 0$
3. $6x + y - 2 = 0$
4. $8x - 3y + 2 = 0$

Correct Option - 2

Que. 8 In what ratio must a vendor mix two varieties of sugar worth Rs. 60 per kg Rs. 78 per kg so that by selling the mixture at Rs. 76.8 per kg, the vendor gains 20%?

1. 7 : 4
2. 7 : 2
3. 5 : 3
4. 5 : 2

Correct Option - 2

Que. 9 Reena bought a mobile phone at a discount of 20%. Had the discount received was 25%, she would have saved ₹2,000 more. How much did she pay (in ₹) for the mobile phone?

1. 28,000
2. 32,000
3. 40,000
4. 25,000

Correct Option - 2

Que. 10 The marked price of an article is Rs. 1,850. The shopkeeper offers two successive discounts of 20% and 30%. What is its selling price (in Rs.)?

1. 1024
2. 1036
3. 1246
4. 1530

Correct Option - 2

Que. 11 What percentage of numbers from 1 to 60 have 9 in the unit's digit

1. 20
2. 12
3. 10
4. 21

Correct Option - 3

Que. 12 Six bells commence tolling together, afterwards, they toll at intervals of 2, 4, 6, 8, 10 and 12 seconds respectively. In 30 minutes, how many times do they toll together?

1. 4
2. 10
3. 15

4. 16

Correct Option - 4

Que. 13 The average income of 30 persons is Rs. 5,600 and that of another 25 persons is Rs. 5,000. Find the average income of the whole group.

1. ₹4,578.25
2. ₹4,589.26
3. ₹5,238.29
4. ₹5,327.27

Correct Option - 4

Que. 14 If the observations are 75, 60, 58, 43, 28, 19, 15, 6, then their average is:

1. 44
2. 38
3. 24
4. 56

Correct Option - 2

Que. 15 A cuboid is formed by joining 3 cubes of diagonal $15\sqrt{3}$ cm. What is the volume the cuboid?

1. 10125 cm³
2. 12751 cm³
3. 30375 cm³
4. 17212 cm³

Correct Option - 1

Que. 16 How many bricks are required to build a 21 m long, 12 m high and 36 cm thick wall, if each brick measures 28 cm × 18 cm × 6 cm?

1. 24000
2. 30000
3. 25000
4. 20000

Correct Option - 2

Que. 17 If the diagonal of a rectangle is 13 cm and its perimeter is 34 cm, then what is the area of the rectangle in cm²?

1. 60
2. 75
3. 30
4. 45

Correct Option - 1

Que. 18 The average of first 10 multiples of 11 is _____.

1. 60.5
2. 55.5
3. 55

4. 60

Correct Option - 1

Que. 19 Let the first term of a A.P is 5, and the common difference is 7, then find the 12th term of the series.

1. 80
2. 82
3. 89
4. None of these

Correct Option - 2

Que. 20 If triangle ABC, right angled at B and AB = 12 cm and AC = 13 cm. Find the BC.

1. 5 cm
2. 6 cm
3. 7 cm
4. 8 cm

Correct Option - 1

Que. 21 The difference between simple interest and compound interest on a certain sum of money for 2 years at 10% per annum is ₹ 631. Find the sum

1. Rs. 6310
2. Rs. 60310
3. Rs. 63100
4. RS. 631

Correct Option - 3

Que. 22 A can complete a piece of work in 10 days. B is 25% more efficient than A. How many days will B alone take to complete the same work?

1. 7 days
2. 8 days
3. 6 days
4. 9 days

Correct Option - 2

Que. 23 A bus passes two persons moving in the direction of the moving bus at a speed of 3 km/h and 5 km/h, respectively. The bus passes the first person in 10s and the second person in 11s. The speed of the bus is :

1. 25 km/h
2. 24 km/h
3. 27 km/h
4. 28 km/h

Correct Option - 1

Que. 24 ₹ 63,800 is to be divided between A and B in the ratio 4 : 7. The difference between their share (in ₹) is:

1. 23,200
2. 40,600
3. 25,000
4. 17,400

Correct Option - 4

Que. 25 Vitamin-C is richly found in-

1. Milk
2. Apple
3. Lemon
4. Cereals

Correct Option - 3

Que. 26 Find the speed of sound in air

1. 331 ms^{-1}
2. 331 ms^1
3. 331 ms^2
4. 331 ms^{-2}

Correct Option - 1

Que. 27 The least distance of vision for a normal eye is _____.

1. 10 cm
2. 25 cm
3. 15 cm
4. 50 cm

Correct Option - 2

Que. 28 Which acid does an ant sting possess?

1. Methanoic acid
2. Oxalic acid
3. Lactic acid
4. Citric acid

Correct Option - 1

Que. 29 What is the SI unit of electric current?

1. Watt
2. Volt
3. Ampere
4. Coulomb

Correct Option - 3

Que. 30 Which of the following instrument is used to measure magnetic flux?

1. Manometer

2. Gravimeter
3. Galvanometer
4. Magnetometer

Correct Option - 4

Que. 31 What is the dimensional formula of the coefficient of viscosity?

1. $[M L T^2]$
2. $[M L T^{-2}]$
3. $[M L^{-2} T^{-3}]$
4. $[M L^{-1} T^{-1}]$

Correct Option - 4

Que. 32 What is the dimension formula of force?

1. MLT^{-2}
2. ML^2T^{-2}
3. $ML^{-1}T^{-2}$
4. LT^{-1}

Correct Option - 1

Que. 33 While moving from one end to another end inside a solenoid, its magnetic field _____.

1. increases
2. decreases
3. remains same
4. first increases then decreases

Correct Option - 3

Que. 34 The unit of the force constant k of a spring is

1. N - m
2. N/m
3. N - m²
4. N/m²

Correct Option - 2

Que. 35 Which of the following is an example of potential energy?

1. Water in an overhead work
2. Blowing wind
3. Flowing water
4. Rushing steam

Correct Option - 1

Que. 36 Which reaction is not Oxidation ?

1. Rusting of Iron

2. Burning of CO
3. Zn reacts with HCl
4. Extraction of Sodium

Correct Option - 4

Que. 37 Find out the correct formula of Gravitational force from the options given below.

1. $G.F = G m_1 m_2 \cdot r^2$
2. $G.F = \frac{1}{2} G m_1 m_2 / r^2$
3. $G.F = G m_1 m_2 / r^2$
4. $G.F = G m_1 m_2 / r$

Correct Option - 3

Que. 38 What is the resistance (in Ω) of an electrical component if a current of 0.1 A passes through it on application of 5 V of potential difference across it?

1. 0.5
2. 100
3. 50
4. 1

Correct Option - 3

Que. 39 An object was thrown upwards at a speed of 14 ms^{-1} and flew 10 m high. Calculate the time taken by the object to reach the highest point.

1. 1.63 s
2. 1.43 s
3. 1.53 s
4. 1.33 s

Correct Option - 2

Que. 40 The relation between the focal length and radius of curvature of a mirror is:

1. $F=2$
2. $R = f$
3. $R = 2f$
4. $R = f/2$

Correct Option - 3

Que. 41 Calculate the work done by the force of gravity when a satellite moves in an orbit of radius 40,000 km around the earth.

1. 0 J
2. 8,000 J
3. 4,000 J
4. 4,00,000 J

Correct Option - 1

Que. 42 Which one among the following is the correct order of power consumption for light of equal intensity ?

1. CFL tube < Fluorescent tube < Incandescent bulb < Light emitting diode
2. Light emitting diode < CFL tube < Fluorescent tube < Incandescent bulb
3. CFL tube < Fluorescent tube < Light emitting diode < Incandescent bulb
4. Incandescent bulb < Light emitting diode < Fluorescent tube < CFL tube

Correct Option - 1

Que. 43 Autotrophic mode of nutrition requires _____.

1. Methane
2. Carbon dioxide, Water, Chlorophyll and Sunlight
3. Carbon monoxide and Water
4. Chlorophyll and Oxygen

Correct Option - 2

Que. 44 Sublimation region is the region where

1. solid and vapor phases are in equilibrium
2. solid and liquid phases are in equilibrium
3. liquid and vapor phases are in equilibrium
4. solid, liquid and vapor phases are in equilibrium

Correct Option - 1

Que. 45 Parkinson's disease is caused by:

1. Hereditary factors
2. Death of brain cells due to old age
3. Impairment of dopamine producing cells in the brain
4. Demyelination of the nerve cells

Correct Option - 3

Que. 46 Autotrophic organisms include

1. bacteria and virus
2. bacteria and fungi
3. green plants and some bacteria
4. green plants and all bacteria

Correct Option - 3

Que. 47 In Modern Periodic Table, there is an anomaly when it comes to the position of _____ because it can be placed either in group 1 or group 17 in the first period.

1. He
2. H
3. Li
4. Be

Correct Option - 2

Que. 48 The lens formula is expressed as:

1. $\frac{1}{v} - \frac{1}{u} = \frac{1}{f}$

2. $\frac{1}{u} - \frac{1}{v} = \frac{1}{f}$
3. $\frac{1}{v} + \frac{1}{u} = \frac{1}{f}$
4. $\frac{-v}{u} = f$

Correct Option - 1

Que. 49 The power of the lens is measured in

1. Diopter
2. Ion
3. Lumen
4. Candela

Correct Option - 1

Que. 50 Pulse oximeter is used to measure

1. Oxygen saturation of blood
2. Pulse rate
3. Both 1) and 2)
4. None of these

Correct Option - 3

Que. 51 Which medicine is suggested by Doctors in Menstrual Cycle ?

1. Medroxyprogesterone
2. Bedaquiline
3. Nizoral
4. Ketoconazole

Correct Option - 1

Que. 52 HIV was discovered by _____ .

1. Luc Montagnier
2. Jakob Heine
3. Alphonse Laveran
4. Robert Hooke

Correct Option - 1

Que. 53 Pinaka, developed by DRDO, is a

1. battle tank
2. multi-barrel rocket launcher
3. anti-tank guided missile
4. armoured utility vehicle

Correct Option - 2

Que. 54 Which of the following is India's indigenously designed and developed long-range subsonic cruise missile?

1. Helena
2. Pinaka

3. Naag
4. Nirbhay

Correct Option - 4

Que. 55 What is the name of the first missile which is developed by DRDO?

1. Agni
2. Prithvi
3. Prahaar
4. Nag

Correct Option - 2

Que. 56 About 80% of the coal reserves of India lie in the

1. Damodar valley
2. Son valley
3. Mahanadi valley
4. Godavari valley

Correct Option - 1

Que. 57 Who is the winner of ICC Men's T20 World Cup 2021?

1. New Zealand
2. England
3. West Indies
4. Australia

Correct Option - 4

Que. 58 Which country launched the first artificial satellite Sputnik 1?

1. France
2. USSR
3. Germany
4. USA

Correct Option - 2

Que. 59 'Transnistria', recently seen in news, is located between the:

1. Moldova and Ukraine
2. Ukraine and Russia
3. Russia and Poland
4. Poland and Belarus

Correct Option - 1

Que. 60 Gujarat government has announced Aatmanirbhar Gujarat Scheme for mainly which of the following purpose?

1. for improving education infrastructure
2. for skilled labour workers
3. for assistance to Industries

4. All of these

Correct Option - 3

Que. 61 The primary purpose of the RBI monetary policy is to maintain:

1. wealth
2. exchange rate
3. growth
4. price stability

Correct Option - 4

Que. 62 Joe Biden has formalized US support for which of the following countries to join NATO?

1. Finland and Sweden
2. India and Iran
3. Australia and New Zealand
4. Brazil and Venezuela

Correct Option - 1

Que. 63 Which of the following earthquake waves are more destructive at the epicentre?

1. S - waves
2. P - waves
3. R - waves
4. L - waves

Correct Option - 4

Que. 64 Who has written the book- The God of Small Things?

1. Mrinal Pandey
2. Arun Shourie
3. Arundhati Roy
4. None of the above

Correct Option - 3

Que. 65 Article _____ is associated with right to education in the Indian Constitution.

1. 31 A
2. 21 A
3. 22
4. 21

Correct Option - 2

Que. 66 Which of the following is **not** a part of new economic reforms?

1. Liberalization
2. Globalization
3. Privatization
4. Centralization

Correct Option - 4

Que. 67 The standard meridian (IST) of India is

1. 82.5 East
2. 82.5 South
3. 80.5 East
4. 80.5 South

Correct Option - 1

Que. 68 Sariska and Ranthambore are the reserves for which of the following animals?

1. Lion
2. Tiger
3. Bear
4. Deer

Correct Option - 2

Que. 69 The regions known as Donetsk and Luhansk are sometimes mentioned in the news. They are the separatist regions of

1. Ethiopia
2. Sudan
3. Ukraine
4. Yemen

Correct Option - 3

Que. 70 "Bucha Killings" were recently seen in news. Bucha is

1. a sect in Ukraine.
2. a place near Kyiv, Ukraine.
3. a tribe in Ukraine.
4. a practice followed in Ukraine

Correct Option - 2

Que. 71 Which is the first national park established in India?

1. Velvadan National Park
2. Periyar National Park
3. Bandipur National Park
4. Corbett National Park

Correct Option - 4

Que. 72 Select the option that can be used as a one-word substitute for the given group of words.

A sound that cannot be heard

1. Audible
2. Inaudible
3. Indelible
4. Inedible

Correct Option - 2

Que. 73 Select the option that can be used as a one-word substitute for the given group of words.

A person above a hundred years in age

1. Centenarian
2. Venerable
3. Geriatric
4. Aged

Correct Option - 1

Que. 74 Select the most appropriate meaning of the given idiom.

A snake in the grass

1. A good fortune
2. An unfortunate accident
3. A sudden death
4. A hidden enemy

Correct Option - 4

Que. 75 Select the most appropriate meaning of the given idiom.

Keep someone at arm's length

1. Restrict someone to a small space to stand
2. Allow someone to talk only from a distance
3. Make someone stay outside
4. Avoid being friendly with someone

Correct Option - 4

Que. 76 Select the option that expresses the given sentence in indirect speech.

He said to me, "Do you own this beautiful car?"

1. He asked me that if you owned this beautiful car.
2. He asked me if I owned that beautiful car.
3. He asked to me if you own that beautiful car.
4. He asked me did I own that beautiful car.

Correct Option - 2

Que. 77 Select the option that expresses the given sentence in direct speech.

She exclaimed with sorrow that life had become miserable.

1. She said, "How miserable had become life!"
2. She said, "Oh! What miserable life will become."
3. She said, "Life has become miserable."
4. She said, "Alas! How miserable life has become."

Correct Option - 4

Que. 78 Select the most appropriate option to fill in the blank.

You need not _____ so much fuss about wearing a mask when you go out.

1. Cause
2. generate

3. do
4. make

Correct Option - 4

Que. 79 Select the most appropriate option to fill in the blank.

I am expected to follow all your instructions, _____?

1. is it
2. am I
3. isn't it
4. aren't I

Correct Option - 4

Que. 80 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

It is not worth / having the trouble / to write to him / as he never replies.

1. to write to him
2. as he never replies
3. having the trouble
4. It is not worth

Correct Option - 3

Que. 81 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

Several minutes had passed / before she returned / carry milk / for the dog.

1. before she returned
2. carry milk
3. for the dog
4. Several minutes passed

Correct Option - 2

Que. 82 The following sentence has been divided into parts. One of them may contain an error. Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.

The increase in irrigated areas /has resulted on achieving / record food grain production.

1. The increase in irrigated areas
2. has resulted on achieving
3. record food grain production
4. No error

Correct Option - 2

Que. 83 The following sentence has been split into four segments. Identify the segment that contains a grammatical error.

The policeman asked / many people but / no one was knowing / how the accident happened.

1. how the accident happened
2. The policeman asked

3. no one was knowing
4. many people but

Correct Option - 3

Que. 84 Select the most appropriate **ANTONYM** of the given word.

Deceive

1. Delude
2. Pretend
3. Betray
4. Support

Correct Option - 4

Que. 85 Select the most appropriate one-word substitution for the given group of words.

Compulsion to steal

1. Megalomania
2. Pyromania
3. Kleptomania
4. Nymphomania

Correct Option - 3

Que. 86 Select the **INCORRECTLY** spelt word.

1. Questionable
2. Flexible
3. Actually
4. Finally

Correct Option - 1

Que. 87 Choose the word opposite in meaning to the given word and mark it in the Answer Sheet.

Tranquil

1. Temporal
2. Disturbed
3. Unruffled
4. Perpetual

Correct Option - 2

Que. 88 Directions: Choose the passive voice of the sentence.

Shut the door.

1. The door is to be shutted.
2. The door is shut.
3. Let the door should be shutted.
4. Let the door be shut.

Correct Option - 4

Que. 89 Direction: In the following questions, choose the word opposite in meaning to the given word.

Substantial

1. Subtle
2. Importune
3. Ample
4. Tenuous

Correct Option - 4

Que. 90 Mark the correct spelling from the options given below:

1. apalling
2. appalinng
3. appalling
4. appaling

Correct Option - 3

Que. 91 Choose the option that is opposite in meaning to the given word:

Priggish

1. Sensible
2. Coxcombical
3. Prim
4. Unbending

Correct Option - 1

Que. 92 Penicillin is one of the most useful drugs invented by man. With its help, we can heal wounds caused by bacteria which cannot be otherwise healed. In the beginning, very few people knew of this wonderful discovery or its uses. First the scientists and then the ministers of governments were interested in it. Since penicillin could save the wounded soldiers, it was helpful in war. So, they decided to encourage the process of manufacture. Vast factories were set up for preparing it. Lives of hundreds and thousands of soldiers were saved with its help. Most people benefitted from it. Penicillin when introduced into the streams of the human blood, acts as an aid to those parts which are always fighting the deadly germs. It does not have power over every kind of bacteria, but certain kinds are destroyed by penicillin in the great majority of cases. Fill in the blank with a suitable word from the passage. The water level decreases in the _____ in winters.

1. rivers
2. ponds
3. valley
4. streams

Correct Option - 4

Que. 93 Who were interested in the discovery of penicillin in the beginning?

1. Governments
2. Scientists and Ministers of Governments
3. Teachers.
4. Doctors

Correct Option - 2

Que. 94 Choose the correct statement.

1. Penicillin could save the wounded soldiers.

2. Penicillin could not save the wounded soldiers.
3. Penicillin was harmful for the soldiers.
4. Penicillin was discarded by the scientists.

Correct Option - 1

Que. 95 **Directions:** Fill in the blanks from questions with option given.

Divide these fruits _____ Rajesh and Rani.

1. between
2. among
3. within
4. with

Correct Option - 1

Que. 96 What is the next number in the series?

1, 4, 9, 16, 25, _____?

1. 30
2. 50
3. 36
4. 45

Correct Option - 3

Que. 97 Eight girls M, N, O, P, Q, R, S and T are sitting around a circle facing towards the centre. Only three friends are sitting between P and S. M is sitting to the immediate right of S and to the immediate left of R. Only N is sitting between S and O. P is sitting second to the left of O.

Who is sitting second to the left of P?

1. N
2. M
3. S
4. R

Correct Option - 4

Que. 98 In a certain code language, RULES is written as IFOVH. How will LAW be written in that language?

1. DOZ
2. OZD
3. DZO
4. ZDO

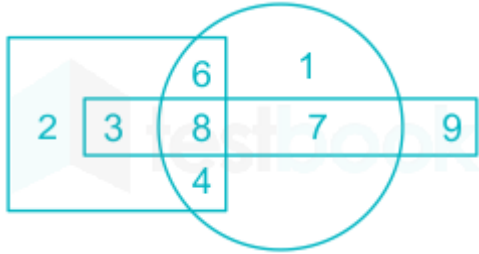
Correct Option - 2

Que. 99 Tomorrow is Monday. After 67 days. It will be _____

1. Monday
2. Sunday
3. Thursday
4. Friday

Correct Option - 3

Que. 100 What are the numbers in the following figure, which are present in only one of the given figures?



- 1. 4, 6, 7
- 2. 1, 2, 9
- 3. 3, 7, 9
- 4. 2, 3, 8

Correct Option - 2

Que. 101 Which of the following numbers will replace the question mark (?) in the given series?
16, 96, 101, ?, 407, 814

- 1. 405
- 2. 396
- 3. 400
- 4. 404

Correct Option - 4

Que. 102 A paper is folded and cut as shown. How will it appear when unfolded ?



- 1.
- 2.
- 3.
- 4.

Correct Option - 3

Que. 103 Sanjeev ranks seventh from the top and twenty-eighth from the bottom in a class. How many students are there in the class?

1. 36
2. 35
3. 37
4. 34





Correct Option - 4

Que. 104 At what time between 5 and 6 o'clock will the hour and minute hands of a clock coincide (they make an angle of 0°)?

1. $5 : 26\frac{1}{11}$
2. $5 : 27\frac{3}{11}$
3. $5 : 28\frac{3}{11}$
4. $5 : 29\frac{3}{11}$

Correct Option - 2

Que. 105 Which diagram correctly represents the relationship of pigeons, birds, dogs?

1. 
2. 
3. 
4. 

Correct Option - 4

Que. 106 Select the number that can replace the question mark (?) in the following series.
30, 48, 102, 264, 750, ?

1. 2201
2. 2208
3. 2100
4. 2229

Correct Option - 2

Que. 107 Pointing at a picture, Yuvika said that the boy in the picture is the son of her father's mother's daughter. How is that boy related to Yuvika?

1. Brother
2. Mother's brother's son

3. Father's sister's son
4. Father's brother

Correct Option - 3

Que. 108 Seven friends K, L, M, N, O, P and Q are sitting on a straight bench facing north. M and Q are not sitting at any of the extreme ends. K is sitting exactly at the middle position. Only P is sitting between Q and N. L is sitting third to the right of K. K is sitting to the immediate left of O.

Who is sitting at the extreme left end?

1. O
2. Q
3. N
4. L

Correct Option - 3

Que. 109 Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

KB, ED, YF, SH, ?

1. LI
2. MK
3. MJ
4. LK

Correct Option - 3

Que. 110 Six persons P, Q, R, S, T, and U are sitting equally spaced in a circle facing one another front to front. P is sitting in front of Q.

Q is sitting to the immediate right of T and immediate left of R, P is to the left of U and right of S. Who is sitting opposite to R?

1. P
2. Q
3. S
4. U

Correct Option - 4

Que. 111 Eight Friends are playing a game. K, L, M and N are sitting in a straight line and are facing North. O, P, Q and R are sitting on a parallel line and are facing South. Thus each of the persons sitting in a line, faces another person sitting in the parallel line. M faces a person who has two people sitting to his right. N is sitting between M and K. Q faces K. O is neither an immediate neighbour of P nor Q. Who amongst the following faces M?

1. R
2. O
3. P
4. Q

Correct Option - 1

Que. 112 Select the option that is related to the fifth number in same way as the second number is related to the first number and the fourth number is related to the third number.

6 : 218 :: 3 : 56 :: 5 : ?

- 1. 156
- 2. 152
- 3. 168
- 4. 160

Correct Option - 2

Que. 113 In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.

Statements:

- I. No Q is R.
- II. No F is Q.

Conclusions:

- I. Some F are not R.
- II. Some Q are not F.
- III. No R is Q.

- 1. Both conclusion I and II follows
- 2. Both conclusion II and III follows
- 3. Only conclusion III follows
- 4. Only conclusion II follows

Correct Option - 2

Que. 114 Rajani starts from her office and drives 90 km eastwards. Then she turns right and drives 20 km. Then she turns right and drives 30 km. Then she turns right and drives 100 km and reaches her home. In which direction is her office located with respect to her home and what is the shortest distance between her office and her home?

- 1. South-west; 100 km
- 2. East; 10 km
- 3. West; 10 km
- 4. North-east; 100 km

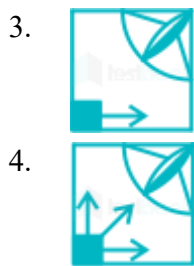
Correct Option - 1

Que. 115 Which answer figure will satisfy the question?

Question Figure:



- 1.
- 2.



Correct Option - 1

Que. 116 After walking 4 km towards South, P took a left turn and walked 4 km. Then he turned to his left and walked 4 km. Then, he turned to his right and walked 5 km. In which direction is he now from his starting point?

- 1. 8 km, west
- 2. 4 km, north
- 3. 7 km, south
- 4. 9 km, east

Correct Option - 4

Que. 117 Two statements are given followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

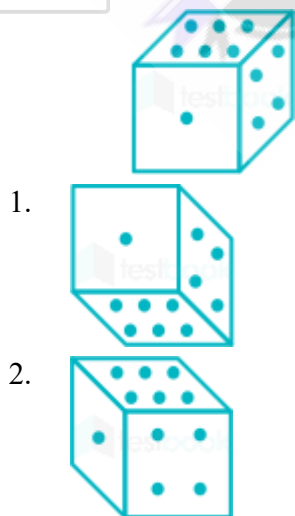
Some apartments are bungalows.
Some bungalows are flats.

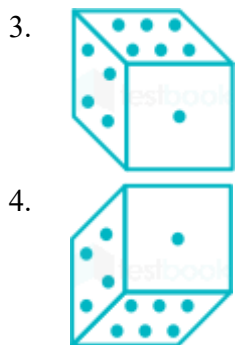
Conclusions:

- I. Some apartments are flats.
- II. Some flats are bungalows.
- 1. Only conclusion I follows
- 2. Both conclusions I and II follow
- 3. Neither conclusion I nor II follows
- 4. Only conclusion II follows

Correct Option - 4

Que. 118 Select the correct water image of the give figure.





Correct Option - 1

Que. 119 Read the given statement and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts. decide which of the conclusions logically follow(s) from the statement.

Statement:

Villagers have a cooperative attitude towards any stranger.

Conclusions:

I. Urban people have an uncooperative attitude towards strangers.

II. Urbanisation destroys our moral values.

1. Neither I nor II follows
2. Only II follows
3. Only I follows
4. Either I or II follows

Correct Option - 1

Que. 120 The female sex hormone is

1. estrogen
2. androgen
3. insulin
4. oxytocin

Correct Option - 1