

QID : 101 - If $1/N = (\sqrt{6} + \sqrt{5})/(\sqrt{6} - \sqrt{5})$, then what is the value of N?

Options:

- 1) $6 - \sqrt{30}$
- 2) $6 + \sqrt{30}$
- 3) $11 - 2\sqrt{30}$
- 4) $11 + 2\sqrt{5}$

Correct Answer: $11 - 2\sqrt{30}$

QID : 102 - What is the value of positive square root of $69 + 28\sqrt{5}$?

Options:

- 1) $7 + 2\sqrt{5}$
- 2) $7 - 2\sqrt{5}$
- 3) $2 + 7\sqrt{5}$
- 4) $2 - 7\sqrt{5}$

Correct Answer: $7 + 2\sqrt{5}$

QID : 103 - $3^{11} + 3^{12} + 3^{13} + 3^{14}$ is divisible by _____.

Options:

- 1) 7
- 2) 8
- 3) 11
- 4) 14

Correct Answer: 8

QID : 104 - A boy added all natural numbers from 1 to 12, however he added one number twice due to which the sum becomes 80. What is the number which he added twice?

Options:

- 1) 3
- 2) 2
- 3) 7
- 4) 8

Correct Answer: 2

QID : 105 - What smallest value must be added to 508, so that the resultant is a perfect square?

Options:

- 1) 4
- 2) 9
- 3) 18
- 4) 21

Correct Answer: 21

QID : 106 - Raman is 25% more efficient than Aman. If Aman can complete a piece of work in 25 days, then Raman can complete the same work in how many days?

Options:

- 1) 12
- 2) 15
- 3) 16
- 4) 20

Correct Answer: 20

QID : 107 - A and B together can complete a work in 30 day. They started together but after 6 days A left the work and the work is completed by B after 36 more days. A alone can complete the entire work in how many days?

Options:

- 1) 45
- 2) 90
- 3) 60
- 4) 120

Correct Answer: 90

QID : 108 - The marked price of an article is 40% more than its cost price. If 10% discount is given, then what is the profit percentage?

Options:

- 1) 10
- 2) 20
- 3) 26
- 4) 32

Correct Answer: 26

QID : 109 - What will be the net discount (in percent) after giving three successive discounts of 10%, 20% and 30%?

Options:

- 1) 50.4
- 2) 49.6
- 3) 45.3
- 4) 48.4

Correct Answer: 49.6

QID : 110 - The ratio of two numbers is 3 : 5. If both numbers are increased by 8, the ratio becomes 13 : 19. What is the sum of the two numbers?

Options:

- 1) 32
- 2) 48
- 3) 40
- 4) 72

Correct Answer: 48

QID : 111 - If $3A = 5B$, then what is the value of $(A + B)/B$?

Options:

1) $\frac{8}{3}$

2) $\frac{8}{5}$

3) $\frac{5}{8}$

4) $\frac{5}{3}$

Correct Answer: $\frac{8}{3}$

QID : 112 - What is the average of first 29 even numbers?

Options:

1) 30

2) 31

3) 32

4) 33

Correct Answer: 30

QID : 113 - The average of 5 consecutive odd numbers is 27. What is the product of the first and the last number?

Options:

1) 621

2) 667

3) 713

4) 725

Correct Answer: 713

QID : 114 - A man bought 9 pens for a rupee. How many pens should he sell for a rupee to gain 50%?

Options:

1) 3

2) 6

3) 7

4) 8

Correct Answer: 6

QID : 115 - On an article the profit is 210% of the cost price. If the cost price increase by 40% but the selling price remains constant, then approximately what percentage of selling price will be the profit?

Options:

1) 55

2) 62

3) 74

4) 85

Correct Answer: 55

QID : 116 - If the price of apple increases from Rs 80/kg to Rs 100/kg, then by what percentage a person should decrease the consumption of apple so that his expenditure remains same?

Options:

- 1) 25
- 2) 22
- 3) 20
- 4) 18

Correct Answer: 20

QID : 117 - If 25% of a number is 6, then what is the number which is 50% more than the initial number?

Options:

- 1) 36
- 2) 24
- 3) 30
- 4) 18

Correct Answer: 36

QID : 118 - A boat travels 60 kilometers downstream and 20 kilometers upstream in 4 hours. The same boat travels 40 kilometers downstream and 40 kilometers upstream in 6 hours. What is the speed (in km/hr) of the stream?

Options:

- 1) 24
- 2) 16
- 3) 18
- 4) 20

Correct Answer: 16

QID : 119 - 50 trees are standing in a line such that distance between any two consecutive trees is same. A car takes 18 seconds to travel from 13th tree to 34th tree. How much time (in seconds) will it take to reach from 1st tree to 50th tree?

Options:

- 1) 42
- 2) 42.85
- 3) 45
- 4) 49

Correct Answer: 42

QID : 120 - What will be the amount on Rs 12500 at the rate of 20% per annum compounded yearly for 3 years?

Options:

- 1) 21080
- 2) 21560
- 3) 20600
- 4) 21600

Correct Answer: 21600

QID : 121 - A certain sum becomes 7 times in 8 years, at simple interest, then in how many years it will become 19 times?

Options:

- 1) 15
- 2) 18
- 3) 28
- 4) 24

Correct Answer: 24

QID : 122 -

The table given below shows the runs scored by 5 players in four matches.

नीचे दी गई तालिका में 5 खिलाड़ियों के द्वारा चार मैचों में बनाए गए रनों को दर्शाया गया है।

Player खिलाड़ी	Match / मैच			
	I	II	III	IV
A	70	105	55	135
B	40	35	95	72
C	60	68	75	85
D	95	45	55	60
E	105	110	125	122

What is the difference between total runs scored by A and B in four matches?

Options:

- 1) 111
- 2) 123
- 3) 98
- 4) 135

Correct Answer: 123

QID : 123 -

The table given below shows the runs scored by 5 players in four matches.

नीचे दी गई तालिका में 5 खिलाड़ियों के द्वारा चार मैचों में बनाए गए रनों को दर्शाया गया है।

Player खिलाड़ी	Match / मैच			
	I	II	III	IV
A	70	105	55	135
B	40	35	95	72
C	60	68	75	85
D	95	45	55	60
E	105	110	125	122

Runs scored by C in match II is how much percent more than the runs scored by C in match I?

Options:

- 1) 11.76
- 2) 16.66
- 3) 17.12
- 4) 13.33

Correct Answer: 13.33

QID : 124 -

The table given below shows the runs scored by 5 players in four matches.

नीचे दी गई तालिका में 5 खिलाड़ियों के द्वारा चार मैचों में बनाए गए रनों को दर्शाया गया है।

Player खिलाड़ी	Match / मैच			
	I	II	III	IV
A	70	105	55	135
B	40	35	95	72
C	60	68	75	85
D	95	45	55	60
E	105	110	125	122

Runs scored by A in match II is what percent of the total runs scored by these five players in match II?

Options:

- 1) 71.07
- 2) 35.14
- 3) 28.92
- 4) 55.13

Correct Answer: 28.92

QID : 125 -

The table given below shows the runs scored by 5 players in four matches.

नीचे दी गई तालिका में 5 खिलाड़ियों के द्वारा चार मैचों में बनाए गए रनों को दर्शाया गया है।

Player खिलाड़ी	Match / मैच			
	I	II	III	IV
A	70	105	55	135
B	40	35	95	72
C	60	68	75	85
D	95	45	55	60
E	105	110	125	122

What is the correct order of averages of the given players in the 4 matches?

Options:

- 1) $E > A > C > D > B$
- 2) $E > A > D > C > B$
- 3) $A > E > C > D > B$
- 4) $A > E > B > C > D$

Correct Answer: $E > A > C > D > B$

QID : 126 - A solid metallic sphere of radius 21 cm is melted and recast into a cone with diameter of the base as 21 cm. What is the height (in cm) of the cone?

Options:

- 1) 336
- 2) 112
- 3) 224
- 4) 66

Correct Answer: 336

QID : 127 - The radius of a wheel is 3.5 cm. What is the distance (in cm) travelled by the wheel in 20 revolutions?

Options:

- 1) 220
- 2) 440
- 3) 880
- 4) 1320

Correct Answer: 440

QID : 128 - If the perimeter of a square is 44 cm, then what is the diagonal (in cm) of the square?

Options:

1) $11\sqrt{2}$

2) $2\sqrt{11}$

3) 11

4) $44\sqrt{2}$

Correct Answer: $11\sqrt{2}$

QID : 129 - What is the curved surface area (in cm^2) of a cylinder having radius of base as 14 cm and height as 10 cm?

Options:

1) 440

2) 880

3) 220

4) 1320

Correct Answer: 880

QID : 130 - Three circles of radius 63 cm are placed in such a way that each circle touches the other two. What is the area of the portion enclosed by the three circles?

Options:

1) $7938\sqrt{3} - 4158$

2) $3969\sqrt{3} - 4158$

3) $7938\sqrt{3} - 6237$

4) $3969\sqrt{3} - 6237$

Correct Answer: $3969\sqrt{3} - 6237$

QID : 131 - If $(x/y)^{5a-3} = (y/x)^{17-3a}$, then what is the value of a?

Options:

1) -7

2) -5

3) 0

4) 3

Correct Answer: -7

QID : 132-

What is the value of $\left(\frac{x^2 - x - 6}{x^2 + x - 12}\right) \div \left(\frac{x^2 + 5x + 6}{x^2 + 7x + 12}\right)$?

$\left(\frac{x^2 - x - 6}{x^2 + x - 12}\right) \div \left(\frac{x^2 + 5x + 6}{x^2 + 7x + 12}\right)$ का मान क्या है?

Options:

- 1) 1
- 2) $(x - 3)/(x + 3)$
- 3) $(x + 4)/(x - 3)$
- 4) $(x - 3)(x + 4)$

Correct Answer: 1

QID : 133 -

If $x^2 + \frac{1}{x^2} = \frac{7}{4}$ for $x > 0$, then what is the value of

$$x^3 + \frac{1}{x^3}?$$

यदि $x > 0$ के लिए $x^2 + \frac{1}{x^2} = \frac{7}{4}$ हो, तो $x^3 + \frac{1}{x^3}$ का मान

क्या है?

Options:

- 1) $(3\sqrt{3})/5$
- 2) $(3\sqrt{15})/5$
- 3) $(3\sqrt{15})/8$
- 4) $(3\sqrt{5})/8$

Correct Answer: $(3\sqrt{15})/8$

QID : 134 -

If $x^2 - 8x + 1 = 0$, then what is the value of $x^2 + \frac{1}{x^2}$?

यदि $x^2 - 8x + 1 = 0$ हो, तो $x^2 + \frac{1}{x^2}$ का मान क्या है?

Options:

1) 18

2) 34

3) 40

4) 62

Correct Answer: 62

QID : 135 -

What is the simplified value of

$$\left(x^{32} + \frac{1}{x^{32}}\right)\left(x^8 + \frac{1}{x^8}\right)\left(x - \frac{1}{x}\right)\left(x^{16} + \frac{1}{x^{16}}\right)\left(x + \frac{1}{x}\right)\left(x^4 + \frac{1}{x^4}\right)?$$

$$\left(x^{32} + \frac{1}{x^{32}}\right)\left(x^8 + \frac{1}{x^8}\right)\left(x - \frac{1}{x}\right)\left(x^{16} + \frac{1}{x^{16}}\right)\left(x + \frac{1}{x}\right)\left(x^4 + \frac{1}{x^4}\right)$$

का सरलीकृत मान क्या है?

Options:

1)

$$\left(x^{64} + \frac{1}{x^{64}} \right)$$

2)

$$\frac{\left(x^{64} - \frac{1}{x^{64}} \right)}{\left(x^2 + \frac{1}{x^2} \right)}$$

3)

$$\frac{\left(x^{64} - \frac{1}{x^{64}} \right)}{\left(x + \frac{1}{x} \right)}$$

4)

$$\frac{\left(x^{32} - \frac{1}{x^{32}} \right)}{\left(x + \frac{1}{x} \right)}$$

Correct Answer:

$$\frac{\left(x^{64} - \frac{1}{x^{64}} \right)}{\left(x^2 + \frac{1}{x^2} \right)}$$

QID : 136 - If P is the circum-center in ΔABC , $\angle BPC = 30^\circ$, then what is the value (in degrees) of $\angle BAC$?

Options:

1) 30

2) 60

3) 75

4) 105

Correct Answer: [No Correct Answer]

QID : 137 - In ΔPQR , $\angle PQR = 90^\circ$, $PQ = 5$ cm and $QR = 12$. What is the radius (in cm) of the circum-circle of ΔPQR ?

Options:

1) 6.5

2) 7.5

3) 13

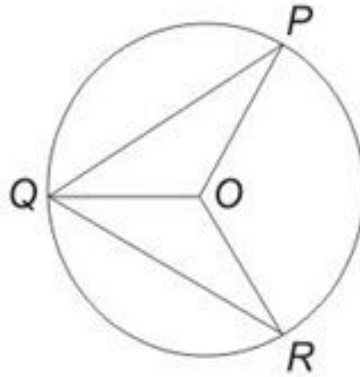
4) 15

Correct Answer: 6.5

QID : 138 -

In the given figure, O is the center of the circle, $\angle PQO = 30^\circ$ and $\angle QRO = 45^\circ$. What is the value (in degrees) of $\angle POR$?

दी गई आकृति में, O वृत्त का केंद्र है, $\angle PQO = 30^\circ$ तथा $\angle QRO = 45^\circ$ है। $\angle POR$ का मात (डिग्री में) क्या है?



Options:

1) 150

2) 110

3) 160

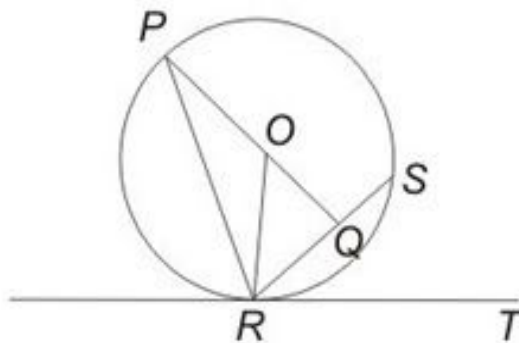
4) 130

Correct Answer: 150

QID : 139 -

In the given figure, O is the centre of the circle, OQ is perpendicular to RS and $\angle SRT = 30^\circ$. If $RS = 10\sqrt{2}$, then what is the value of PR^2 ?

दी गई आकृति में, O वृत्त का केंद्र है, OQ , RS का लम्ब है तथा $\angle SRT = 30^\circ$ है। यदि $RS = 10\sqrt{2}$ है, तो PR^2 का मान क्या होगा?



Options:

- 1) $200(1 + \sqrt{3})$
- 2) $300(2 + \sqrt{3})$
- 3) $200(2 + \sqrt{3})$
- 4) $100(3 + 2\sqrt{3})$

Correct Answer: $200(2 + \sqrt{3})$

QID : 140 - If ΔABC is right angled at B, $AB = 30$ and $\angle ACB = 60^\circ$, then what is the value of AC?

Options:

- 1) 20
- 2) $20\sqrt{3}$
- 3) 40
- 4) 60

Correct Answer: $20\sqrt{3}$

QID : 141 - If $\sin \theta + \cos \theta = \sqrt{3} \cos(90 - \theta)$, then what is the value of $\tan \theta$?

Options:

- 1) $\sqrt{3} - 1$
- 2) $\sqrt{3} + 1$
- 3) $(\sqrt{3} + 1)/2$
- 4) $(\sqrt{3} - 1)/2$

Correct Answer: $(\sqrt{3} + 1)/2$

QID : 142 -

If $\tan A = \frac{1}{3}$ and $\tan B = \frac{2}{5}$, then what is the value of $\tan (2A + B)$?

यदि $\tan A = \frac{1}{3}$ तथा $\tan B = \frac{2}{5}$ है, तो $\tan (2A + B)$ का मान क्या है?

Options:

- 1) 8/15
- 2) 6/13
- 3) 37/115
- 4) 23/14

Correct Answer: 23/14

QID : 143 - What is the simplified value of $[(1 + \sec 2\theta) \tan^2 \theta] + 1$?

Options:

- 1) $\cos^2 \theta$
- 2) 1
- 3) $\sec 2\theta$
- 4) $\operatorname{cosec} \theta$

Correct Answer: $\sec 2\theta$

QID : 144 - What is the simplified value of $[(1 - \cos^2 \theta) \operatorname{cosec}^4 \theta] - \cot^2 \theta$?

Options:

- 1) -1
- 2) 0
- 3) 1
- 4) 3

Correct Answer: 1

QID : 145 - If $\cos (\theta + 31^\circ) = \sin 47^\circ$, then what is the value of $\sin 5\theta$?

Options:

- 1) $1/2$
- 2) $1/\sqrt{2}$
- 3) $\sqrt{3}/2$
- 4) 0

Correct Answer: $\sqrt{3}/2$

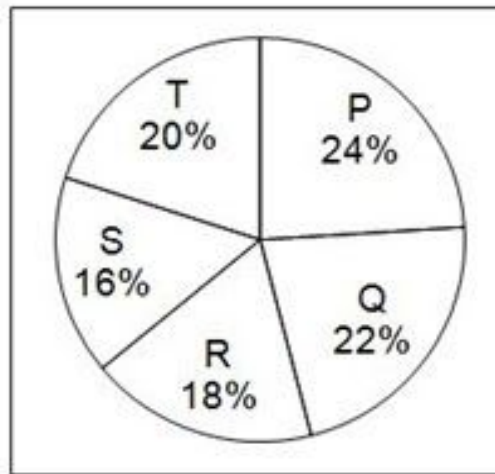
QID : 146 -

The following pie chart shows the expenditure (in percentage) of five companies *P*, *Q*, *R*, *S* and *T* in the year 2016.

Total Expenditure = Rs 48 crores

नीचे दिए गए वृत्त चित्र में वर्ष 2016 में *P*, *Q*, *R*, *S* तथा *T* पाँच कंपनियों के खर्चे (प्रतिशत में) को दर्शाया गया है।

कुल व्यय = 48 करोड़ रु.



What was the total expenditure (in Rs crores) of the company Q, R and T together?

Options:

- 1) 19.2
- 2) 28.8
- 3) 24.3
- 4) 31.4

Correct Answer: 28.8

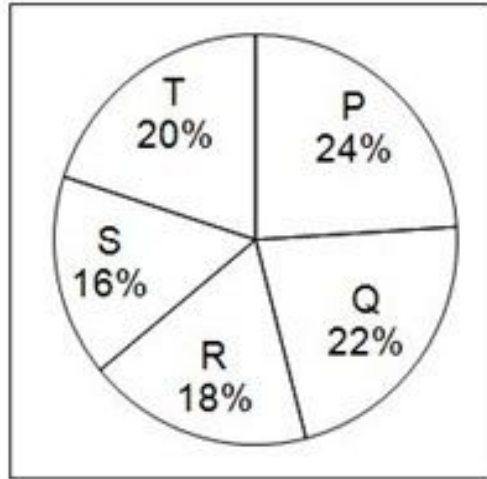
QID : 147 -

The following pie chart shows the expenditure (in percentage) of five companies *P*, *Q*, *R*, *S* and *T* in the year 2016.

Total Expenditure = Rs 48 crores

नीचे दिए गए वृत्त चित्र में वर्ष 2016 में *P*, *Q*, *R*, *S* तथा *T* पाँच कंपनियों के खर्चे (प्रतिशत में) को दर्शाया गया है।

कुल व्यय = 48 करोड़ रु.



By how much percent expenditure of company Q and R together greater than that of company P?

Options:

- 1) 33.33
- 2) 60
- 3) 66.67
- 4) 75

Correct Answer: 66.67

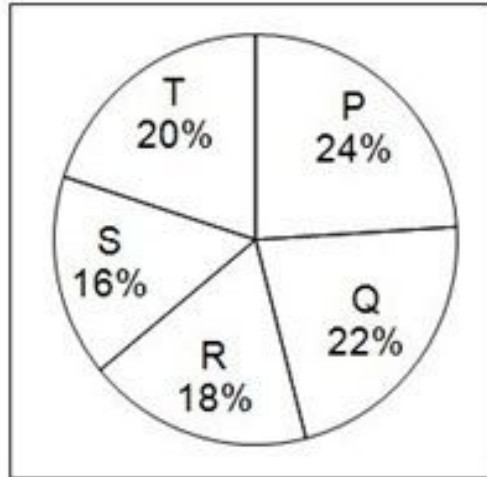
QID : 148 -

The following pie chart shows the expenditure (in percentage) of five companies *P*, *Q*, *R*, *S* and *T* in the year 2016.

Total Expenditure = Rs 48 crores

नीचे दिए गए वृत्त चित्र में वर्ष 2016 में *P*, *Q*, *R*, *S* तथा *T* पाँच कंपनियों के खर्चे (प्रतिशत में) को दर्शाया गया है।

कुल व्यय = 48 करोड़ रु.



What is the respective ratio between the total expenditure of company *P*, *Q* and *S* together to the total expenditure?

Options:

- 1) 31 : 60
- 2) 50 : 31
- 3) 60 : 31
- 4) 31 : 50

Correct Answer: 31 : 50

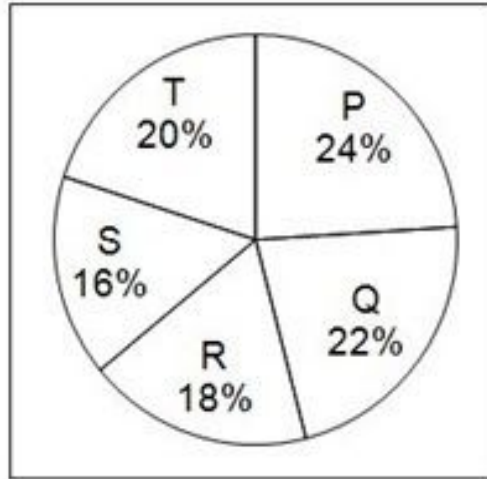
QID : 149 -

The following pie chart shows the expenditure (in percentage) of five companies *P*, *Q*, *R*, *S* and *T* in the year 2016.

Total Expenditure = Rs 48 crores

नीचे दिए गए वृत्त चित्र में वर्ष 2016 में *P*, *Q*, *R*, *S* तथा *T* पाँच कंपनियों के खर्चे (प्रतिशत में) को दर्शाया गया है।

कुल व्यय = 48 करोड़ रु.



Total amount spent by company *S* is what percent of total amount spent by company *T* and *R*?

Options:

1) 42.1

2) 43

3) 39.68

4) 41

Correct Answer: 42.1

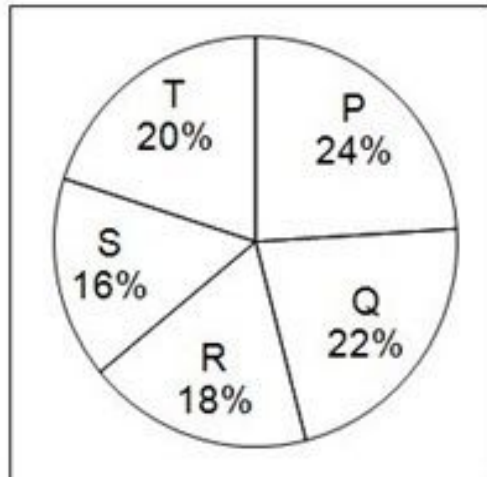
QID : 150 -

The following pie chart shows the expenditure (in percentage) of five companies *P*, *Q*, *R*, *S* and *T* in the year 2016.

Total Expenditure = Rs 48 crores

नीचे दिए गए वृत्त चित्र में वर्ष 2016 में *P*, *Q*, *R*, *S* तथा *T* पाँच कंपनियों के खर्चे (प्रतिशत में) को दर्शाया गया है।

कुल व्यय = 48 करोड़ रु.



The profit earned by company *R* is equal to the $\frac{1}{4}$ th of the expenditure of company *Q*. What is the profit (in Rs crores) of company *R*?

Options:

1) 3.24

2) 4.84

3) 2.64

4) 5.66

Correct Answer: 2.64

QID : 51 - What is the full form of GNI?

Options:

- 1) Gross National Interest**
- 2) Gross National Income**
- 3) Gross Net Interest**
- 4) Gross Net Income**

Correct Answer: Gross National Income

QID : 52 - Which among the following is an apex institution in the sphere of Agriculture credit in India?

Options:

- 1) NABARD (National Bank for Agriculture and Rural Development)**
- 2) SIDBI (Small Industries Development Bank of India)**
- 3) EXIM Bank**
- 4) NAFED (National Agricultural Cooperative Marketing Federation of India Ltd.)**

Correct Answer: NABARD (National Bank for Agriculture and Rural Development))

QID : 53 - Which organisation measures Gross Domestic Product in India?

Options:

- 1) Reserve Bank of India**
- 2) NITI Aayog**
- 3) State Bank of India**
- 4) Central Statistics Office**

Correct Answer: Central Statistics Office

QID : 54 - Who among the following suggested the 'Rolling Plan'?

Options:

- 1) John W. Miller**
- 2) D. T. Lakdawala**
- 3) Gunnar Myrdal**
- 4) Sukhmay Chakaraborty**

Correct Answer: Gunnar Myrdal

QID : 55 - Why was 'Tendulkar Committee' constituted?

Options:

- 1) To measure unemployment**
- 2) To measure growth rate**
- 3) To measure poverty**
- 4) To measure agricultural produce**

Correct Answer: To measure poverty

QID : 56 - Which of the following is not a branch of federal form of government?

Options:

- 1) Judiciary**
- 2) Executive**
- 3) Legislative**

4) Media

Correct Answer: Media

QID : 57 - What is meant by 'defection'?

Options:

- 1) Changing party after winning election
- 2) Changing party before winning election
- 3) Changing party after losing election
- 4) Changing party before losing election

Correct Answer: Changing party after winning election

QID : 58 - Who among the following said that 'Democracy is the government of the people, for the people and by the people'?

Options:

- 1) Aristotle
- 2) Plato
- 3) Abraham Lincoln
- 4) George Bush

Correct Answer: Abraham Lincoln

QID : 59 - How many types of emergencies can be proclaimed in India?

Options:

- 1) Five
- 2) Six
- 3) Two
- 4) Three

Correct Answer: Three

QID : 60 - Indian Constitution contains how many Parts?

Options:

- 1) Twelve Parts
- 2) Twenty-two Parts
- 3) Eighteen Parts
- 4) Twenty-five Parts

Correct Answer: Twenty-five Parts

QID : 61 - Money bill can be introduced first in which house of Parliament?

Options:

- 1) Only in Lok Sabha
- 2) Only in Rajya Sabha
- 3) Both in Lok Sabha and Rajya Sabha
- 4) Either in Lok Sabha or in Rajya Sabha

Correct Answer: Only in Lok Sabha

QID : 62 - In how many ways Indian citizenship can be lost?

Options:

- 1) One
- 2) Two
- 3) Three
- 4) Four

Correct Answer: Three

QID : 63 - Who of the following appoints the Prime Minister of India?

Options:

- 1) President of India
- 2) Chief Justice of India
- 3) Attorney General of India
- 4) Governor

Correct Answer: President of India

QID : 64 - Who among the following was one of the discoverers of Indus Valley Civilization?

Options:

- 1) Lord Wooley
- 2) Daya Ram Sahni
- 3) V. S. Agarwal
- 4) A. L. Basham

Correct Answer: Daya Ram Sahni

QID : 65 - When was Delhi declared as the capital of India?

Options:

- 1) 1901
- 2) 1911
- 3) 1913
- 4) 1921

Correct Answer: 1911

QID : 66 - Magical charms and spells are given in which of the following Vedas?

Options:

- 1) Rig Veda
- 2) Sama Veda
- 3) Yajurveda Veda
- 4) Atharva Veda

Correct Answer: Atharva Veda

QID : 67 - In Indus valley civilization, Dholavira is famous for which of the following?

Options:

- 1) Rock cut architecture
- 2) Sea port
- 3) Water Conservation
- 4) Pottery

Correct Answer: Water Conservation

QID : 68 - Who was the founder of Arya Samaj?

Options:

- 1) Mula Shankar
- 2) Bal Gangadhar Tilak
- 3) Swami Dayanand Saraswati
- 4) Rabindra Nath Tagore

Correct Answer: Swami Dayanand Saraswati

QID : 69 - Which of the following pair is CORRECT?

Options:

- 1) 23.5° South – Tropic of Cancer
- 2) 23.5° South – Tropic of Capricorn
- 3) 23.5° North – Tropic of Capricorn
- 4) 66° North – Antarctic Circle

Correct Answer: 23.5° South – Tropic of Capricorn

QID : 70 - Which of the following sea has highest salinity?

Options:

- 1) Red Sea
- 2) Black Sea
- 3) Dead Sea
- 4) Arabian Sea

Correct Answer: Dead Sea

QID : 71 - Ox-bow lakes are formed when river is _____.

Options:

- 1) Fast moving
- 2) At steep slope
- 3) At very low gradient
- 4) At near point of origin

Correct Answer: At very low gradient

QID : 72 - In which country Cape Comorin is located?

Options:

- 1) India
- 2) Pakistan
- 3) South Africa
- 4) South America

Correct Answer: India

QID : 73 - Which among the following is a green house gas?

- I. Methane
- II. Carbon dioxide

III. Nitrogen dioxide

Options:

- 1) I and II
- 2) I and III
- 3) II and III
- 4) All options are correct.

Correct Answer: I and II

QID : 74 - Which of the following cell organelle is present only in plant cell?

Options:

- 1) Mitochondria
- 2) Cell wall
- 3) Cell membrane
- 4) Vacuole

Correct Answer: Cell wall

QID : 75 - Which of the following is a vestigial organ in human body?

Options:

- 1) Wisdom teeth
- 2) Spleen
- 3) Thyroid
- 4) Gall bladder

Correct Answer: Wisdom teeth

QID : 76 - Which of the following enzyme is essential for clotting of blood?

Options:

- 1) Amylase
- 2) Thrombin
- 3) Pepsin
- 4) Renin

Correct Answer: Thrombin

QID : 77 - Which of the following is a genetic disease?

Options:

- 1) Down syndrome
- 2) Elephantiasis
- 3) Asthama
- 4) Night blindness

Correct Answer: Down syndrome

QID : 78 - Onion is an example of bulb, which is a modified _____.

Options:

- 1) Stem
- 2) Root
- 3) Leaf

4) Flower

Correct Answer: Stem

QID : 79 - Which of the following gives colour to human skin?

Options:

1) Adenosine

2) Thymine

3) Melanin

4) Guanine

Correct Answer: Melanin

QID : 80 - A flying jet possesses _____.

Options:

1) Potential energy

2) Kinetic energy

3) Wind energy

4) Both kinetic and potential energy

Correct Answer: Both kinetic and potential energy

QID : 81 - Direction of heat flow depends on _____.

Options:

1) Density

2) Energy

3) Mass

4) Temperature

Correct Answer: Temperature

QID : 82 - Which of the following phenomena is involved in Kaleidoscope?

Options:

1) Refraction

2) Reflection

3) Total Internal reflection

4) Diffraction

Correct Answer: Reflection

QID : 83 - In a magnifying glass _____ lens is used.

Options:

1) Convex

2) Concave

3) Plano concave

4) Plano convex

Correct Answer: Convex

QID : 84 - Which of the following is also termed as main memory of computer?

Options:

- 1) RAM.
 - 2) ROM.
 - 3) Hard disk
 - 4) Compact disk
- Correct Answer: RAM

QID : 85 - BIT is also known as _____.

Options:

- 1) Binary language
- 2) Binary digit
- 3) Binary Number
- 4) Gigabyte

Correct Answer: Binary digit

QID : 86 -

Match the following.

निम्नलिखित का मिलान कीजिए।

Nature / प्रकृति	Substance / पदार्थ
1. Acidic अम्लीय	a. Distill water आसुत जल
2. Basic क्षारीय	b. Carbonated drink कार्बोनेटेड पेय
3. Neutral न्यूट्रल	c. Soap साबुन

Options:

1) 1 – a, 2 – c, 3 – b

2) 1 – b, 2 – c, 3 – a

3) 1 – a, 2 – b, 3 – c

4) 1 – c, 2 – a, 3 – b

Correct Answer: 1 – b, 2 – c, 3 – a

QID : 87 - Which of the following is radioactive in nature?

Options:

- 1) Helium
- 2) Sodium
- 3) Thorium
- 4) Platinum

Correct Answer: Thorium

QID : 88 - Which of the following is used as fuel rods in Atomic reactor?

Options:

- 1) Sodium
- 2) Uranium
- 3) Graphite
- 4) Boron

Correct Answer: Uranium

QID : 89 - Bleaching action of Chlorine is due to which reaction?

Options:

- 1) Oxidation
- 2) Hydrolysis
- 3) Redox
- 4) Decomposition

Correct Answer: Oxidation

QID : 90 - Which of the following is a major component of water pollution in Bengal Basin?

Options:

- 1) Chromium
- 2) Arsenic
- 3) Calcium
- 4) Potassium

Correct Answer: Arsenic

QID : 91 - Identify correct type of food chain:

Dead animal ---> maggots ---> frog ---> snake

Options:

- 1) Decomposer food chain
- 2) Detritus food chain
- 3) Grazing food chain
- 4) Parasitic food chain

Correct Answer: Detritus food chain

QID : 92 - In which of the following ecosystem pyramid of biomass is upright?

Options:

- 1) Pond ecosystem
- 2) Grassland ecosystem
- 3) Fresh water ecosystem

4) Forest ecosystem

Correct Answer: Grassland ecosystem

QID : 93 - Ministry of Health and family welfare has launched the 'Test and Treat Policy' for _____ patients.

Options:

1) Polio

2) HIV

3) Malaria

4) Cancer

Correct Answer: HIV

QID : 94 - Karl Landsteiner is known for the discovery of which one of the following?

Options:

1) Cresco graph

2) Radioactivity

3) Blood group

4) X-rays

Correct Answer: Blood group

QID : 95 - National sport of Malaysia is _____.

Options:

1) Badminton

2) Hockey

3) Table Tennis

4) Chess

Correct Answer: Badminton

QID : 96 - Lotus Temple is known for which religion?

Options:

1) Judaism

2) Buddhism

3) Bahai

4) Taoism

Correct Answer: Bahai

QID : 97 - Who is the recipient of Padma Shri for the year 2016 in the field of sports – Cricket along with Virat Kohli?

Options:

1) Polly Umrigar

2) Amit Bhandari

3) Shekhar Naik

4) Bishan Singh Bedi

Correct Answer: Shekhar Naik

QID : 98 - Who has written the book named 'The People's President: Dr. A.P.J. Abdul Kalam'?

Options:

- 1) S. M. Khan
- 2) Sourabh Duggal
- 3) Tarun Vijay
- 4) Shri Vijay Kumar

Correct Answer: S. M. Khan

QID : 99 - Which country has opened its consulate in Chennai on 28 April 2017?

Options:

- 1) Kazakhstan
- 2) Uzbekistan
- 3) Iran
- 4) Israel

Correct Answer: Kazakhstan

QID : 100 - Katchatheevu Island was ceded by India to which country in 1974?

Options:

- 1) Sri Lanka
- 2) Maldives
- 3) Indonesia
- 4) Myanmar

Correct Answer: Sri Lanka

QID : 1 - In the following question, select the related word from the given alternatives.

Smoke : Pollution :: Fire : ?

Options:

- 1) Death
- 2) Sound
- 3) Ash
- 4) Cold

Correct Answer: Ash

QID : 2 - In the following question, select the related word pair from the given alternatives.

Players : Team :: ? : ?

Options:

1) Car : Group

2) Ship : Fleet

3) Airplane : Flight

4) Pen : Heap

Correct Answer: Ship : Fleet

QID : 3 - In the following question, select the related letters from the given alternatives.

GLOR : FJLN :: TWQK : ?

Options:

1) SUNG

2) SUMG

3) SUGN

4) SUGM

Correct Answer: SUNG

QID : 4 - In the following question, select the related letters from the given alternatives

GHI : DFH :: LMN : ?

Options:

1) IMK

2) JLM

3) ILM

4) IKM

Correct Answer: IKM

QID : 5 - In the following question, select the related number from the given alternatives.

8 : 512 :: 6 :

Options:

- 1) 216
- 2) 312
- 3) 408
- 4) 512

Correct Answer: 216

QID : 6 - In the following question, select the related number from the given alternatives.

122 : 145 :: 226 : ?

Options:

- 1) 255
- 2) 256
- 3) 257
- 4) 259

Correct Answer: 257

QID : 7 - In the following question, select the odd word from the given alternatives.

Options:

- 1) Skin
- 2) Lungs
- 3) Heart
- 4) Kidneys

Correct Answer: Skin

QID : 8 - In the following question, select the odd word pair from the given alternatives.

Options:

- 1) Ink : Inkpot
- 2) Bottle : Wine
- 3) Tea : Cup
- 4) Water : Jug

Correct Answer: Bottle : Wine

QID : 9 - In the following question, select the odd letters from the given alternatives.

Options:

- 1) GJM**
- 2) PSV**
- 3) MPR**
- 4) KNQ**

Correct Answer: MPR

QID : 10 - In the following question, select the odd letters from the given alternatives.

Options:

- 1) MT**
- 2) CJ**
- 3) SZ**
- 4) FN**

Correct Answer: FN

QID : 11 - In the following question, select the odd number pair from the given alternatives.

Options:

- 1) 11 – 44**
- 2) 12 – 72**
- 3) 13 – 52**
- 4) 14 – 48**

Correct Answer: 14 – 48

QID : 12 - In the following question, select the odd number pair from the given alternatives.

Options:

- 1) 5 – 30**

2) 12 – 84

3) 11 – 66

4) 8 – 48

Correct Answer: 12 – 84

QID : 13 - Arrange the given words in the sequence in which they occur in the dictionary.

1. Rangle

2. Regal

3. Royal

4. Room

5. Rested

Options:

1) 15432

2) 45312

3) 12543

4) 13542

Correct Answer: 12543

QID : 14 - Arrange the given words in the sequence in which they occur in the dictionary.

1. Soul

2. Strain

3. Syrup

4. Sand

5. Strained

Options:

1) 41253

2) 42153

3) 54312

4) 45312

Correct Answer: 41253

QID : 15 - A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

GD, DI, AP, XY, ?

Options:

1) UH

2) IU

3) ST

4) UJ

Correct Answer: UJ

QID : 16 - A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

WVU, TSR, QPO, ?

Options:

1) NML

2) LMN

3) LMK

4) KLM

Correct Answer: NML

QID : 17 - In the following question, select the missing number from the given series.

1, 1, 3, 4, 5, 9, 7, 16, 9, 25, 11, ?

Options:

1) 17

2) 36

3) 49

4) 37

Correct Answer: 36

QID : 18 - In the following question, select the missing number from the given series.

?, 5, 15, 45, 113

Options:

1) 1

2) 2

3) 3

4) 4

Correct Answer: 3

QID : 19 - 6 people are sitting in a row. A is sitting towards immediate left of B and immediate right of C. C is sitting to immediate right of F. D is immediate right of E who is to the left of F, then which two people are sitting in the center?

Options:

1) D and B

2) A and B

3) F and C

4) E and D

Correct Answer: F and C

QID : 20 - Sunil's position from the left in a row of boys is 20th and Deepak's position from the right is 36th. After interchanging their position, Sunil becomes 28th from the left. How many boys are there in the row?

Options:

1) 52

2) 63

3) 59

4) 48

Correct Answer: 63

QID : 21 - Vikram started from point R and walked straight 7 km west, then turned left and walked 2 km and again turned left and walked straight 4 km. In which direction is he from R?

Options:

- 1) North-East**
- 2) South-West**
- 3) South-East**
- 4) North-West**

Correct Answer: South-West

QID : 22 - In the following question, select the word which cannot be formed using the letters of the given word.

Liberation

Options:

- 1) Ratio**
- 2) Aion**
- 3) Bear**
- 4) Liberal**

Correct Answer: Liberal

QID : 23 - In the following question, select the word which cannot be formed using the letters of the given word.

Deliberate

Options:

- 1) Dilate**
- 2) Tail**
- 3) Betray**
- 4) Elated**

Correct Answer: Betray

QID : 24 - In a certain code language, "SATURN" is written as "JVQXWW" and "URANUS" is written as "OYJENY". How is "JUITER" written in that code language?

Options:

- 1) NIPMQN**
- 2) NIPMYF**
- 3) NQMPIN**
- 4) FYLMPI**

Correct Answer: NIPMQN

QID : 25 - In a certain code language, "CAGES" is written as "NADYB" and "SILVER" is written as "LZRIGR". How is "WATER" written in that code language?

Options:

- 1) MAQYV**
- 2) SGWEB**
- 3) QCPVR**
- 4) VYQAM**

Correct Answer: MAQYV

QID : 26 - If "B" denotes "multiplied by", "C" denotes "subtracted from", "A" denotes "added to" and "D" denotes "divided by", then which of the following equation is true?

Options:

- 1) $24 \text{ D } 12 \text{ B } 3 \text{ A } 12 = 18$**
- 2) $36 \text{ D } 6 \text{ B } 3 \text{ A } 2 = 74$**
- 3) $42 \text{ A } 7 \text{ B } 2 \text{ D } 2 = 35$**
- 4) $56 \text{ D } 14 \text{ B } 2 \text{ C } 4 = 12$**

Correct Answer: $24 \text{ D } 12 \text{ B } 3 \text{ A } 12 = 18$

QID : 27 - If "-" denotes "divided by", "+" denotes "subtracted from", "x" denotes "added to" and "÷" denotes "multiplied by", then

$4 \div 16 \times 5 + 4 - 2 = ?$

Options:

1) 2

2) 43

3) 22

4) 67

Correct Answer: 67

QID : 28 - If $38 \# 49 = 24$ and $96 \# 51 = 21$, then $87 \# 78 = ?$

Options:

1) 26

2) 21

3) 28

4) 30

Correct Answer: 30

QID : 29 - If $27 * 4 = 77$ and $31 * 9 = 239$, then $21 * 6 = ?$

Options:

1) 94

2) 107

3) 99

4) 106

Correct Answer: 99

QID : 30 -

In the following question, select the number which can be placed at the sign of question mark (?) from the given alternatives.

निम्नलिखित प्रश्न में दिए गए विकल्पों में से प्रश्न चिन्ह (?) के स्थान पर आने वाली संख्या को चुनिए।

12	3
4	2

8	4
1	9

8	6
3	?

Options:

- 1) 1
- 2) 2
- 3) 4
- 4) 12

Correct Answer: 2

QID : 31 -

Options:

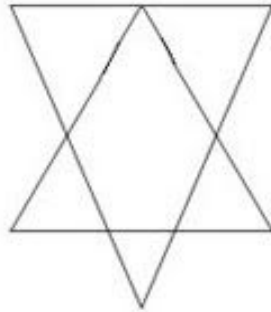
- 1) 12
- 2) 24
- 3) 26
- 4) 29

Correct Answer: 29

QID : 32 -

How many triangles are there in the given figure?

दी गई आकृति में कितने त्रिभुज हैं?



Options:

1) 6

2) 7

3) 8

4) 10

Correct Answer: 7

QID : 33 -

Options:

1) 10

2) 11

3) 12

4) 14

Correct Answer: 11

QID : 34 - In each of the following question below are given some statements followed by some conclusions. 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 cups are plate.

II. All plates are spoons.

Conclusions:

I. Some cups are spoons.

II. Some spoons are plates.

III. Some plates are spoons.

Options:

1) Only conclusion (II) follows

2) Only conclusion (III) follows

3) Only conclusion (I) and (III) follow

4) Only conclusion (II) and (III) follow

Correct Answer: Only conclusion (II) and (III) follow

QID : 35 - In each of the following question below are given some statements followed by some conclusions. 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. All men are hardworking.

II. No advocate is hardworking.

III. Some beautiful are men.

Conclusions:

I. Some beautiful are hardworking.

II. Some advocates are not beautiful.

III. Some beautiful are not advocate.

Options:

- 1) Only conclusion (III) follow
- 2) Only conclusion (I) and (III) follow
- 3) Only conclusion (II) and (III) follow
- 4) Only conclusion (I) and (II) follow

Correct Answer: Only conclusion (I) and (III) follow

QID : 36 -

Options:

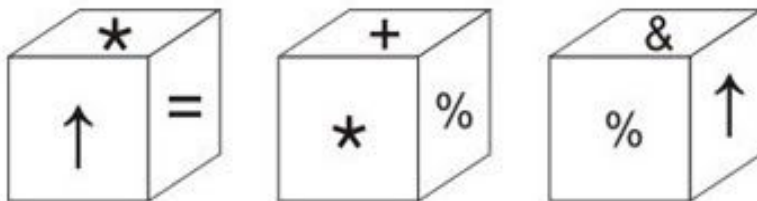
- 1) 4 or 5
- 2) 5
- 3) 4
- 4) 3

Correct Answer: 5

QID : 37 -

Three positions of a cube are shown below. What will come opposite to face containing '*'?

नीचे एक घन की तीन अवस्थाएँ दर्शायी गयी हैं। '*' युक्त फलक के विपरीत क्या आयेगा?



Options:

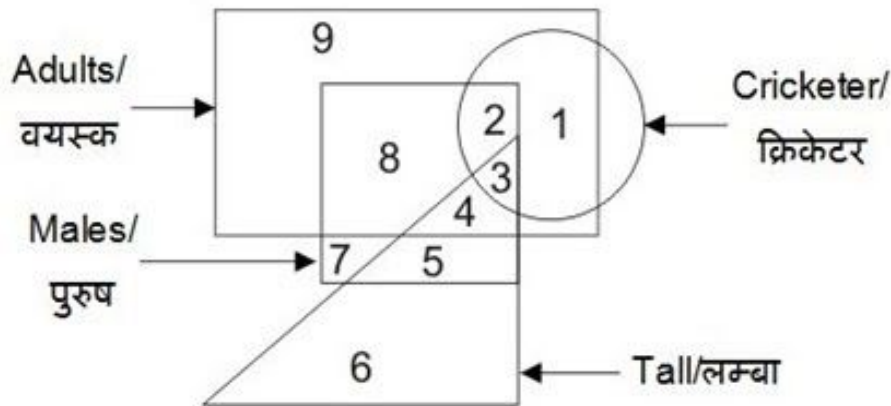
- 1) ↑
- 2) %
- 3) +
- 4) &

Correct Answer: &

QID : 38 -

In the given figure, which number represents male cricketers who are adults but are not tall?

दी गई आकृति में, कौन सा अंक ऐसे पुरुष क्रिकेटर जो वयस्क हैं लेकिन लम्बे नहीं हैं, को दर्शाता है?



Options:

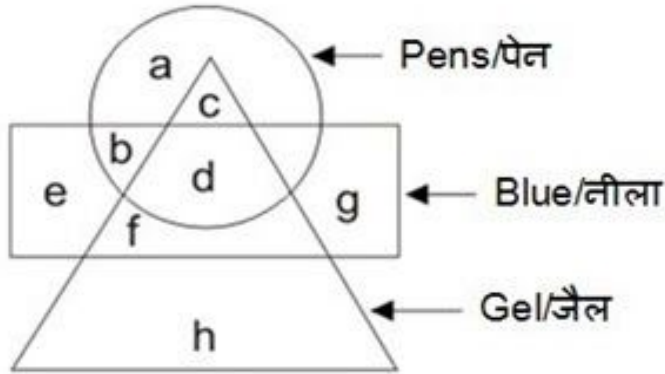
- 1) 3
- 2) 2
- 3) 8
- 4) 4

Correct Answer: 2

QID : 39 -

In the given figure, which alphabet represents gel pens which are not blue?

दी गई आकृति में, कौन सा अक्षर ऐसे जैल पेन जो नीले नहीं हैं, को दर्शाता है?



Options:

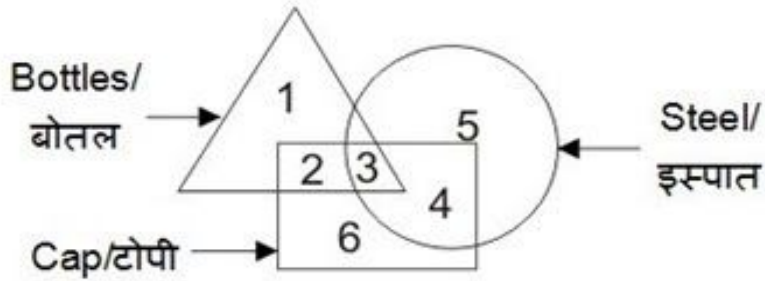
- 1) c
- 2) d
- 3) h
- 4) b

Correct Answer: c

QID : 40 -

In the given figure, which number represents steel bottles which are caps?

दी गई आकृति में, कौन सा अंक ऐसी इस्पात बोटलें जो टोपियाँ हैं, को दर्शाता है?



Options:

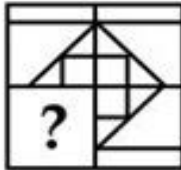
- 1) 2
- 2) 4
- 3) 3
- 4) 6

Correct Answer: 3

QID : 41 -

Which answer figure will complete the pattern in the question figure?

कौन सी उत्तर आकृति प्रश्न आकृति के प्रतिरूप को पूरा करेगी?



Options:

1)



2)



3)



4)



Correct Answer:



QID : 42 -

Which answer figure will complete the pattern in the question figure?

कौन सी उत्तर आकृति प्रश्न आकृति के प्रतिरूप को पूरा करेगी?



Options:

1)



2)



3)



4)



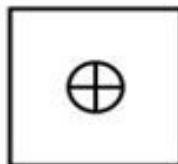
Correct Answer:



QID : 43 -

From the given answer figures, select the one in which the question figure is hidden/embedded.

दी गई उत्तर आकृतियों में से उस उत्तर आकृति को चुनिए जिस में प्रश्न आकृति निहित है।



Options:

1)



2)



3)



4)



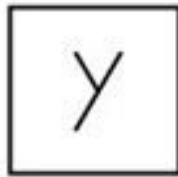
Correct Answer:



QID : 44 -

From the given answer figures, select the one in which the question figure is hidden/embedded.

दी गई उत्तर आकृतियों में से उस उत्तर आकृति को चुनिए जिस में प्रश्न आकृति निहित है।

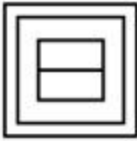


Options:

1)



2)



3)



4)



Correct Answer:



QID : 45 -

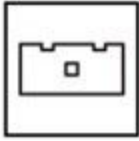
A piece of paper is folded and punched as shown below in the question figures. From the given answer figures, indicate how it will appear when opened?

नीचे के प्रश्न आकृतियों में दिखाए अनुसार कागज को मोड़कर छेदने तथा खोलने के बाद वह किस उत्तर आकृति जैसा दिखाई देगा?

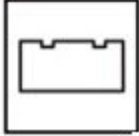


Options:

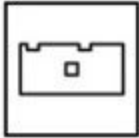
1)



2)



3)



4)



Correct Answer



QID : 46 -

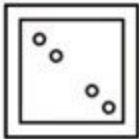
A piece of paper is folded and punched as shown below in the question figures. From the given answer figures, indicate how it will appear when opened?

नीचे के प्रश्न आकृतियों में दिखाए अनुसार कागज को मोड़कर छेदने तथा खोलने के बाद वह किस उत्तर आकृति जैसा दिखाई देगा?

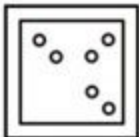


Options:

1)



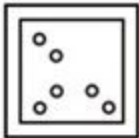
2)



3)



4)

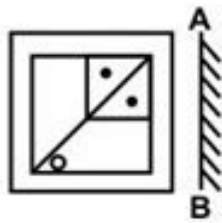


Correct Answer: [No Correct Answer]

QID : 47 -

If a mirror is placed on the line AB, then which of the answer figures is the right image of the given figure?

यदि एक दर्पण को AB रेखा पर रखा जाए, तो दी गई उत्तर आकृतियों में से कौन सी आकृति प्रश्न आकृति की सही प्रतिबिम्ब होगी?



Options:

1)



2)



3)



4)



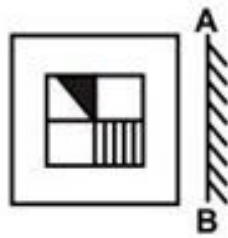
Correct Answer:



QID : 48 -

If a mirror is placed on the line AB, then which of the answer figures is the right image of the given figure?

यदि एक दर्पण को AB रेखा पर रखा जाए, तो दी गई उत्तर आकृतियों में से कौन सी आकृति प्रश्न आकृति की सही प्रतिबिम्ब होगी?



Options:

1)



2)



3)



4)



Correct Answer:



QID : 49 -

A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as shown in the given two matrices. The columns and rows of **Matrix-I** are numbered from 0 to 4 and that of **Matrix-II** are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, for example, 'D' can be represented by 11, 42, etc., and 'I' can be represented by 68, 99, etc. Similarly, you have to identify the set for the word "NOSE".

एक शब्द केवल एक संख्या-समूह द्वारा दर्शाया गया है, जैसा कि विकल्पों में से किसी एक में दिया गया है। विकल्पों में दिए गए संख्या-समूह अक्षरों के दो वर्गों द्वारा दर्शाए गए हैं, जैसा कि दिए गए दो आव्यूहों में है। **आव्यूह-I** के स्तम्भ और पंक्ति की संख्या 0 से 4 है और **आव्यूह-II** की 5 से 9। इन आव्यूहों से एक अक्षर को पहले उसकी पंक्ति और बाद में स्तम्भ संख्या द्वारा दर्शाया जा सकता है। उदाहरण के लिए 'D' को 11, 42, आदि द्वारा दर्शाया जा सकता है तथा 'I' को 68, 99, आदि द्वारा दर्शाया जा सकता है। इसी तरह से आपको प्रश्न में दिए शब्द "NOSE" के लिए समूह को पहचानना है।

Matrix-I
आव्यूह-I

	0	1	2	3	4
0	L	A	N	O	D
1	O	D	L	A	N
2	A	N	O	D	L
3	D	L	A	N	O
4	N	O	D	L	A

Matrix-II
आव्यूह-II

	5	6	7	8	9
5	E	I	C	P	S
6	P	S	E	I	C
7	I	C	P	S	E
8	S	E	I	C	P
9	C	P	S	E	I

Options:

- 1) 21, 10, 78, 98
- 2) 13, 22, 66, 56
- 3) 02, 34, 59, 68
- 4) 41, 42, 85, 86

Correct Answer: 21, 10, 78, 98

A word is represented by only one set of numbers as given in any one of the alternatives. The sets of numbers given in the alternatives are represented by two classes of alphabets as shown in the given two matrices. The columns and rows of **Matrix-I** are numbered from 0 to 4 and that of **Matrix-II** are numbered from 5 to 9. A letter from these matrices can be represented first by its row and next by its column, for example, 'S' can be represented by 10, 34, etc., and 'Y' can be represented by 57, 95, etc. Similarly, you have to identify the set for the word "PARK".

एक शब्द केवल एक संख्या-समूह द्वारा दर्शाया गया है, जैसा कि विकल्पों में से किसी एक में दिया गया है। विकल्पों में दिए गए संख्या-समूह अक्षरों के दो वर्गों द्वारा दर्शाए गए हैं, जैसा कि दिए गए दो आव्यूहों में है। **आव्यूह-I** के स्तम्भ और पंक्ति की संख्या 0 से 4 है और **आव्यूह-II** की 5 से 9। इन आव्यूहों से एक अक्षर को पहले उसकी पंक्ति और बाद में स्तम्भ संख्या द्वारा दर्शाया जा सकता है। उदाहरण के लिए 'S' को 10, 34, आदि द्वारा दर्शाया जा सकता है तथा 'Y' को 57, 95, आदि द्वारा दर्शाया जा सकता है। इसी तरह से आपको प्रश्न में दिए शब्द "PARK" के लिए समूह को पहचानना है।

		Matrix-I				
		आव्यूह-I				
		0	1	2	3	4
0	P	T	A	S	E	
1	S	E	P	T	A	
2	T	A	S	E	P	
3	E	P	T	A	S	
4	A	S	E	P	T	

		Matrix-II				
		आव्यूह-II				
		5	6	7	8	9
5	K	I	Y	C	R	
6	C	R	K	I	Y	
7	I	Y	C	R	K	
8	R	K	I	Y	C	
9	Y	C	R	K	I	

Options:

- 1) 13, 14, 85, 55
- 2) 31, 02, 78, 98
- 3) 23, 22, 66, 67
- 4) 00, 40, 59, 78

Correct Answer: 31, 02, 78, 98