

SSC CGL 2017 EXAM PAPER : Held on 09-AUG-2017
Shift-1
(Reasoning)

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

Kilometre : Metre :: Tonne : ?

Options:

- 1) Litre
- 2) Kilogram
- 3) Hours
- 4) Weight

Correct Answer: Kilogram

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

AGN : IOV :: BLM : ?

Options:

- 1) JTV
- 2) KTU
- 3) JUV
- 4) TUJ

Correct Answer: JTV

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

9143 : 9963 :: 6731 : ?

Options:

- 1) 1368
- 2) 5666
- 3) 8964
- 4) 9694

Correct Answer: 8964

QID : 4 - In the following question, select the odd word from the given alternatives.

Options:

- 1) Chennai
- 2) Daman
- 3) Raipur
- 4) Shimla

Correct Answer: Daman

QID : 5 - In the following question, select the odd letter from the given alternatives.

Options:

- 1) B
- 2) N
- 3) P
- 4) W

Correct Answer: W \

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

Options:

- 1) 313
- 2) 426
- 3) 925
- 4) 1034

Correct Answer: 313

QID : 7 - Arrange the given words in the sequence in which they occur in the dictionary.

1. Ball
2. Balanced
3. Balls
4. Balance
5. Balancing

Options:

- 1) 24135
- 2) 42135
- 3) 42513
- 4) 54213

Correct Answer: 42513

QID : 8 - A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

AG, LR, WC, HN, ?

Options:

- 1) QY
- 2) RX
- 3) SY
- 4) TZ

Correct Answer: SY

QID : 9 - In the following question, select the missing number from the given series.

13, 16, 11, 18, 9, 20, ?

Options:

- 1) 3
- 2) 5
- 3) 6
- 4) 7

Correct Answer: 7

QID : 10 - Punit said to a lady, "The sister of your father's wife is my aunt". How is the lady related to Punit?

Options:

- 1) Daughter
- 2) Grand Daughter
- 3) Niece
- 4) Cousin sister

Correct Answer: Cousin sister

QID : 11 - There are 45 trees in a row. The lemon tree is 20th from right end. What is the rank of lemon tree from left end?

Options:

- 1) 26
- 2) 24
- 3) 25
- 4) 27

Correct Answer: 26

QID : 12 - In the following question, from the given alternative words, select the word which cannot be formed using the letters of the given word.

UNIFORMITY

Options:

- 1) ANNUITY
- 2) FORUM
- 3) MINT
- 4) UNIFORM

Correct Answer: ANNUITY

QID : 13 - In a certain code language, "TIRED" is written as "56" and "BRAIN" is written as "44". How is "LAZY" written in that code language?

Options:

- 1) 64
- 2) 61
- 3) 58
- 4) 43

Correct Answer: 64

QID : 14 - In the following question, by using which mathematical operator will the expression become correct?

$$18 \ ? \ 6 \ ? \ 9 \ ? \ 27$$

Options:

- 1) \times , \div and $=$
- 2) \div , \times and $=$
- 3) \times , $+$ and $=$
- 4) $+$, $-$ and $=$

Correct Answer: \div , \times and $=$

QID : 15 - If $18 (9) 3$ and $36 (30) 5$, then what is the value of A in $19 (A) 18$?

Options:

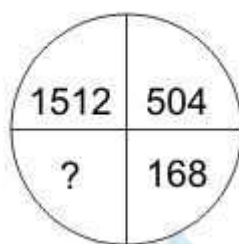
- 1) 33
- 2) 57
- 3) 75
- 4) 96

Correct Answer: 57

QID : 16 -

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 चिह्न (?) के स्थान पर आने वाली संख्या को चुनिए।



Options:

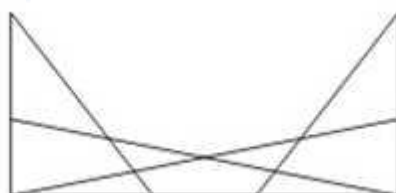
- 1) 53
- 2) 56
- 3) 59
- 4) 66

Correct Answer: 56

QID : 17 -

How many triangles are there in the given figure?

नीचे दी गई आकृति में कितने त्रिभुज हैं?



Options:

- 1) 14

2) 15

3) 17

4) 18

Correct Answer: 17

QID : 18 - In 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. Some pens are pencils.

II. All pencils are erasers.

Conclusions:

I. Some pencils are not pens.

II. Some erasers are not pens.

Options:

1) Only conclusion (I) follows.

2) Only conclusion (II) follows.

3) Neither conclusion (I) nor conclusion (II) follows.

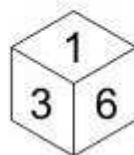
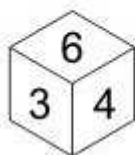
4) Both conclusions follow.

Correct Answer: Neither conclusion (I) nor conclusion (II) follows.

QID : 19 -

Three positions of a cube are shown below. What will come opposite to face containing '4'?

नीचे एक घन की तीन अवस्थाएँ दर्शायी गयी हैं। अंक '4' के विपरीत फलक पर कौन सा अंक आयेगा?



Options:

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

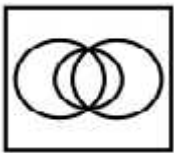
Correct Answer: 1

QID : 20 - Identify the diagram that best represents the relationship among the given classes.

Music Instrument, Piano, Guitar

Options:

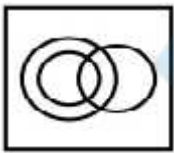
1)



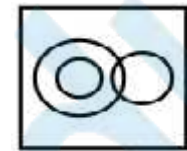
2)



3)



4)

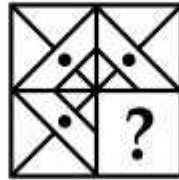


Correct Answer:

QID : 21 -

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

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

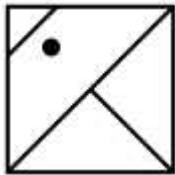


Options:

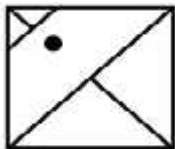
1)



2)



3)



4)



Correct Answer:

QID : 22 -

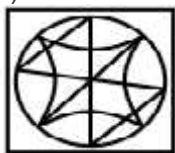
From the given answer figures, select the one in which the question figure is hidden/embedded.

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



Options:

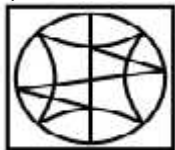
1)



2)



3)



4)



Correct Answer:

QID : 23 -

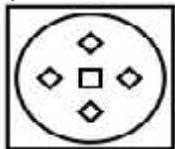
A piece of paper is folded and punched as shown below in the question figures. From the given answer figures, indicate how it will appear when opened?

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

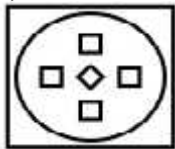


Options:

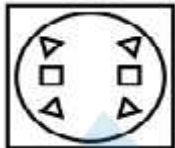
1)



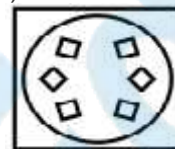
2)



3)



4)

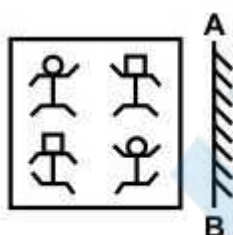


Correct Answer:

QID : 24 -

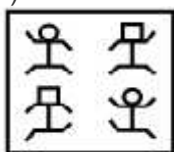
If a mirror is placed on the line AB, then which of the answer figure is the right image of the given figure?

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?

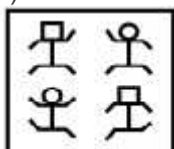


Options:

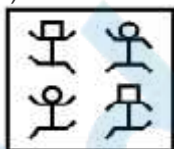
1)



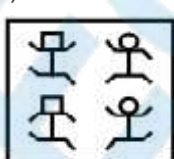
2)



3)



4)



Correct Answer:

QID : 25 -

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, 'K' can be represented by **10, 31**, etc., and 'M' can be represented by **76, 87**, etc. Similarly, you have to identify the set for the word "**SCAM**".

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 नीचे दिए गए दो आव्यूहों में है। **आव्यूह-I** के स्तम्भ और पंक्ति की संख्या 0 से 4 दी गई है, और **आव्यूह-II** की 5 से 9। इन आव्यूहों से एक अक्षर को पहले उसकी पंक्ति और बाद में स्तम्भ संख्या द्वारा दर्शाया गया है। उदाहरण के लिए 'K' को **10, 31**, आदि द्वारा दर्शाया जा सकता है तथा 'M' को **76, 87**, आदि द्वारा दर्शाया जा सकता है। इसी तरह से आपको प्रश्न में दिए गए शब्द "**SCAM**" के लिए समूह को पहचानना है।

Matrix-I
आव्यूह-I

	0	1	2	3	4
0	S	P	K	N	C
1	K	S	C	P	N
2	P	C	N	S	K
3	N	K	S	C	P
4	C	N	P	K	S

Matrix-II
आव्यूह-II

	5	6	7	8	9
5	I	R	A	J	M
6	A	J	I	M	R
7	J	M	R	A	I
8	R	A	M	I	J
9	M	I	J	R	A

Options:

- 1) 00, 13, 57, 76
- 2) 11, 04, 86, 59
- 3) 23, 22, 99, 95

4) 32, 40, 66, 68

Correct Answer: 11, 04, 86, 59

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SSC CGL 2017 EXAM PAPER : Held on 08-AUG-2017
Shift-1
(General Awareness)

QID : 26 - Which one of the following is a component of Food Security System?

Options:

- 1) Buffer stock
- 2) Minimum support price
- 3) Fair price shops
- 4) Mid day meals

Correct Answer: Buffer stock

QID : 27 - What is the accepted average Calorie requirement for rural area in India?

Options:

- 1) 2100
- 2) 2200
- 3) 2300
- 4) 2400

Correct Answer: 2400

QID : 28 - Whose recommendation is mandatory to impeach the President of India from his office before the completion of his/her term?

Options:

- 1) The Prime Minister
- 2) The Speaker of the Lok Sabha
- 3) The Chief Justice of India
- 4) The two houses of the parliament

Correct Answer: The two houses of the parliament

QID : 29 - How many types of writ are there in the Indian Constitution?

Options:

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

Correct Answer: 5

QID : 30 - Who has built the Vijay Stambha (Tower of Victory) in Chittorgarh?

Options:

- 1) Maharana Pratap
- 2) Rana Kumbha
- 3) Rana Sanga
- 4) Kunwar Durjan Singh

Correct Answer: Rana Kumbha

QID : 31 - Who raised the slogan "Swaraj is my birthright and I shall have it"?

Options:

- 1) Mahatma Gandhi
- 2) Subhash Chandra Bose
- 3) Bal Gangadhar Tilak
- 4) Lala Lajpat Rai

Correct Answer: Bal Gangadhar Tilak

QID : 32 - Which Indian state is the largest in terms of the total area covered ?

Options:

- 1) Maharashtra
- 2) Madhya Pradesh

- 3) Rajasthan
- 4) Tamil Nadu

Correct Answer: Rajasthan

QID : 33 - Which Indian state has the longest Coastline?

Options:

- 1) Kerala
- 2) Gujarat
- 3) Andhra Pradesh
- 4) Tamil Nadu

Correct Answer: Gujarat

QID : 34 - Auxiliary bud develops into which of the following part of the plant?

Options:

- 1) Fruit
- 2) Leaf
- 3) Branch
- 4) Roots

Correct Answer: Branch

QID : 35 - Xylem helps in transportation of which of the following?

Options:

- 1) Food
- 2) Water
- 3) Nutrients
- 4) Both food and water

Correct Answer: Water

QID : 36 - Who proposed five kingdom classification?

Options:

- 1) Ernst Mayr
- 2) R. H. Whittaker
- 3) M. W. Beijerinck
- 4) D. I. Ivanovsky

Correct Answer: R. H. Whittaker

QID : 37 - What is the other name of Galileo's law of falling bodies?

Options:

- 1) Law of motion
- 2) Newton's first law
- 3) Newton's second law
- 4) Newton's third law

Correct Answer: Newton's first law

QID : 38 - Which of the following device is best suited for measuring the temperature inside metallurgical furnaces?

Options:

- 1) Pyrometer
- 2) Thermocouple
- 3) Thermometer
- 4) Thermistor

Correct Answer: Pyrometer

QID : 39 - What is the full form of 'LAN'?

Options:

- 1) Line Area Network
- 2) Linear Area Network
- 3) Local Area Network
- 4) Land Area Network

Correct Answer: Local Area Network

QID : 40 - Which acid is released when an Ant bites?

Options:

- 1) Hydrochloric Acid
- 2) Formic Acid
- 3) Acetic Acid
- 4) Phosphoric Acid

Correct Answer: Formic Acid

QID : 41 - Which among the following is an example of solid sol?

Options:

- 1) Milk of magnesia

- 2) Foam
- 3) Coloured gemstones
- 4) Rubber

Correct Answer: Coloured gemstones

QID : 42 - Which metal is responsible for Itai-Itai disease?

Options:

- 1) Cadmium
- 2) Nickel
- 3) Chromium
- 4) Mercury

Correct Answer: Cadmium

QID : 43 - 'Vikalp' is a scheme launched by Indian Railways to help wait-listed passengers. Which of the following is NOT true about this scheme?

Options:

- 1) Confirmed berths in alternate trains.
- 2) No-extra charges will be taken from passengers.
- 3) Wait-listed passengers can avail opportunity of travelling in Rajdhani/Shatabdi/Special trains even when booking made is in other mail/express trains.
- 4) Vikalp scheme will be initially available for e-tickets only.

Correct Answer: Confirmed berths in alternate trains.

QID : 44 - Who discovered the Cholera causing germ?

Options:

- 1) Filippo Pacini
- 2) Robert Koch
- 3) M. Laveran
- 4) Felix Hoffman

Correct Answer: Filippo Pacini

QID : 45 -

Match the following.

निम्नलिखित का मिलान कीजिए।

Player / खिलाड़ी	Sport / खेल
1. Mithali Raj मिताली राज	a. Hockey हॉकी
2. Poonam Rani पूनम रानी	b. 3000 m Steeplechases 3000 मी. लम्बी बाधा दौड़
3. Lalita Babar ललिता बाबर	c. Cricket क्रिकेट

Options:

- 1) 1-c, 2-b, 3-a
- 2) 1-a, 2-b, 3-c
- 3) 1-a, 2-c, 3-b
- 4) 1-c, 2-a, 3-b

Correct Answer: 1-c, 2-a, 3-b

QID : 46 - 'Hunar Haat' an exhibition to exhibit and promote the arts and artisans from minority community was launched at which of the following events?

Options:

- 1) Pushkar Fair, 2016
- 2) IITF, New Delhi, 2016
- 3) Suraj Kund Craft Mela, 2017
- 4) Kumbh Mela, 2015

Correct Answer: IITF, New Delhi, 2016

QID : 47 - Which movie won the award for the best movie at the Oscar Awards 2017?

Options:

- 1) La La Land
- 2) Arrival
- 3) Moonlight
- 4) Manchester by the Sea

Correct Answer: Moonlight

QID : 48 - Who is the author of the book titled 'Citizen and Society'?

Options:

- 1) Pranab Mukherjee
- 2) Hamid Ansari
- 3) Nandan Nilekani
- 4) Satyajit Ray

Correct Answer: Hamid Ansari

QID : 49 - With which country India has recently signed a MoU for Water Conservation in India?

Options:

- 1) France
- 2) Germany
- 3) Israel
- 4) Bangladesh

Correct Answer: Israel

QID : 50 - Which among the following neighbouring country of India is the largest producer of Opium in the World?

Options:

- 1) Pakistan
- 2) Afghanistan
- 3) Sri Lanka
- 4) Maldives

Correct Answer: Afghanistan

SSC CGL 2017 EXAM PAPER : Held on 08-AUG-2017
Shift-1
(Mathematics)

QID : 51 - How many numbers are there from 300 to 650 which are completely divisible by both 5 and 7?

Options:

- 1) 8
- 2) 9
- 3) 10
- 4) 12

Correct Answer: 10

QID : 52 - Raman can do a work in 5 days, Jatin can do the same work in 7 days and Sachin can do the same work in 9 days. If they do the same work together and they are paid Rs 2860, then what is the share (in Rs) of Raman?

Options:

- 1) 1260
- 2) 700
- 3) 900
- 4) 870

Correct Answer: 1260

QID : 53 - If the diameter of a sphere is 14 cm, then what is the surface area (in cm^2) of the sphere?

Options:

- 1) 616
- 2) 308
- 3) 462
- 4) 636

Correct Answer: 616

QID : 54 - After two successive discounts of 20% and 35%, an article is sold for Rs 50700. What is the marked price (in Rs) of the article?

Options:

- 1) 92500
- 2) 98500
- 3) 97500
- 4) 94000

Correct Answer: 97500

QID : 55 - Rs 3200 is divided among A, B and C in the ratio of 3 : 5 : 8 respectively. What is the difference (in Rs) between the share of B and C?

Options:

- 1) 400
- 2) 600
- 3) 800
- 4) 900

Correct Answer: 600

QID : 56 - The average of 5 members of a family is 24 years. If the youngest member is 8 years old, then what was the average age (in years) of the family at the time of the birth of the youngest member?

Options:

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

4) 32

Correct Answer: 20

QID : 57 - If the price of pen decreases by 20%, then a man can buy 10 more pens for Rs 100. What is the new price (in Rs) of each pen?

Options:

1) 1

2) 2

3) 4

4) 5

Correct Answer: 2

QID : 58 - After deducting 60% from a certain number and then deducting 15% from the remainder, 1428 is left. What was the initial number?

Options:

1) 4200

2) 3962

3) 4150

4) 4300

Correct Answer: 4200

QID : 59 - A train travels 40% faster than a car. Both start from point A at the same time and reach point B, 140 km away at the same time. On the way the train takes 25 minutes for stopping at the stations. What is the speed (in km/hr) of the train?

Options:

1) 67

2) 134.4

3) 145.9

4) 160

Correct Answer: 134.4

QID : 60 - A certain sum of money triples itself in 5 years at simple interest. In how many years it will be five times?

Options:

- 1) 5
- 2) 8
- 3) 10
- 4) 15

Correct Answer: 10

QID : 61 - If $x + (1/x) = 2$, then what is the value of $x^{64} + x^{121}$?

Options:

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

Correct Answer: 0

QID : 62 -

If $x = 6 + 2\sqrt{6}$, then what is the value of $\sqrt{x-1} + \frac{1}{\sqrt{x-1}}$?

यदि $x = 6 + 2\sqrt{6}$, तो $\sqrt{x-1} + \frac{1}{\sqrt{x-1}}$ का मान क्या है?

Options:

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

Correct Answer: $2\sqrt{3}$

QID : 63 - If $a + b + c = 27$, then what is the value of $(a - 7)^3 + (b - 9)^3 + (c - 11)^3 - 3(a - 7)(b - 9)(c - 11)$?

Options:

- 1) 0

2) 9

3) 27

4) 81

Correct Answer: 0

QID : 64 -

If $x = \frac{2\sqrt{15}}{\sqrt{3} + \sqrt{5}}$, then what is the value of $\frac{x + \sqrt{5}}{x - \sqrt{5}} + \frac{x + \sqrt{3}}{x - \sqrt{3}}$?

यदि $x = \frac{2\sqrt{15}}{\sqrt{3} + \sqrt{5}}$, तो $\frac{x + \sqrt{5}}{x - \sqrt{5}} + \frac{x + \sqrt{3}}{x - \sqrt{3}}$ का मान क्या है?

Options:

1) $\sqrt{5}$

2) $\sqrt{3}$

3) $\sqrt{15}$

4) 2

Correct Answer: 2

QID : 65 - The perimeter of an isosceles triangle is 32 cm and each of the equal sides is $\frac{5}{6}$ times of the base. What is the area (in cm²) of the triangle ?

Options:

1) 39

2) 48

3) 57

4) 64

Correct Answer: 48

QID : 66 - If length of each side of a rhombus PQRS is 8 cm and $\angle PQR = 120^\circ$, then what is the length (in cm) of QS?

Options:

1) $4\sqrt{5}$

2) 6

3) 8

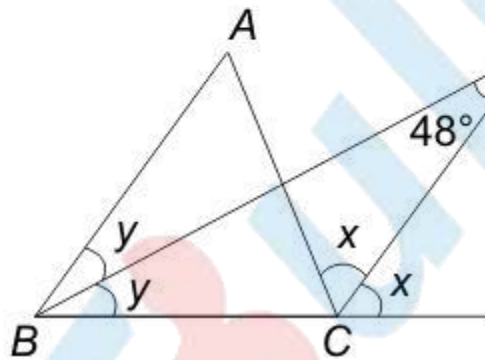
4) 12

Correct Answer: 8

QID : 67 -

In the given figure, ABC is a triangle. The bisectors of internal $\angle B$ and external $\angle C$ intersect at D . If $\angle BDC = 48^\circ$, then what is the value (in degrees) of $\angle A$?

दी गई आकृति में, ABC एक त्रिभुज है। $\angle B$ तथा बाह्य $\angle C$ का द्विभाजक बिंदु D पर प्रतिच्छेद करता है। यदि $\angle BDC = 48^\circ$ है, तो $\angle A$ का मान (डिग्री में) क्या है?



Options:

1) 48

2) 96

3) 100

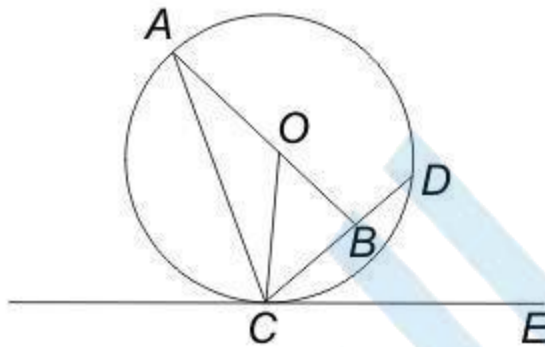
4) 114

Correct Answer: 96

QID : 68 -

In the given figure, O is the centre of the circle and $\angle DCE = 45^\circ$. If $CD = 10\sqrt{2}$ cm, then what is the length (in cm) of $AC \cdot CB = BD$

दी गई आकृति में, O वृत्त का केंद्र है, तथा $\angle DCE = 45^\circ$ है। यदि $CD = 10\sqrt{2}$ से.मी. है, तो AC की लम्बाई (से.मी. में) क्या है? $CB = BD$



Options:

- 1) 14
- 2) 15.5
- 3) 18.5
- 4) 20

Correct Answer: 18.5

QID : 69 -

What is the simplified value of $\frac{\sin 2A}{1 + \cos 2A}$?

$\frac{\sin 2A}{1 + \cos 2A}$ का सरलीकृत मान क्या है?

Options:

- 1) $\tan A$

2) $\cot A$

3) $\sin A$

4) $\cos A$

Correct Answer: $\tan A$

QID : 70 -

What is the simplified value of $\left(\frac{\sec A}{\cot A + \tan A}\right)^2$?

$\left(\frac{\sec A}{\cot A + \tan A}\right)^2$ का सरलीकृत मान क्या है?

Options:

1) $1 - \cos^2 A$

2) $2\sin^2 A$

3) $\sec^2 A$

4) $\operatorname{cosec}^2 A$

Correct Answer: $1 - \cos^2 A$

QID : 71 - What is the simplified value of $1 + \tan A \tan (A/2)$?

Options:

1) $\sin A/2$

2) $\cos A$

3) $\sec A$

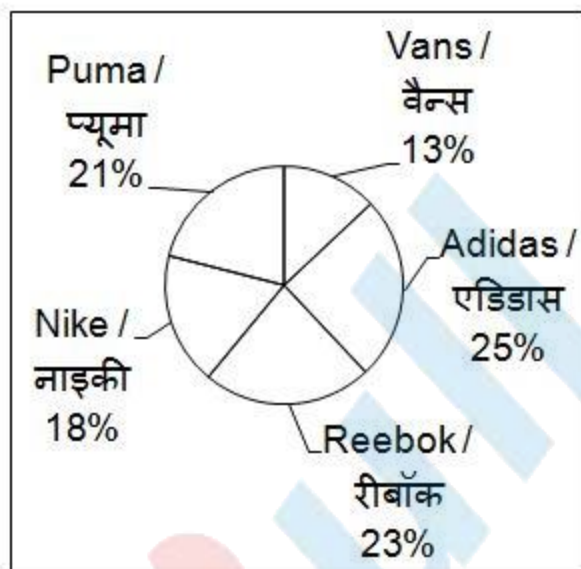
4) $\sin A$

Correct Answer: $\sec A$

QID : 72 -

The pie chart given below shows the number of shoes of 5 different brands in a multi brand store. There are total 1200 shoes.

नीचे दिए गए वृत्त चित्र में एक बहुब्राण्ड दुकान पर 5 विभिन्न ब्राण्डों के जूतों की संख्या को दर्शाया गया है। यहाँ कुल 1200 जूते हैं।



How many shoes are there of Reebok brand?

Options:

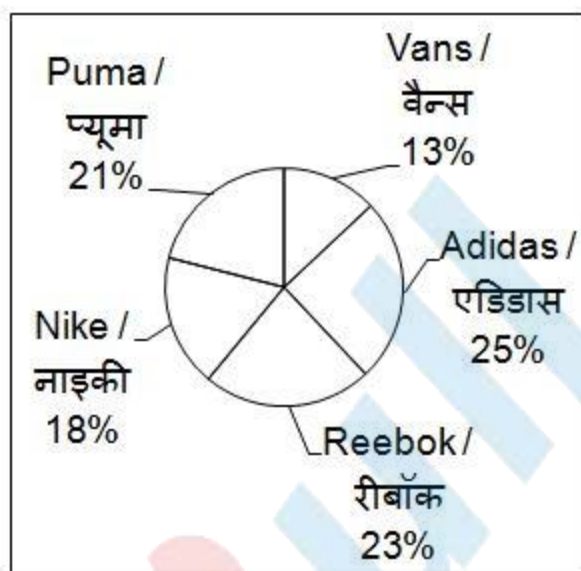
- 1) 230
- 2) 276
- 3) 286
- 4) 216

Correct Answer: 276

QID : 73 -

The pie chart given below shows the number of shoes of 5 different brands in a multi brand store. There are total 1200 shoes.

नीचे दिए गए वृत्त चित्र में एक बहुब्राण्ड दुकान पर 5 विभिन्न ब्राण्डों के जूतों की संख्या को दर्शाया गया है। यहाँ कुल 1200 जूते हैं।



What is the difference in number of shoes of Puma and Vans?

Options:

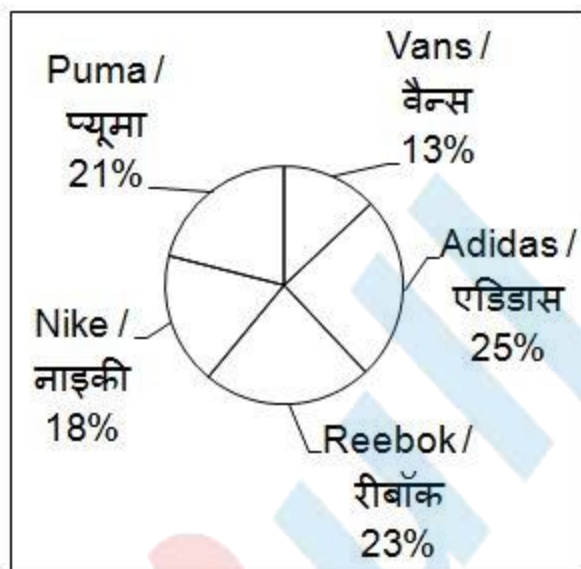
- 1) 96
- 2) 156
- 3) 84
- 4) 112

Correct Answer: 96

QID : 74 -

The pie chart given below shows the number of shoes of 5 different brands in a multi brand store. There are total 1200 shoes.

नीचे दिए गए वृत्त चित्र में एक बहुब्राण्ड दुकान पर 5 विभिन्न ब्राण्डों के जूतों की संख्या को दर्शाया गया है। यहाँ कुल 1200 जूते हैं।



The difference between the number of shoes of Reebok and Nike is same as the difference between which of the following two brands?

Options:

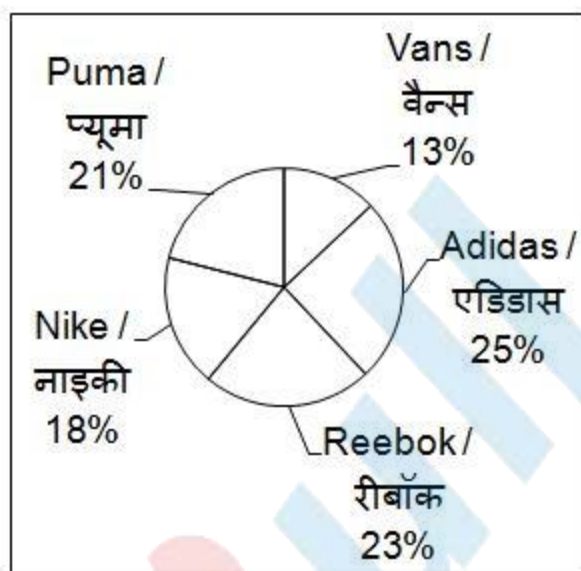
- 1) Puma and Adidas
- 2) Reebok and Adidas
- 3) Vans and Nike
- 4) Nike and Adidas

Correct Answer: Vans and Nike

QID : 75 -

The pie chart given below shows the number of shoes of 5 different brands in a multi brand store. There are total 1200 shoes.

नीचे दिए गए वृत्त चित्र में एक बहुब्राण्ड दुकान पर 5 विभिन्न ब्राण्डों के जूतों की संख्या को दर्शाया गया है। यहाँ कुल 1200 जूते हैं।



Puma shoes are how much percent more than the Nike Shoes?

Options:

- 1) 14.28
- 2) 16.66
- 3) 25
- 4) 21.33

Correct Answer: 16.66

SSC CGL 2017 EXAM PAPER : Held on 08-AUG-2017
Shift-1
(English Comprehension)

QID : 76 - In the following question, some part of the sentence may have errors. Find out which part of the sentence has an error and select the appropriate option. If a sentence is free from error, select 'No Error'.

No sooner did I come out of my home to go to market (1)/ when it started raining heavily (2)/ which drenched me completely. (3)/ No Error (4)

Options:

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

Correct Answer: 2

QID : 77 - In the following question, some part of the sentence may have errors. Find out which part of the sentence has an error and select the appropriate option. If a sentence is free from error, select 'No Error'.

Unless you don't obey (1)/ your elders you (2)/ will not succeed in your life. (3)/ No Error (4)

Options:

- 1) 1
- 2) 2

3) 3

4) 4

Correct Answer: 1

QID : 78 - In the following question, the sentence given with blank to be filled in with an appropriate word. Select the correct alternative out of the four and indicate it by selecting the appropriate option.
Fourteen kilometres _____ not a short distance, to reach to my office daily.

Options:

1) are

2) has

3) have

4) is

Correct Answer: is

QID : 79 - In the following question, the sentence given with blank to be filled in with an appropriate word. Select the correct alternative out of the four and indicate it by selecting the appropriate option.
Good reading _____ the sense of liberal educated mind.

Options:

1) beliefs

2) leads

3) reflects

4) starts

Correct Answer: reflects

QID : 80 - In the following question, out of the four alternatives, select the word similar in meaning to the word given.

Frivolous

Options:

1) Captious

2) Wise

3) Puerile

4) Spiritual

Correct Answer: Puerile

QID : 81 - In the following question, out of the four alternatives, select the word similar in meaning to the word given.

Petrify

Options:

- 1) Adorn
- 2) Calm
- 3) Curious
- 4) Harden

Correct Answer: Harden

QID : 82 - In the following question, out of the four alternatives, select the word opposite in meaning to the word given.

Gregarious

Options:

- 1) Affable
- 2) Genial
- 3) Introvert
- 4) Urbane

Correct Answer: Introvert

QID : 83 - In the following question, out of the four alternatives, select the word opposite in meaning to the word given.

Tremulous

Options:

- 1) Feeble
- 2) Frugal
- 3) Stable
- 4) Vital

Correct Answer: Stable

QID : 84 - In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase.

The alpha and the omega

Options:

- 1) Happy and sad
- 2) The beginning and the end
- 3) The love and the hatred
- 4) Truth and dare

Correct Answer: The beginning and the end

QID : 85 - In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase.

Throw up the sponge

Options:

- 1) To attack
- 2) To laugh at someone
- 3) To surrender
- 4) To talk loudly

Correct Answer: To surrender

QID : 86 - Improve the bracketed part of the sentence.

I had (a few) eggs in the fridge, so we need to go to the market to buy them.

Options:

- 1) a little
- 2) few
- 3) little
- 4) No improvement

Correct Answer: few

QID : 87 - Improve the bracketed part of the sentence.

My brother is indifferent (about) whatever I say.

Options:

- 1) in
- 2) of
- 3) to
- 4) No improvement

Correct Answer: to

QID : 88 - In the following question, out of the four alternatives, select the alternative which is the best substitute of the phrase.

A funeral poem

Options:

- 1) Elegy
- 2) Pandemonium

3) Parody

4) Sonnet

Correct Answer: Elegy

QID : 89 - In the following question, out of the four alternatives, select the alternative which is the best substitute of the phrase.

One who walks in sleep

Options:

1) Drover

2) Fastidious

3) Numismatist

4) Somnambulist

Correct Answer: Somnambulist

QID : 90 - In the following question, four words are given out of which one word is incorrectly spelt. Select the incorrectly spelt word.

Options:

1) Gaurantee

2) Itinerary

3) Magnificent

4) Writing

Correct Answer: Gaurantee

QID : 91 - In the following question, four words are given out of which one word is incorrectly spelt. Select the incorrectly spelt word.

Options:

1) Etiquete

2) Exquisite

3) Restaurant

4) Scavenger

Correct Answer: Etiquete

QID : 92 - The question below consists of a set of labelled sentences. These sentences, when properly sequenced form a coherent paragraph. Select the most logical order of sentences from among the options.

P-But he did not know how to find one at that hour.

Q-It was his first visit to the city and he didn't know where to go.

R-Mohanlal's train was late and it reached Kolkata a little after midnight.

S-He thought he would go to a choultry where he would not have to pay rent.

Options:

- 1) PSQR
- 2) QRSP
- 3) RQSP
- 4) RSQP

Correct Answer: RQSP

QID : 93 - The question below consists of a set of labelled sentences. These sentences, when properly sequenced form a coherent paragraph. Select the most logical order of sentences from among the options.

P-And slowly, you reach the pinnacle of self-awareness, experiencing a unity with all life.

Q-If you transform your energy positively, it naturally becomes compassion and love.

R-Once you experientially are a part of everything then nobody needs to teach you morality.

S-Then you can do something to improve the situation, but without anger.

Options:

- 1) PQRS
- 2) QPRS
- 3) RQPS
- 4) RSPQ

Correct Answer: QPRS

QID : 94 - In the following question, a sentence has been given in Active/Passive voice. Out of the four alternatives suggested, select the one which best expresses the same sentence in Passive/Active voice.

Ram was singing a beautiful song for his mother.

Options:

- 1) A beautiful song was being sung by Ram for his mother.
- 2) A beautiful song was sang by Ram for his mother.
- 3) A beautiful song was sung by Ram for his mother.
- 4) A beautiful song was sung for his mother by Ram.

Correct Answer: A beautiful song was being sung by Ram for his mother.

QID : 95 - In the following question, a sentence has been given in Direct/Indirect speech. Out of the four alternatives suggested, select the one which best expresses the same sentence in Indirect/Direct speech.

Priya advised me not to go to school the next day.

Options:

- 1) "Don't go to school next day" Priya said to me.
- 2) "Don't go to school tomorrow" Priya said to me.
- 3) Priya said, "Will you not go to school tomorrow?"
- 4) Priya told me that, "Don't go to school tomorrow."

Correct Answer: "Don't go to school tomorrow" Priya said to me.

QID : 96 - In the following passage, some of the words have been left out. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.

Job performance is _____ by a number of factors. Motivation alone does not lead to increased performance. Ability and technology moderates the relationship between motivation and performance. The higher the levels of ability and motivation the _____ the level of performance will be. However, increasing motivation beyond an _____ level tends to _____ a dysfunctional result because it is _____ by an increased level of anxiety.

Job performance is _____ by a number of factors. Motivation alone

Options:

- 1) affected
- 2) effected
- 3) influenced
- 4) measured

Correct Answer: affected

QID : 97 - In the following passage, some of the words have been left out. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.

Job performance is _____ by a number of factors. Motivation alone does not lead to increased performance. Ability and technology moderates the relationship between motivation and performance. The higher the levels of ability and motivation the _____ the level of performance will be. However, increasing motivation beyond an _____ level tends to _____ a dysfunctional result because it is _____ by an increased level of anxiety.

motivation and performance. The higher the levels of ability and motivation the _____ the level of performance will be.

Options:

- 1) higher
- 2) larger
- 3) lower
- 4) smaller

Correct Answer: higher

QID : 98 - In the following passage, some of the words have been left out. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.

Job performance is _____ by a number of factors. Motivation alone does not lead to increased performance. Ability and technology moderates the relationship between motivation and performance. The higher the levels of ability and motivation the _____ the level of performance will be. However, increasing motivation beyond an _____ level tends to _____ a dysfunctional result because it is _____ by an increased level of anxiety.

However, increasing motivation beyond an _____ level

Options:

- 1) certain
- 2) desired
- 3) increased
- 4) optimal

Correct Answer: optimal

QID : 99 - In the following passage, some of the words have been left out. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.

Job performance is _____ by a number of factors. Motivation alone does not lead to increased performance. Ability and technology moderates the relationship between motivation and performance. The higher the levels of ability and motivation the _____ the level of performance will be. However, increasing motivation beyond an _____ level tends to _____ a dysfunctional result because it is _____ by an increased level of anxiety.

tends to _____ a dysfunctional result

Options:

- 1) deduce
- 2) introduce
- 3) produce
- 4) reduce

Correct Answer: produce

QID : 100 - In the following passage, some of the words have been left out. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.

Job performance is _____ by a number of factors. Motivation alone does not lead to increased performance. Ability and technology moderates the relationship between motivation and performance. The higher the levels of ability and motivation the _____ the level of performance will be. However, increasing motivation beyond an _____ level tends to _____ a dysfunctional result because it is _____ by an increased level of anxiety.

because it is _____ by an increased level of anxiety.

Options:

- 1) abandoned
- 2) accompanied
- 3) affiliated
- 4) amalgamated

Correct Answer: accompanied

SSC CGL 2017 EXAM PAPER : Held on 08-AUG-2017
Shift-2
(Reasoning)

QID : 101 - In the following question, select the related word from the given alternatives.

Goiter : Iodine :: Anemia : ?

Options:

- 1) Vitamin D
- 2) Iron
- 3) Vitamin E
- 4) Calcium

Correct Answer: Iron

QID : 102 - In the following question, select the related letter from the given alternatives.

DE : O :: AF : ?

Options:

- 1) H
- 2) K
- 3) J

4) I

Correct Answer: K

QID : 103 - In the following question, select the related number from the given alternatives.

56 : 41 :: 94 : ?

Options:

1) 49

2) 53

3) 60

4) 89

Correct Answer: 49

QID : 104 - In the following question, select the odd word from the given alternatives.

Options:

1) Beneath

2) On top

3) Huge

4) Above

Correct Answer: Huge

QID : 105 - In the following question, select the odd letters from the given alternatives.

Options:

1) MN

2) NM

3) OL

4) ET

Correct Answer: ET

QID : 106 - In the following question, select the odd number from the given alternatives.

Options:

1) 253

2) 473

3) 143

4) 633

Correct Answer: 633

QID : 107 - Arrange the given words in the sequence in which they occur in the dictionary.

1. Flinching
2. Flintlock
3. Flinpites
4. Flintlocks
5. Flinchers

Options:

- 1) 15243
- 2) 51243
- 3) 51324
- 4) 51342

Correct Answer: 51324

QID : 108 - In the following question, which one set of letters when sequentially placed at the gaps in the given letter series shall complete it?

_ yzaa _ y _ xy _ aazy _

Options:

- 1) xxzzx
- 2) xxaza
- 3) xzxzx
- 4) aazzx

Correct Answer: xzxzx

QID : 109 - In the following question, select the missing number from the given series.

19, 38, ?, 228, 684, 1368

Options:

- 1) 108
- 2) 113
- 3) 114
- 4) 138

Correct Answer: 114

QID : 110 - There are five students - P, Q, R, S and T having different heights in a class. P's height is more than only one student. Q's height is more than S and P but not more than R. S's height is more than P. R is not the smallest. Who is having the maximum height in the class?

Options:

- 1) Q
- 2) R
- 3) S
- 4) T

Correct Answer: R

QID : 111 - In a row of 74 girls, Shweta is 27th from left end. Palak is 7th to the right of Shweta. What is Palak's position from the right end of the row?

Options:

- 1) 40
- 2) 41
- 3) 42
- 4) 44

Correct Answer: 41

QID : 112 - In the following question, from the given alternative words, select the word which can be formed using the letters of the given word.

CAPITULATE

Options:

- 1) CAPABLE
- 2) LUPIN
- 3) PITY
- 4) TALE

Correct Answer: TALE

QID : 113 - In a certain code language, "BIOLOGY" is written as "YRLOLTB". How is "PHYSICS" written in that code language?

Options:

- 1) KSXRBHH

2) KSBHRXH

3) XHRHBSK

4) KSBHXRH

Correct Answer: KSBHRXH

QID : 114 - In the following question, correct the equation by interchanging two signs.

$$6 + 8 \div 4 - 4 = 8$$

Options:

1) \div and $=$

2) \div and $+$

3) \div and $-$

4) $+$ and $-$

Correct Answer: $+$ and $-$

QID : 115 - If $4 \times 9 \times 3 = 4$ and $5 \times 3 \times 1 = 3$, then

$$9 \times 9 \times 7 = ?$$

Options:

1) 5

2) 6

3) 7

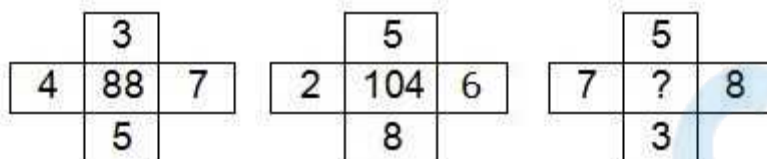
4) 9

Correct Answer: 5

QID : 116 -

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 चिह्न (?) के स्थान पर आने वाली संख्या को चुनिए।



Options:

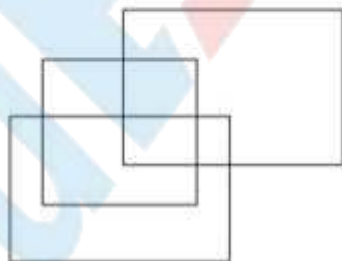
- 1) 108
- 2) 112
- 3) 118
- 4) 120

Correct Answer: 120

QID : 117 -

How many rectangles are there in the given figure?

दी गई आकृति में कितने आयत हैं?



Options:

- 1) 9
- 2) 10
- 3) 11

4) 12

Correct Answer: 11

QID : 118 - In 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 cups are plates.
- II. Some plates are glass.

Conclusions:

- I. Some glasses are cups.
- II. All glasses are cups.

Options:

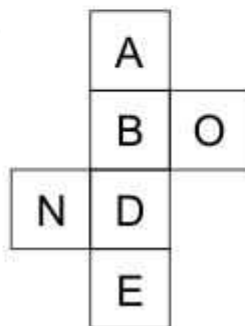
- 1) Only conclusion (I) follows.
- 2) Only conclusion (II) follows.
- 3) Neither conclusion (I) nor conclusion (II) follows.
- 4) Both conclusions follow.

Correct Answer: Neither conclusion (I) nor conclusion (II) follows.

QID : 119 -

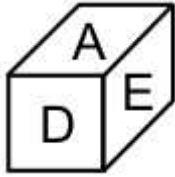
From the given options, which figure can be formed by folding the figure given in the question?

निम्नलिखित विकल्पों में से कौन सी उत्तर आकृति प्रश्न में दी गई आकृति को मोड़कर बनाई जा सकती है?

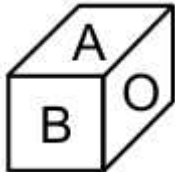


Options:

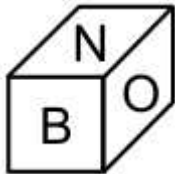
1)



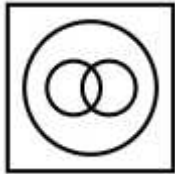
2)



3)



4)



Correct Answer:

QID : 120 - Identify the diagram that best represents the relationship among the given classes.

Complex number, Integer, Natural number

Options:

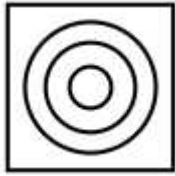
1)



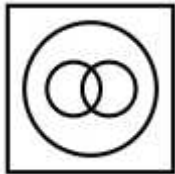
2)



3)



4)



Correct Answer:

QID : 121 -

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

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



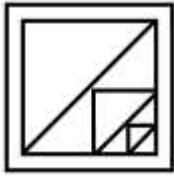
Options:

1)

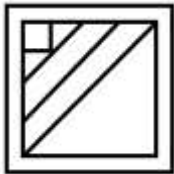


2)

3)



4)



Correct Answer:

QID : 122 -

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

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

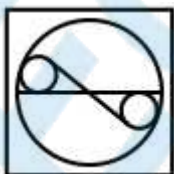


Options:

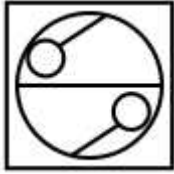
1)



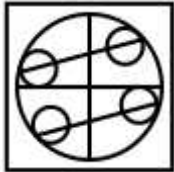
2)



3)



4)

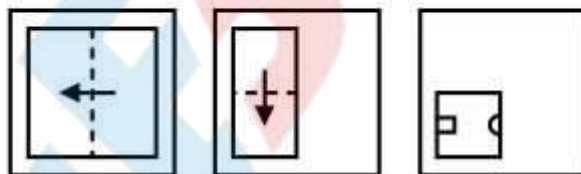


Correct Answer:

QID : 123 -

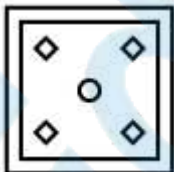
A piece of paper is folded and punched as shown below in the question figures. From the given answer figures, indicate how it will appear when opened?

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

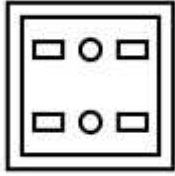


Options:

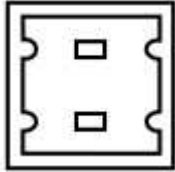
1)



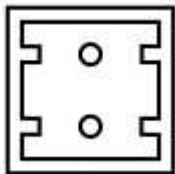
2)



3)



4)



Correct Answer:

QID : 124 -

If a mirror is placed on the line AB, then which of the answer figure 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 : 125 -

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, 'H' can be represented by 34, 41, etc., and 'T' can be represented by 59, 97, etc. Similarly, you have to identify the set for the word "**STRAW**".

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 नीचे दिए गए दो आव्यूहों में है। **आव्यूह-I** के स्तम्भ और पंक्ति की संख्या 0 से 4 दी गई है, और **आव्यूह-II** की 5 से 9। इन आव्यूहों से एक अक्षर को पहले उसकी पंक्ति और बाद में स्तम्भ संख्या द्वारा दर्शाया गया है। उदाहरण के लिए 'H' को 34, 41, आदि द्वारा दर्शाया जा सकता है तथा 'T' को 59, 97, आदि द्वारा दर्शाया जा सकता है। इसी तरह से आपको प्रश्न में दिए गए शब्द "**STRAW**" के लिए समूह को पहचानना है।

Matrix-I
आव्यूह-I

	0	1	2	3	4
0	S	R	G	H	W
1	H	W	S	R	G
2	R	G	H	W	S
3	W	S	R	G	H
4	G	H	W	S	R

Matrix-II
आव्यूह-II

	5	6	7	8	9
5	A	F	L	C	T
6	C	T	A	F	L
7	F	L	C	T	A
8	T	A	F	L	C
9	L	C	T	A	F

Options:

- 1) 00, 78, 13, 67, 23
- 2) 12, 59, 01, 55, 10
- 3) 24, 97, 20, 86, 31
- 4) 43, 66, 44, 98, 43

Correct Answer: 00, 78, 13, 67, 23

SSC CGL 2017 EXAM PAPER : Held on 08-AUG-2017
Shift-2
(General Awareness)

QID : 126 - 'Neo-Malthusian Theory' is associated with which of the following?

Options:

- 1) Employment
- 2) Poverty
- 3) Resource scarcity
- 4) Income

Correct Answer: Resource scarcity

QID : 127 -

Match the following.

निम्नलिखित का मिलान कीजिए।

Sector / क्षेत्र	Example / उदाहरण
1. Primary प्राथमिक	a. Consultancy सलाहकारी संस्था
2. Secondary द्वितीय	b. Apiculture मधुमक्खी-पालन
3. Tertiary तृतीय	c. Shoe Factory जूते का कारखाना

Options:

- 1) 1-b, 2-c, 3-a
- 2) 1-c, 2-a, 3-b
- 3) 1-a, 2-c, 3-b
- 4) 1-c, 2-b, 3-a

Correct Answer: 1-b, 2-c, 3-a

QID : 128 - How many Fundamental Duties are mentioned in Indian constitution?

Options:

- 1) Five
- 2) Seven
- 3) Nine
- 4) Eleven

Correct Answer: Eleven

QID : 129 - Part IV of constitution of India deals with which of the following?

Options:

- 1) The Union
- 2) The States
- 3) Fundamental Rights

4) Directive Principles of State Policy

Correct Answer: Directive Principles of State Policy

QID : 130 - Who gave the slogan 'Back to the Vedas (Vedo ki aur lauto)'?

Options:

- 1) Guru Nanank Dev Ji
- 2) Dayanand Saraswati
- 3) Swami Vivekananda
- 4) Raja Ram Mohan Roy

Correct Answer: Dayanand Saraswati

QID : 131 - Todarmal was the famous revenue minister of which Mughal Emperor?

Options:

- 1) Shah Jahan
- 2) Bahadur Shah Jafar
- 3) Akbar
- 4) Aurangzeb

Correct Answer: Akbar

QID : 132 - Gravitational force is maximum at which of the following place?

Options:

- 1) At equator
- 2) At tropic of cancer
- 3) At tropic of Capricorn
- 4) At poles

Correct Answer: At poles

QID : 133 - Which of the following device is used to measure humidity?

Options:

- 1) Hydrometer
- 2) Hygrometer
- 3) Psycho Meter
- 4) Anemometer

Correct Answer: Hygrometer

QID : 134 - Which of the following disease is caused by female Anopheles mosquito?

Options:

- 1) Chicken Pox
- 2) Malaria
- 3) Black Fever
- 4) Cholera

Correct Answer: Black Fever

QID : 135 - Which part of the plant gives us saffron?

Options:

- 1) Roots
- 2) Petals
- 3) Stem
- 4) Stigma

Correct Answer: Stigma

QID : 136 - Which of the following transports water from the roots of the plant to its leaves?

Options:

- 1) Xylem
- 2) Phloem
- 3) Both xylem and phloem
- 4) Cortex

Correct Answer: Xylem

QID : 137 - Which of the following is not a vector quantity?

Options:

- 1) Momentum
- 2) Displacement
- 3) Torque
- 4) Speed

Correct Answer: Speed

QID : 138 - At what temperature (in Fahrenheit) pure water freezes?

Options:

- 1) 32
- 2) 0

3) 48

4) 37

Correct Answer: 32

QID : 139 - In which graphics, digital photos and scanned images are typically stored with extensions such as.bmp, .png, .jpg, .tif or.gif?

Options:

1) Bitmap

2) Pixels

3) Plane

4) Both Bitmap and Pixels

Correct Answer: Bitmap

QID : 140 - Process of gaining electrons is known as _____.

Options:

1) oxidation

2) reduction

3) radiation

4) both oxidation and reduction

Correct Answer: reduction

QID : 141 - Which of the following metal (shown by its symbol) is generally used for making filaments of bulb?

Options:

1) Fe

2) An

3) Ag

4) W

Correct Answer: W

QID : 142 - Which of the following trees shed their leaves once in a year?

Options:

1) Deciduous trees

2) Coniferous trees

3) Evergreen trees

4) Both deciduous and coniferous trees

Correct Answer: Deciduous trees

QID : 143 - The Entrepreneurship Development Scheme (EDS) has been launched under New Economy Development Policy (NEDP) on January 19, 2017 at _____.

Options:

- 1) New Delhi
- 2) Mizoram
- 3) Gujrat
- 4) Uttar Pradesh

Correct Answer: Mizoram

QID : 144 - Who invented Dynamite?

Options:

- 1) J B Dunlop
- 2) Alfred Nobel
- 3) James Simons
- 4) Peter Hargreaves

Correct Answer: Alfred Nobel

QID : 145 - 'Rovers cup' is associated with which of the following sport?

Options:

- 1) Football
- 2) Hockey
- 3) Golf
- 4) Basketball

Correct Answer: Football

QID : 146 - Dandia is a form of dance associated with which of the following state?

Options:

- 1) Haryana
- 2) Punjab
- 3) Gujarat
- 4) Rajasthan

Correct Answer: Gujarat

QID : 147 - Who among the following was awarded with Dhronacharya Award 2016 in the field of 'Swimming (Lifetime)'?

Options:

- 1) Shri Raj Kumar Sharma
- 2) Shri Sagar Mal Dhayal
- 3) Shri S. Pradeep Kumar
- 4) Shri Nagapuri Ramesh

Correct Answer: Shri S. Pradeep Kumar

QID : 148 - 'Ace Against Odds' is an autobiography of which sports person?

Options:

- 1) Vishwanathan Anand
- 2) Sania Mirza
- 3) Abhinav Bindra
- 4) Anjali Bhagwat

Correct Answer: Sania Mirza

QID : 149 - Under the framework of the new partnership with which country, Victory University will help India to Establish a National Sports University?

Options:

- 1) Portugal
- 2) Australia
- 3) Vietnam
- 4) USA

Correct Answer: Australia

QID : 150 - With which country India exchanged its border maps?

Options:

- 1) China
- 2) Sri Lanka
- 3) Pakistan
- 4) Bangladesh

Correct Answer: Bangladesh

SSC CGL 2017 EXAM PAPER : Held on 08-AUG-2017
Shift-2
(Mathematics)

QID : 151 - What least value which should be added to 1812 to make it divisible by 7, 11 and 14?

Options:

- 1) 12
- 2) 36
- 3) 72
- 4) 154

Correct Answer: 36

QID : 152 - A is 1.5 times efficient than B therefore takes 8 days less than B to complete a work. If A and B work on alternate days and A works on first day, then in how many days the work will be completed?

Options:

- 1) 17
- 2) 19
- 3) 19.5
- 4) 21

Correct Answer: 19

QID : 153 - One of the diagonal of a rhombus is 70% of the other diagonal. What is the ratio of area of rhombus to the square of the length of the larger diagonal?

Options:

- 1) 3 : 10
- 2) 3 : 20
- 3) 7 : 20
- 4) 7 : 10

Correct Answer: 7 : 20

QID : 154 - A shopkeeper sells a table at a discount of 20% and earns a profit of 60%. If he sells the same table at 40% discount, then what will be his new profit percent?

Options:

- 1) 20
- 2) 30
- 3) 35
- 4) 40

Correct Answer: 20

QID : 155 - If $A/3 = B/2 = C/5$, then what is the value of ratio $(C + A)^2 : (A + B)^2 : (B + C)^2$?

Options:

- 1) 9 : 4 : 25
- 2) 25 : 4 : 9
- 3) 64 : 25 : 49
- 4) 49 : 25 : 64

Correct Answer: 64 : 25 : 49

QID : 156 - 5 years ago the average age of a family which includes father, mother and a son was 35 years. 3 years ago the average age of father and mother was 46 years. What is the present age (in years) of the son?

Options:

- 1) 20
- 2) 24
- 3) 26
- 4) 22

Correct Answer: 22

QID : 157 - The cost price of 60 articles is same as the selling price of x articles. If there is a profit of 20%, then what is the value of x ?

Options:

- 1) 15
- 2) 30
- 3) 50
- 4) 80

Correct Answer: 50

QID : 158 - A person scores 45% of the total marks in the exam and still fails by 40 marks. The passing percentage of the exam is 55%. What is the maximum marks of the exam?

Options:

- 1) 300
- 2) 350
- 3) 400
- 4) 500

Correct Answer: 400

QID : 159 - A man starts running from point P at 11:00 a.m. with a speed of 10 km/hr. He runs for 2 hours and then takes a 1 hour rest. He continues this till he is caught by another man who starts at 2:00 p.m. from point P and runs non-stop at a speed of 15 km/hr towards the first man. At what time (in p.m.) will the first man be caught?

Options:

- 1) 6:20
- 2) 4:40
- 3) 6:00
- 4) 5:30

Correct Answer: 4:40

QID : 160 - The difference of compound interest and simple interest for 3 years and for 2 years are in ratio 23 : 7 respectively. What is rate of interest per annum (in %)?

Options:

- 1) $200/7$
- 2) $100/7$
- 3) $300/7$

4) 400/7

Correct Answer: 200/7

QID : 161 - If $(x^2/yz) + (y^2/zx) + (z^2/xy) = 3$, then what is the value of $(x + y + z)^3$?

Options:

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

Correct Answer: 0

QID : 162 - If $x^{1/4} + x^{-1/4} = 2$, then what is the value of $x^{81} + (1/x^{81})$?

Options:

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

Correct Answer: 2

QID : 163 - If $a(a + b + c) = 45$, $b(a + b + c) = 75$ and $c(a + b + c) = 105$, then what is the value of $(a^2 + b^2 + c^2)$?

Options:

- 1) 75
- 2) 83
- 3) 217
- 4) 225

Correct Answer: 83

QID : 164 - If $x^2 + (1/x^2) = 1$, then what is the value of $x^{48} + x^{42} + x^{36} + x^{30} + x^{24} + x^{18} + x^{12} + x^6 + 1$?

Options:

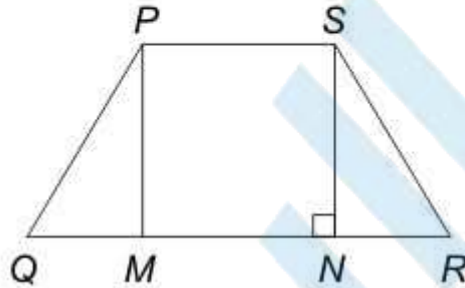
- 1) - 9
- 2) 0
- 3) 1
- 4) 9

Correct Answer: 1

QID : 165 -

In the given figure, $PQRS$ is a trapezium in which $PM \parallel SN$, $NR = 9$ cm, $PS = 12$ cm, $QM = NR$ and $NR = SN$. What is the area (in cm^2) of trapezium?

दी गई आकृति में, $PQRS$ एक समलंब है जिसमें $PM \parallel SN$, $NR = 9$ से.मी., $PS = 12$ से.मी., $QM = NR$ तथा $NR = SN$ है। समलंब का क्षेत्रफल (से.मी.² में) क्या है?



Options:

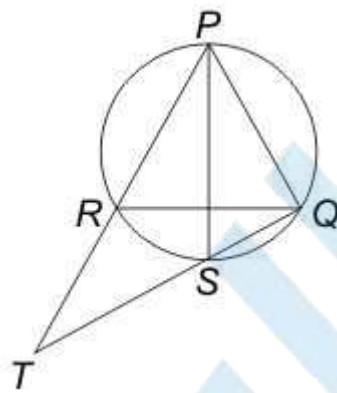
- 1) 170
- 2) 182
- 3) 189
- 4) 191

Correct Answer: 189

QID : 166 -

In the given figure, PQR is an equilateral triangle and PS is the angle bisector of $\angle P$. What is the value of $RT : RQ$?

दी गई आकृति में, PQR एक समबाहु त्रिभुज है तथा PS , $\angle P$ का कोण द्विभाजक है। $RT : RQ$ का मान क्या है?



Options:

- 1) 1 : 2
- 2) 1 : 1
- 3) 2 : 1
- 4) 1 : 3

Correct Answer: 1 : 1

QID : 167 - Two chords of length 20 cm and 24 cm are drawn perpendicular to each other in a circle of radius is 15 cm. What is the distance between the Points of intersection of these chords (in cm) from the center of the circle?

Options:

- 1) $\sqrt{114}$
- 2) $\sqrt{182}$

3)

$$\sqrt{206}$$

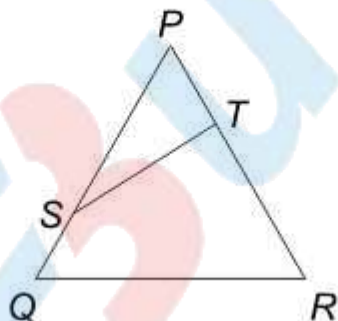
4)

$$\sqrt{218}$$

QID : 168 -

In the given figure, $QRTS$ is a cyclic quadrilateral. If $PT = 5$ cm, $SQ = 4$ cm, $PS = 6$ cm and $\angle PQR = 63^\circ$, then what is the value (in cm) of TR ?

दी गई आकृति में, $QRTS$ एक चक्रीय चतुर्भुज है। यदि $PT = 5$ से.मी., $SQ = 4$ से.मी., $PS = 6$ से.मी. तथा $\angle PQR = 63^\circ$ है, तो TR का मान (से.मी. में) क्या है?



Options:

1) 3

2) 7

3) 9

4) 15

Correct Answer: 7

QID : 169 - What is the simplified value of $\sin^2 (90 - \theta) - \frac{\sin(90 - \theta)\sin \theta}{\tan \theta}$?

Options:

- 1) 1
- 2) cosec θ
- 3) 0
- 4) cos θ

Correct Answer: 0

QID : 170 -

What is the simplified value of $\left[\frac{\cos^2 \theta}{1 + \sin \theta} - \frac{\sin^2 \theta}{1 + \cos \theta} \right]^2$?

$\left[\frac{\cos^2 \theta}{1 + \sin \theta} - \frac{\sin^2 \theta}{1 + \cos \theta} \right]^2$ का सरलीकृत मान क्या है?

Options:

- 1) sin θ
- 2) $1 - \sin 2\theta$
- 3) $1 + \sin 2\theta$
- 4) $1 - \sin \theta$

Correct Answer: $1 - \sin 2\theta$

QID : 171 - If $5 \sec \theta - 3 \tan \theta = 5$, then what is the value of $5 \tan \theta - 3 \sec \theta$?

Options:

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

Correct Answer: 3

QID : 172 -

The table below shows the distribution of number of people living in 8 different countries and the per capita income of each of the countries. The total population of these countries taken together is 200 crores.

Per capita income = total GDP of country/population of the country

नीचे दी गई तालिका में 8 विभिन्न देशों में रहने वाले लोगों का वितरण तथा सभी देशों की प्रति व्यक्ति आय को दर्शाया गया है। इन देशों की कुल जनसंख्या 200 करोड़ है।

प्रति व्यक्ति आय = देश का कुल सकल घरेलू उत्पाद (जी.डी.पी.)/देश की जनसंख्या

Country / देश	Distribution of number of people / लोगों का वितरण	Per capita income (in crore dollars) / प्रति व्यक्ति आय (करोड़ डॉलर में)
Country 1 / देश 1	12%	11850
Country 2 / देश 2	24%	5350
Country 3 / देश 3	15%	9900
Country 4 / देश 4	17%	4840
Country 5 / देश 5	7%	2260
Country 6 / देश 6	6%	6920
Country 7 / देश 7	11%	3190
Country 8 / देश 8	8%	10410

What is the difference (in crores) in population of the most and the least populated country?

Options:

- 1) 18
- 2) 32
- 3) 34
- 4) 36

Correct Answer: 36

QID : 173 -

The table below shows the distribution of number of people living in 8 different countries and the per capita income of each of the countries. The total population of these countries taken together is 200 crores.

Per capita income = total GDP of country/population of the country

नीचे दी गई तालिका में 8 विभिन्न देशों में रहने वाले लोगों का वितरण तथा सभी देशों की प्रति व्यक्ति आय को दर्शाया गया है। इन देशों की कुल जनसंख्या 200 करोड़ है।

प्रति व्यक्ति आय = देश का कुल सकल घरेलू उत्पाद (जी.डी.पी.)/देश की जनसंख्या

Country / देश	Distribution of number of people / लोगों का वितरण	Per capita income (in crore dollars) / प्रति व्यक्ति आय (करोड़ डॉलर में)
Country 1 / देश 1	12%	11850
Country 2 / देश 2	24%	5350
Country 3 / देश 3	15%	9900
Country 4 / देश 4	17%	4840
Country 5 / देश 5	7%	2260
Country 6 / देश 6	6%	6920
Country 7 / देश 7	11%	3190
Country 8 / देश 8	8%	10410

What is the total GDP (in crore dollars) of country 5?

Options:

- 1) 27120
- 2) 31640
- 3) 38280
- 4) 44660

Correct Answer: 31640

QID : 174 -

The table below shows the distribution of number of people living in 8 different countries and the per capita income of each of the countries. The total population of these countries taken together is 200 crores.

Per capita income = total GDP of country/population of the country

नीचे दी गई तालिका में 8 विभिन्न देशों में रहने वाले लोगों का वितरण तथा सभी देशों की प्रति व्यक्ति आय को दर्शाया गया है। इन देशों की कुल जनसंख्या 200 करोड़ है।

प्रति व्यक्ति आय = देश का कुल सकल घरेलू उत्पाद (जी.डी.पी.)/देश की जनसंख्या

Country / देश	Distribution of number of people / लोगों का वितरण	Per capita income (in crore dollars) / प्रति व्यक्ति आय (करोड़ डॉलर में)
Country 1 / देश 1	12%	11850
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Country 3 / देश 3	15%	9900
Country 4 / देश 4	17%	4840
Country 5 / देश 5	7%	2260
Country 6 / देश 6	6%	6920
Country 7 / देश 7	11%	3190
Country 8 / देश 8	8%	10410

What is the total GDP (in crore dollars) for the country with the third lowest per capita income?

Options:

- 1) 181900
- 2) 108460
- 3) 145200
- 4) 164560

Correct Answer: 164560

QID : 175 -

The table below shows the distribution of number of people living in 8 different countries and the per capita income of each of the countries. The total population of these countries taken together is 200 crores.

Per capita income = total GDP of country/population of the country

नीचे दी गई तालिका में 8 विभिन्न देशों में रहने वाले लोगों का वितरण तथा सभी देशों की प्रति व्यक्ति आय को दर्शाया गया है। इन देशों की कुल जनसंख्या 200 करोड़ है।

प्रति व्यक्ति आय = देश का कुल सकल घरेलू उत्पाद (जी.डी.पी.)/देश की जनसंख्या

Country / देश	Distribution of number of people / लोगों का वितरण	Per capita income (in crore dollars) / प्रति व्यक्ति आय (करोड़ डॉलर में)
Country 1 / देश 1	12%	11850
Country 2 / देश 2	24%	5350
Country 3 / देश 3	15%	9900
Country 4 / देश 4	17%	4840
Country 5 / देश 5	7%	2260
Country 6 / देश 6	6%	6920
Country 7 / देश 7	11%	3190
Country 8 / देश 8	8%	10410

Which country has the highest total GDP?

Options:

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

Correct Answer: Country 3

SSC CGL 2017 EXAM PAPER : Held on 08-AUG-2017
Shift-2
(English Comprehension)

QID : 176 - In the following question, some part of the sentence may have errors. Find out which part of the sentence has an error and select the appropriate option. If a sentence is free from error, select 'No error'.

Hardly had I reached the (1)/ exhibition where I learnt (2)/ about the major robbery. (3)/ No Error (4)

Options:

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

Correct Answer: 2

QID : 177 - In the following question, some part of the sentence may have errors. Find out which part of the sentence has an error and select the appropriate option. If a sentence is free from error, select 'No error'.

No sooner did the sun rise (1)/ when we resumed the journey (2)/ after having a hasty breakfast. (3)/ No Error (4)

Options:

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

Correct Answer: 2

QID : 178 - In the following question, the sentence given with blank to be filled in with an appropriate word. Select the correct alternative out of the four and indicate it by selecting the appropriate option.

He _____ to the problem of air pollution in his speech.

Options:

- 1) averted
- 2) adverted
- 3) exclaimed
- 4) mentioned

Correct Answer: adverted

QID : 179 - In the following question, the sentence given with blank to be filled in with an appropriate word. Select the correct alternative out of the four and indicate it by selecting the appropriate option.

Rohan is so magnanimous that everyone is always _____ to help him in his project.

Options:

- 1) eager
- 2) enthusiastic
- 3) reluctant
- 4) ignorant

Correct Answer: eager

QID : 180 - In the following question, out of the four alternatives, select the word similar in meaning to the word given.

Succulent

Options:

- 1) Sucking
- 2) Soft
- 3) Juicy
- 4) Pale

Correct Answer: Juicy

QID : 181 - In the following question, out of the four alternatives, select the word similar in meaning to the word given.

Congregation

Options:

- 1) Discussion
- 2) Attention
- 3) Contraction
- 4) Assembly

Correct Answer: Assembly

QID : 182 - In the following question, out of the four alternatives, select the word opposite in meaning to the word given.

Evanescence

Options:

- 1) Enticing
- 2) Fleeting
- 3) Erratic
- 4) Elusive

Correct Answer: Enticing

QID : 183 - In the following question, out of the four alternatives, select the word opposite in meaning to the word given.

Panegyric

Options:

- 1) Noxious
- 2) Criticism
- 3) Fantasy
- 4) Grandeur

Correct Answer: Criticism

QID : 184 - In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/Phrase.

To put a spoke in one's wheel

Options:

- 1) To be advantageous at the time of difficulty
- 2) To maintain under all circumstances

- 3) To blame the other party
- 4) To put a difficulty in the way of progress

Correct Answer: To put a difficulty in the way of progress

QID : 185 - In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/Phrase.

At loggerheads

Options:

- 1) To suffer
- 2) In conflict with someone
- 3) To face tough competition
- 4) To be in do or die situation

Correct Answer: In conflict with someone

QID : 186 - Improve the bracketed part of the sentence.

She is (the best and wisest) girl in the class.

Options:

- 1) best and wisest
- 2) a best and a wisest
- 3) the best and the wisest
- 4) No improvement

Correct Answer: the best and the wisest

QID : 187 - Improve the bracketed part of the sentence.

The people of Japan are (wiser than America.)

Options:

- 1) wiser than that of America.
- 2) wiser than those of America.
- 3) wiser to that of America.
- 4) No improvement

Correct Answer: wiser than those of America.

QID : 188 - In the following question, out of the four alternatives, select the alternative which is the best substitute of the phrase.

One skilled in telling stories

Options:

- 1) Ventral
- 2) Fanatic
- 3) Raconteur
- 4) Tyro

Correct Answer: Raconteur

QID : 189 - In the following question, out of the four alternatives, select the alternative which is the best substitute of the phrase.

Fear of Fire

Options:

- 1) Arsonphobia
- 2) Astraphobia
- 3) Astrophobia
- 4) Arrhenphobia

Correct Answer: Arsonphobia

QID : 190 - In the following question, four words are given out of which one word is incorrectly spelt. Find the incorrectly spelt word.

Options:

- 1) Hygeine
- 2) Fascist
- 3) Career
- 4) Apparel

Correct Answer: Hygeine

QID : 191 - In the following question, four words are given out of which one word is incorrectly spelt. Find the incorrectly spelt word.

Options:

- 1) Reside
- 2) Revise
- 3) Advise
- 4) Demice

Correct Answer: Demice

QID : 192 - The question below consists of a set of labelled sentences. Out of the four options given, select the most logical order of the sentences to form a coherent paragraph.

P: He raised his voice against idol-worship.

Q: People are generally very open and accept social changes with a positive attitude.

R: Swami Dayanand Saraswati is remembered with reverence and affection among the social reformers of the nineteenth century.

S: India is a country which respects spiritualism much more than materialism.

Options:

- 1) QRSP
- 2) PRSQ
- 3) RSPQ
- 4) SQRP

Correct Answer: SQRP

QID : 193 - The question below consists of a set of labelled sentences. Out of the four options given, select the most logical order of the sentences to form a coherent paragraph.

P: For that we need people who possess not only high skills but high values as well.

Q: So the need of the hour is not only skill-based education but also value-inspired and value-based education.

R: When we talk of investing in education, a question arises as to what kind of education needs to be given to the youngster.

S: Our aim is to evolve not only an affluent society, but an egalitarian, just, humane and compassionate society.

Options:

- 1) SPRQ
- 2) PRQS
- 3) RQSP
- 4) RSPQ

Correct Answer: RSPQ

QID : 194 - In the following question, a sentence has been given in Active/Passive voice. Out of four alternatives suggested, select the one which best expresses the same sentence in Passive/Active voice.

Please guide me.

Options:

- 1) You are requested to guide me.
- 2) You have been requested to guide me.
- 3) You were requested to guide me.

4) You are being requested to guide me.

Correct Answer: You are requested to guide me.

QID : 195 - In the following question, a sentence has been given in Direct/Indirect speech. Out of the four alternatives suggested, select the one which best expresses the same sentence in Indirect/Direct speech.

The teacher said, "The Earth revolves around the sun."

Options:

- 1) The teacher said that the Earth is being revolving around the sun.
- 2) The teacher said that the Earth revolves around the sun.
- 3) The teacher said that the Earth revolved around the sun.
- 4) The teacher said that the Earth had been revolving around the sun.

Correct Answer: The teacher said that the Earth revolves around the sun.

QID : 196 - In the following passage some of the words have been left out. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.

The _____ of energy in India are met from both commercial and non commercial sources. The most _____ sources of energy today are coal and natural gas, hydro electricity and nuclear power. On the other hand, firewood, cow-dung cakes and vegetable waste etc. _____ non commercial forms of energy. While non commercial forms of energy _____ demand, coal is the _____ source of commercial energy in India.

The _____ of energy in India are met from both commercial

Options:

- 1) requirements
- 2) sources
- 3) availability
- 4) lessen

Correct Answer: requirements

QID : 197 - In the following passage some of the words have been left out. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.

The _____ of energy in India are met from both commercial and non commercial sources. The most _____ sources of energy today are coal and natural gas, hydro electricity and nuclear power. On the other hand, firewood, cow-dung cakes and vegetable waste etc. _____ non commercial forms of

energy. While non commercial forms of energy _____ demand, coal is the _____ source of commercial energy in India.

and non commercial sources. The most _____ sources of energy today are coal and natural gas

Options:

- 1) vital
- 2) insignificant
- 3) important
- 4) expensive

Correct Answer: important

QID : 198 - In the following passage some of the words have been left out. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.

The _____ of energy in India are met from both commercial and non commercial sources. The most _____ sources of energy today are coal and natural gas, hydro electricity and nuclear power. On the other hand, firewood, cow-dung cakes and vegetable waste etc. _____ non commercial forms of energy. While non commercial forms of energy _____ demand, coal is the _____ source of commercial energy in India.

On the other hand, firewood, cow-dung cakes and vegetable waste etc. _____ non commercial forms of energy.

Options:

- 1) constitutes
- 2) combines
- 3) mixes
- 4) collaborates

Correct Answer: constitutes

QID : 199 - In the following passage some of the words have been left out. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.

The _____ of energy in India are met from both commercial and non commercial sources. The most _____ sources of energy today are coal and natural gas, hydro electricity and nuclear power. On the other hand, firewood, cow-dung cakes and vegetable waste etc. _____ non commercial forms of energy. While non commercial forms of energy _____ demand, coal is the _____ source of commercial energy in India.

While non commercial forms of energy _____ demand,

Options:

- 1) need
- 2) meet
- 3) shed
- 4) rests

Correct Answer: meet

QID : 200 - In the following passage some of the words have been left out. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.

The _____ of energy in India are met from both commercial and non commercial sources. The most _____ sources of energy today are coal and natural gas, hydro electricity and nuclear power. On the other hand, firewood, cow-dung cakes and vegetable waste etc. _____ non commercial forms of energy. While non commercial forms of energy _____ demand, coal is the _____ source of commercial energy in India.

coal is the _____ source of commercial energy in India.

Options:

- 1) smallest
- 2) hardest
- 3) largest
- 4) heaviest

Correct Answer: largest

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Shift-3
(General Awareness)

QID : 226 - Who takes the decision regarding the savings and loan activities in a Self Help Group (SHG)?

Options:

- 1) Private Bank
- 2) Reserve Bank of India
- 3) Members of group
- 4) Non Government Organizations

Correct Answer: Members of group

QID : 227 - Which amongst the following is not in the list of Maharatna?

Options:

- 1) Coal India Limited
- 2) Steel Authority of India Limited
- 3) Hindustan Petroleum Corporation Limited
- 4) Bharat Heavy Electricals Limited

Correct Answer: Hindustan Petroleum Corporation Limited

QID : 228 - In Indian constitution, the method of election of President has been taken from which country?

Options:

- 1) Britain
- 2) USA
- 3) Ireland
- 4) Australia

Correct Answer: Ireland

QID : 229 - What is the literal meaning of the term "Quo-Warranto"?

Options:

- 1) We command
- 2) To forbid
- 3) By what authority (or) warrant
- 4) None of these

Correct Answer: By what authority (or) warrant

QID : 230 - Who was given the title of "The Ambassador of Hindu – Muslim Unity" for being the architect and mastermind of the historic Lucknow Pact?

Options:

- 1) Sir Sayyad Ahmad Khan
- 2) Fazl-ul-Haq
- 3) Syed Mohammad Sharfuddin Quadri
- 4) Muhammad Ali Jinnah

Correct Answer: Muhammad Ali Jinnah

QID : 231 - What is the name of the court poet of King Harshavardhana?

Options:

- 1) Tulsidas
- 2) Banabhatta
- 3) Surdas
- 4) Raskhan

Correct Answer: Banabhatta

QID : 232 - Marble comes under which category of rocks?

Options:

- 1) Sedimentary

- 2) Igneous
- 3) Metamorphic
- 4) None of these

Correct Answer: Metamorphic

QID : 233 - Which of the following is most important for absorption of heat radiated from the Sun as well as from the Earth?

Options:

- 1) Carbon dioxide
- 2) Oxygen
- 3) Carbon monoxide
- 4) Nitrogen

Correct Answer: Carbon dioxide

QID : 234 - Which among the following has segmented body?

Options:

- 1) Phylum Mollusca
- 2) Phylum Arthropoda
- 3) Phylum Annelida
- 4) Phylum Coelenterata

Correct Answer: Phylum Annelida

QID : 235 - Synapse gap is present between which of the following?

Options:

- 1) Two neurons
- 2) Brain and Spinal Cord
- 3) Two Kidneys
- 4) None of these

Correct Answer: Two neurons

QID : 236 - Which organ has finger like outgrowths which are called as Villi (Singular Villus)?

Options:

- 1) Large Intestine
- 2) Bladder
- 3) Small Intestine
- 4) Stomach

Correct Answer: Small Intestine

QID : 237 - Which of the following is not a vector quantity?

Options:

- 1) Acceleration
- 2) Electric current
- 3) Force
- 4) Velocity

Correct Answer: Electric current

QID : 238 - The phenomena of raising the outer edge of the curved roads above the inner edge to provide necessary centripetal force to the vehicles to take a safe turn is called _____.

Options:

- 1) banking of roads
- 2) cornering of roads
- 3) elevation of roads
- 4) tempering of roads

Correct Answer: banking of roads

QID : 239 - C++ is _____.

Options:

- 1) an operating system
- 2) a programming language
- 3) a software
- 4) None of these

Correct Answer: a programming language

QID : 240 - What are isobars?

Options:

- 1) Elements with same atomic number but different mass number
- 2) Elements with different atomic number but same mass number
- 3) Elements with different atomic number and different mass number
- 4) Elements with same atomic number and same mass number

Correct Answer: Elements with different atomic number but same mass number

QID : 241 - Which of the following pairs is INCORRECT?

I. Haematite : Iron

II. Pitchblende : Copper

III. Monazite : Thorium

Options:

1) Only I

2) Only II

3) Only I and II

4) Only I and III

Correct Answer: Only II

QID : 242 - In which year did Kyoto Protocol came into force?

Options:

1) 2004

2) 2005

3) 2006

4) 2007

Correct Answer: 2005

QID : 243 - The 7th pay commission has retained the rate of annual increment of _____.

Options:

1) 2%

2) 2.57%

3) 3%

4) 3.5%

Correct Answer: 3%

QID : 244 - Who discovered malaria causing germs?

Options:

1) Christiaan Bernard

2) Charles Louis Alphonse Laveran

3) Dmitry Ivanovsky

4) Martinus William Beijerinck

Correct Answer: Charles Louis Alphonse Laveran

QID : 245 -

Match the following.

निम्नलिखित का मिलान कीजिए।

F1 Race / एफ1 रेस	Winner / विजेता
1. F1 Australian Grand Prix, 2017 एफ1 ऑस्ट्रेलियाई गैंड प्रिक्स, 2017	a. Sebastian Vettel सेबेस्टियन वेट्टल
2. F1 Russian Grand Prix, 2017 एफ1 रशियन गैंड प्रिक्स, 2017	b. Lewis Hamilton लुईस हैमिल्टन
3. F1 Chinese Grand Prix, 2017 एफ1 चीनी गैंड प्रिक्स, 2017	c. Valtteri Bottas वाल्तेरी बोतास

Options:

- 1) 1-a, 2-b, 3-c
- 2) 1-b, 2-a, 3-c
- 3) 1-b, 2-c, 3-a
- 4) 1-a, 2-c, 3-b

Correct Answer: 1-a, 2-c, 3-b

QID : 246 - Which of the following pair is INCORRECT?

Options:

- 1) Amjad Ali Khan - Tabla
- 2) Ustad Bismillah Khan - Shehnai
- 3) Hema Malini - Bharatnatyam
- 4) Shambhu Maharaj - Kathak

Correct Answer: Amjad Ali Khan - Tabla

QID : 247 - Who was conferred with the 2016 Nobel Prize for Literature?

Options:

- 1) Bob Dylan
- 2) Oliver Hart
- 3) Yoshinori Ohsumi
- 4) J. Michael Kosterlitz

Correct Answer: Bob Dylan

QID : 248 - Who is the author of the book titled 'The Gita for Children'?

Options:

- 1) Puja Changoiwala
- 2) Ruchira Gupta
- 3) Priyanka Mookerjee
- 4) Roopa Pai

Correct Answer: Roopa Pai

QID : 249 - With which country India celebrated its 25th year of diplomatic ties in 2017?

Options:

- 1) France
- 2) Russia
- 3) Israel
- 4) China

Correct Answer: Israel

QID : 250 - Which Asian country has opened 'Duge Bridge' (world's highest road bridge) for use in year 2016?

Options:

- 1) China
- 2) Russia
- 3) Japan
- 4) India

Correct Answer: China

SSC CGL 2017 EXAM PAPER : Held on 08-AUG-2017
Shift-3
(Reasoning)

QID : 201 - In the following question, select the related word from the given alternatives.

Vacant : Empty :: Dearth : ?

Options:

- 1) Descend
- 2) Scarcity
- 3) Squander
- 4) Abundant

Correct Answer: Scarcity

QID : 202 - In the following question, select the related letters from the given alternatives.

HMPU : IOSY :: GMRF : ?

Options:

- 1) FKOB
- 2) HOUJ
- 3) HPUJ

4) HOJU

Correct Answer: HOUJ

QID : 203 - In the following question, select the related number from the given alternatives.

50 : 65 :: 122 : ?

Options:

1) 157

2) 145

3) 147

4) 155

Correct Answer: 145

QID : 204 - In the following question, select the odd word pair from the given alternatives.

Options:

1) Venus : Planet

2) Moon : Satellite

3) Jupiter : Black Hole

4) Sun : Star

Correct Answer: Jupiter : Black Hole

QID : 205 - In the following question, select the odd letters from the given alternatives.

Options:

1) KQ

2) DJ

3) SZ

4) RX

Correct Answer: SZ

QID : 206 - In the following question, select the odd number from the given alternatives.

Options:

1) 361

2) 441

3) 784

4) 876

Correct Answer: 876

QID : 207 - Arrange the given words in the sequence in which they occur in the dictionary.

1. Herbivorous
2. Harmony
3. House
4. Honour
5. Helm

Options:

- 1) 12543
- 2) 25143
- 3) 21534
- 4) 12354

Correct Answer: 25143

QID : 208 - A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

A, C, E, G, ?

Options:

- 1) H
- 2) I
- 3) J
- 4) F

Correct Answer: I

QID : 209 - In the following question, select the missing number from the given series.

2, 4, 13, 41, 106, ?

Options:

- 1) 172
- 2) 191
- 3) 219

4) 232

Correct Answer: 232

QID : 210 - Hitesh, Sunny, Vicky, Nitin and Bharat are arranged in ascending order of the height from the top. Hitesh is at third place. Bharat is between Nitin and Hitesh while Nitin is not at the bottom. Who has the maximum height among them?

Options:

- 1) Hitesh
- 2) Sunny
- 3) Vicky
- 4) Nitin

Correct Answer: Nitin

QID : 211 - If 'A + B' means 'A is father of B', 'A – B' means 'A is mother of B', 'A * B' means 'A is brother of B' and 'A % B' means 'A is sister of B', then how is Q related to S in 'P + Q * R – S'?

Options:

- 1) Husband
- 2) Uncle
- 3) Brother
- 4) Father

Correct Answer: Uncle

QID : 212 - In the following question, from the given alternative words, select the word which cannot be formed using the letters of the given word.

Abandoned

Options:

- 1) Bonded
- 2) Banded
- 3) Bland
- 4) Bane

Correct Answer: Bland

QID : 213 - In a certain code language, "REMOTE" is written as "KYSPGS" and "BRAND" is written as "IRDTTC". How is "MOBILE" written in that code language?

Options:

- 1) FMJCPN
- 2) KQMEQN
- 3) DKHANL
- 4) DMHCNN

Correct Answer: KQMEQN

QID : 214 - If "÷" denotes "multiplied by", "+" denotes "subtracted from", "x" denotes "added to" and "-" denotes "divided by", then

$$12 - 6 + 28 \times 3 \div 9 = ?$$

Options:

- 1) -24
- 2) 1
- 3) -53
- 4) 8

Correct Answer: 1

QID : 215 - If 19 (36) 13 and 37 (81) 28, then what is the value of 'A' in 43 (A) 38?

Options:

- 1) 49
- 2) 25
- 3) 34
- 4) 64

Correct Answer: 25

QID : 216 -

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।

3	7
2	4

8	3
1	7

1	6
2	?

Options:

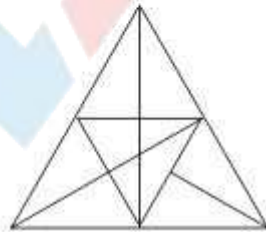
- 1) 2
- 2) 7
- 3) 14
- 4) 28

Correct Answer: 14

QID : 217 -

How many triangles are there in the given figure?

दी गई आकृति में कितने त्रिभुज हैं?



Options:

- 1) 24
- 2) 30
- 3) 28

4) 29

Correct Answer: 29

QID : 218 - 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 insects are dangerous.
- II. All machines are dangerous.

Conclusions:

- I. All dangerous are insects.
- II. All dangerous are machines.
- III. Some machines are insects.

Options:

- 1) Only conclusion (I) follows.
- 2) Only conclusion (II) follows.
- 3) Only conclusion (III) follows.
- 4) No conclusion follows.

Correct Answer: No conclusion follows.

QID : 219 -

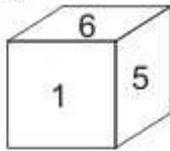
From the given options, which answer figure can be formed by folding the figure given in the question?

निम्नलिखित विकल्पों में से कौन सी उत्तर आकृति प्रश्न में दी गई आकृति को मोड़कर बनाई जा सकती है?

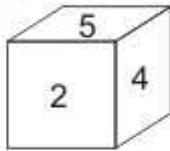
1	2
	6
	4
3	5

Options:

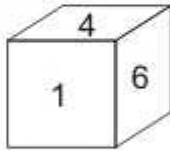
1)



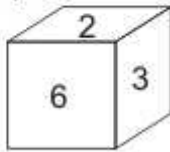
2)



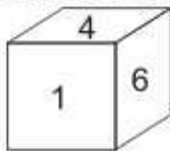
3)



4)



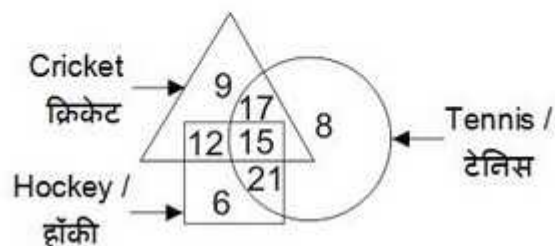
Correct Answer:



QID : 220 -

In the given figure, how many people like cricket and tennis both?

दी गई आकृति में, कितने लोग क्रिकेट तथा टेनिस दोनों पसंद करते हैं?



Options:

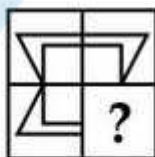
- 1) 17
- 2) 32
- 3) 15
- 4) 27

Correct Answer: 32

QID : 221 -

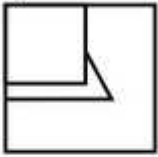
Which answer figure will complete the pattern in the question figure?

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

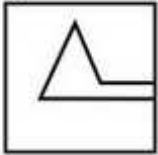


Options:

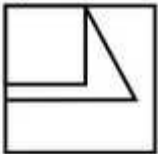
1)



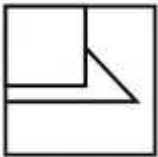
2)



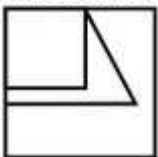
3)



4)



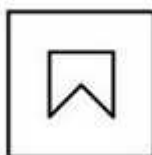
Correct Answer:



QID : 222 -

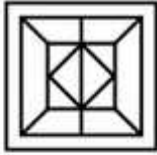
From the given answer figures, select the one in which the question figure is hidden/embedded.

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



Options:

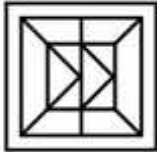
1)



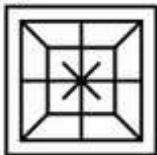
2)



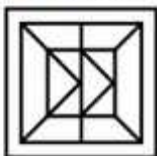
3)



4)



Correct Answer:



QID : 223 -

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?

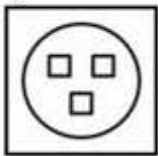


Options:

1)



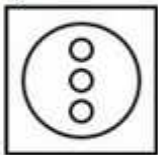
2)



3)



4)



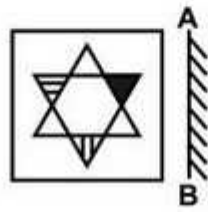
Correct Answer:



QID : 224 -

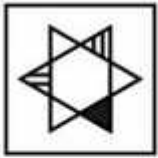
If a mirror is placed on the line AB, then which of the answer figures is the right image of the given figure?

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)



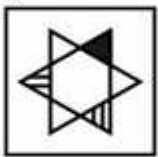
2)



3)



4)



Correct Answer:



QID : 225 -

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, 'O' can be represented by 30, 23, etc., and 'D' can be represented by 76, 88, etc. Similarly, you have to identify the set for the word "POND".

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 'O' को 30, 23, आदि द्वारा दर्शाया जा सकता है तथा 'D' को 76, 88, आदि द्वारा दर्शाया जा सकता है। इसी तरह से आपको प्रश्न में दिए शब्द "POND" के लिए समूह को पहचानना है।

Matrix-I

आव्यूह-I

	0	1	2	3	4
0	P	G	H	L	O
1	L	O	P	G	H
2	G	H	L	O	P
3	O	P	G	H	L
4	H	L	O	P	G

Matrix-II

आव्यूह-II

	5	6	7	8	9
5	N	T	D	S	U
6	S	U	N	T	D
7	T	D	S	U	N
8	U	N	T	D	S
9	D	S	U	N	T

Options:

- 1) 00, 04, 67, 57
- 2) 23, 12, 86, 69
- 3) 43, 24, 98, 95
- 4) 30, 42, 55, 87

Correct Answer: 00, 04, 67, 57

SSC CGL 2017 EXAM PAPER : Held on 08-AUG-2017
Shift-3
(General Awareness)

QID : 226 - Who takes the decision regarding the savings and loan activities in a Self Help Group (SHG)?

Options:

- 1) Private Bank
- 2) Reserve Bank of India
- 3) Members of group
- 4) Non Government Organizations

Correct Answer: Members of group

QID : 227 - Which amongst the following is not in the list of Maharatna?

Options:

- 1) Coal India Limited
- 2) Steel Authority of India Limited
- 3) Hindustan Petroleum Corporation Limited
- 4) Bharat Heavy Electricals Limited

Correct Answer: Hindustan Petroleum Corporation Limited

QID : 228 - In Indian constitution, the method of election of President has been taken from which country?

Options:

- 1) Britain
- 2) USA
- 3) Ireland
- 4) Australia

Correct Answer: Ireland

QID : 229 - What is the literal meaning of the term "Quo-Warranto"?

Options:

- 1) We command
- 2) To forbid
- 3) By what authority (or) warrant
- 4) None of these

Correct Answer: By what authority (or) warrant

QID : 230 - Who was given the title of "The Ambassador of Hindu – Muslim Unity" for being the architect and mastermind of the historic Lucknow Pact?

Options:

- 1) Sir Sayyad Ahmad Khan
- 2) Fazl-ul-Haq
- 3) Syed Mohammad Sharfuddin Quadri
- 4) Muhammad Ali Jinnah

Correct Answer: Muhammad Ali Jinnah

QID : 231 - What is the name of the court poet of King Harshavardhana?

Options:

- 1) Tulsidas
- 2) Banabhatta
- 3) Surdas
- 4) Raskhan

Correct Answer: Banabhatta

QID : 232 - Marble comes under which category of rocks?

Options:

- 1) Sedimentary

- 2) Igneous
- 3) Metamorphic
- 4) None of these

Correct Answer: Metamorphic

QID : 233 - Which of the following is most important for absorption of heat radiated from the Sun as well as from the Earth?

Options:

- 1) Carbon dioxide
- 2) Oxygen
- 3) Carbon monoxide
- 4) Nitrogen

Correct Answer: Carbon dioxide

QID : 234 - Which among the following has segmented body?

Options:

- 1) Phylum Mollusca
- 2) Phylum Arthropoda
- 3) Phylum Annelida
- 4) Phylum Coelenterata

Correct Answer: Phylum Annelida

QID : 235 - Synapse gap is present between which of the following?

Options:

- 1) Two neurons
- 2) Brain and Spinal Cord
- 3) Two Kidneys
- 4) None of these

Correct Answer: Two neurons

QID : 236 - Which organ has finger like outgrowths which are called as Villi (Singular Villus)?

Options:

- 1) Large Intestine
- 2) Bladder
- 3) Small Intestine
- 4) Stomach

Correct Answer: Small Intestine

QID : 237 - Which of the following is not a vector quantity?

Options:

- 1) Acceleration
- 2) Electric current
- 3) Force
- 4) Velocity

Correct Answer: Electric current

QID : 238 - The phenomena of raising the outer edge of the curved roads above the inner edge to provide necessary centripetal force to the vehicles to take a safe turn is called _____.

Options:

- 1) banking of roads
- 2) cornering of roads
- 3) elevation of roads
- 4) tempering of roads

Correct Answer: banking of roads

QID : 239 - C++ is _____.

Options:

- 1) an operating system
- 2) a programming language
- 3) a software
- 4) None of these

Correct Answer: a programming language

QID : 240 - What are isobars?

Options:

- 1) Elements with same atomic number but different mass number
- 2) Elements with different atomic number but same mass number
- 3) Elements with different atomic number and different mass number
- 4) Elements with same atomic number and same mass number

Correct Answer: Elements with different atomic number but same mass number

QID : 241 - Which of the following pairs is INCORRECT?

I. Haematite : Iron

II. Pitchblende : Copper

III. Monazite : Thorium

Options:

1) Only I

2) Only II

3) Only I and II

4) Only I and III

Correct Answer: Only II

QID : 242 - In which year did Kyoto Protocol came into force?

Options:

1) 2004

2) 2005

3) 2006

4) 2007

Correct Answer: 2005

QID : 243 - The 7th pay commission has retained the rate of annual increment of _____.

Options:

1) 2%

2) 2.57%

3) 3%

4) 3.5%

Correct Answer: 3%

QID : 244 - Who discovered malaria causing germs?

Options:

1) Christiaan Bernard

2) Charles Louis Alphonse Laveran

3) Dmitry Ivanovsky

4) Martinus William Beijerinck

Correct Answer: Charles Louis Alphonse Laveran

QID : 245 -

Match the following.

निम्नलिखित का मिलान कीजिए।

F1 Race / एफ1 रेस	Winner / विजेता
1. F1 Australian Grand Prix, 2017 एफ1 ऑस्ट्रेलियाई गैंड प्रिक्स, 2017	a. Sebastian Vettel सेबेस्टियन वेट्टल
2. F1 Russian Grand Prix, 2017 एफ1 रशियन गैंड प्रिक्स, 2017	b. Lewis Hamilton लुईस हैमिल्टन
3. F1 Chinese Grand Prix, 2017 एफ1 चीनी गैंड प्रिक्स, 2017	c. Valtteri Bottas वाल्तेरी बोतास

Options:

- 1) 1-a, 2-b, 3-c
- 2) 1-b, 2-a, 3-c
- 3) 1-b, 2-c, 3-a
- 4) 1-a, 2-c, 3-b

Correct Answer: 1-a, 2-c, 3-b

QID : 246 - Which of the following pair is INCORRECT?

Options:

- 1) Amjad Ali Khan - Tabla
- 2) Ustad Bismillah Khan - Shehnai
- 3) Hema Malini - Bharatnatyam
- 4) Shambhu Maharaj - Kathak

Correct Answer: Amjad Ali Khan - Tabla

QID : 247 - Who was conferred with the 2016 Nobel Prize for Literature?

Options:

- 1) Bob Dylan
- 2) Oliver Hart
- 3) Yoshinori Ohsumi
- 4) J. Michael Kosterlitz

Correct Answer: Bob Dylan

QID : 248 - Who is the author of the book titled 'The Gita for Children'?

Options:

- 1) Puja Changoiwala
- 2) Ruchira Gupta
- 3) Priyanka Mookerjee
- 4) Roopa Pai

Correct Answer: Roopa Pai

QID : 249 - With which country India celebrated its 25th year of diplomatic ties in 2017?

Options:

- 1) France
- 2) Russia
- 3) Israel
- 4) China

Correct Answer: Israel

QID : 250 - Which Asian country has opened 'Duge Bridge' (world's highest road bridge) for use in year 2016?

Options:

- 1) China
- 2) Russia
- 3) Japan
- 4) India

Correct Answer: China

SSC CGL 2017 EXAM PAPER : Held on 08-AUG-2017
Shift-3
(Mathematics)

QID : 251 - Which one is the largest among the fractions $(5/113)$, $(7/120)$, $(13/145)$ and $(17/160)$?

Options:

- 1) $5/113$
- 2) $7/120$
- 3) $13/145$
- 4) $17/160$

Correct Answer: $17/160$

QID : 252 - Nirmal can do $2/3$ of a job in 18 days. Kashish is twice as efficient as Nirmal. In how many days Kashish will complete the job?

Options:

- 1) $29/4$
- 2) $27/2$
- 3) $31/2$
- 4) $13/2$

Correct Answer: $27/2$

QID : 253 - 40 men took a dip in a pool 30 m long and 25 m broad. If the average water displaced by a man is 5 m³, then what will be the rise (in cm) in level of the pool?

Options:

- 1) 25
- 2) 26.66
- 3) 27.33
- 4) 28

Correct Answer: 26.66

QID : 254 - An article is listed at Rs 2375. A man purchases it at two successive discounts of 50% and 25% and spends Rs 165 on repairing of article. If he sells the article at a profit of 62.5%, then what is the selling price (in Rs) of the article?

Options:

- 1) 1467.6
- 2) 1492.6
- 3) 1715.39
- 4) 1467.6

Correct Answer: 1715.39

QID : 255 - The length, breadth and height of a cuboid are in the ratio 19 : 11 : 13. If length is 30 cm more than height, then what is the volume (in cm³) of this cuboid?

Options:

- 1) 81510
- 2) 89665
- 3) 195300
- 4) 339625

Correct Answer: 339625

QID : 256 - Average age of a team having 12 players is 23 years. If the age of the coach is also included, then the average age increases by 2 years. What is the age (in years) of the coach?

Options:

- 1) 41
- 2) 47
- 3) 49
- 4) 51

Correct Answer: 49

QID : 257 - An item is sold at two successive gains of 30% and 20%. If the final selling price is Rs 31200, then what is the cost price (in Rs)?

Options:

- 1) 15000
- 2) 20000
- 3) 22250
- 4) 24000

Correct Answer: 20000

QID : 258 - The number of trees in a town is 17640. If the numbers of trees increases annually at the rate of 5%, then how many trees were there 2 years ago?

Options:

- 1) 14000
- 2) 15000
- 3) 16000
- 4) 19450

Correct Answer: 16000

QID : 259 - Aman and Kapil starts from Delhi and Gwalior respectively towards each other at same time. They meet at Mathura and then take 196 minutes and 225 minutes respectively to reach Gwalior and Delhi. If speed of Aman is 30 km/hr, then what is the speed (in km/hr) of Kapil?

Options:

- 1) 28
- 2) 30
- 3) $225/7$
- 4) $392/15$

Correct Answer: 28

QID : 260 - The simple interest on a sum of money for 10 years is Rs 3130. If the principal becomes 5 times after 5 years, then what will be the total interest (in Rs) obtained after 10 years?

Options:

- 1) 6260
- 2) 7825
- 3) 9390

4) 15650

Correct Answer: 9390

QID : 261 -

If $\frac{11-13x}{x} + \frac{11-13y}{y} + \frac{11-13z}{z} = 5$, then what is the value of $\frac{1}{x} + \frac{1}{y} + \frac{1}{z}$?

यदि $\frac{11-13x}{x} + \frac{11-13y}{y} + \frac{11-13z}{z} = 5$, तो $\frac{1}{x} + \frac{1}{y} + \frac{1}{z}$ का मान क्या है?

Options:

- 1) 1
- 2) 13/11
- 3) 13/5
- 4) 4

Correct Answer: 4

QID : 262 - If $2x + (9/x) = 9$, then what is the minimum value of $x^2 + (1/x^2)$?

Options:

- 1) 95/36
- 2) 97/36
- 3) 86/25
- 4) 623/27

Correct Answer: 97/36

QID : 263 - If $(5x - y)/(5x + y) = 3/7$, then what is the value of $(4x^2 + y^2 - 4xy)/(9x^2 + 16y^2 + 24xy)$?

Options:

- 1) 0
- 2) 3/7
- 3) 18/49
- 4) 1/6

Correct Answer: 0

QID : 264 - If $(x + y)^2 = xy + 1$ and $x^3 - y^3 = 1$, then what is the value of $x - y$?

Options:

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

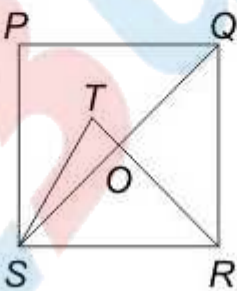
Correct Answer: 1

QID : 265 -

QID : 265 -

In the given figure, $PQRS$ is a square and SRT is an equilateral triangle. What is the value (in degrees) of $\angle SOR$?

दी गई आकृति में, $PQRS$ एक वर्ग है तथा SRT एक समबाहु त्रिभुज है। $\angle SOR$ का मान (डिग्री में) क्या है?



Options:

- 1) 45
- 2) 55
- 3) 60
- 4) 75

Correct Answer: 75

QID : 266 - ABCD is a parallelogram in which $AB = 7$ cm, $BC = 9$ cm and $AC = 8$ cm. What is the length (in cm) of other diagonal?

Options:

- 1) 14
- 2) $14\sqrt{2}$
- 3) 7
- 4) $7\sqrt{2}$

Correct Answer: 14

QID : 267 - How many diagonals are there in octagon?

Options:

- 1) 12
- 2) 14
- 3) 20
- 4) 24

Correct Answer: 20

QID : 268 - A square is inscribed in a quarter circle in such a way that two of its adjacent vertices on the radius are equidistant from the centre and other two vertices lie on the circumference. If the side of square is $\sqrt{5/2}$ cm, then what is the radius (in cm) of the circle?

Options:

- 1) 2
- 2) 2.5
- 3) 5
- 4) 10

Correct Answer: 2.5

QID : 269 - If $\sec^2 \theta + \tan^2 \theta = 5/3$, then what is the value of $\tan 2\theta$?

Options:

- 1) $2\sqrt{3}$
- 2) $\sqrt{3}$
- 3) $1/\sqrt{3}$
- 4) Cannot be determined

Correct Answer: $\sqrt{3}$

QID : 270 - A tower is broken at a point P above the ground. The top of the tower makes an angle 60° with the ground at Q. From another point R on the opposite side of Q angle of elevation of point P is 30° . If $QR = 180$ m, then what is the total height (in metres) of the tower?

Options:

- 1) 90
- 2) $45\sqrt{3}$
- 3) $45(\sqrt{3} + 1)$
- 4) $45(\sqrt{3} + 2)$

Correct Answer: $45(\sqrt{3} + 2)$

QID : 271 - If $\sin \theta + \sin 5\theta = \sin 3\theta$ and $0 < \theta < (\pi/2)$, then what is the value of θ (in degrees)?

Options:

- 1) 30
- 2) 45
- 3) 60
- 4) 75

Correct Answer: 30

QID : 272 -

The table given below represents the cost, revenue and tax rate for XYZ Limited for a period of 8 years. Cost and revenue are given in Rs '000 crores.

नीचे दी गई तालिका में XYZ लिमिटेड की 8 वर्षों की अवधि के लिए लागत, राजस्व तथा कर की दर को दर्शाया गया है। लागत तथा आय '000 करोड़ रु. में दी गई है।

Year वर्ष	Revenue राजस्व	Cost लागत	Tax rate कर की दर
Y1	800	600	20%
Y2	1100	850	22%
Y3	1200	900	22%
Y4	1200	950	25%
Y5	1350	1050	30%
Y6	1500	1200	30%
Y7	1600	1240	33%
Y8	1850	1400	15%

Profit for any year = revenue – cost

किसी वर्ष का लाभ = राजस्व – लागत

Profit after tax for any year = profit of that year – tax of that year

किसी वर्ष के लिए कर के बाद का लाभ = उस वर्ष का लाभ – उस वर्ष का कर

Tax on any year = tax rate of that year × profit of the year

किसी वर्ष का कर = उस वर्ष के कर की दर × उस वर्ष का लाभ

How much tax (in Rs '000 crores) was paid by XYZ limited in Y7?

Options:

- 1) 90
- 2) 99
- 3) 118.8
- 4) 126

Correct Answer: 118.8

QID : 273 -

The table given below represents the cost, revenue and tax rate for XYZ Limited for a period of 8 years. Cost and revenue are given in Rs '000 crores.

नीचे दी गई तालिका में XYZ लिमिटेड की 8 वर्षों की अवधि के लिए लागत, राजस्व तथा कर की दर को दर्शाया गया है। लागत तथा आय '000 करोड़ रु. में दी गई है।

Year वर्ष	Revenue राजस्व	Cost लागत	Tax rate कर की दर
Y1	800	600	20%
Y2	1100	850	22%
Y3	1200	900	22%
Y4	1200	950	25%
Y5	1350	1050	30%
Y6	1500	1200	30%
Y7	1600	1240	33%
Y8	1850	1400	15%

Profit for any year = revenue – cost

किसी वर्ष का लाभ = राजस्व – लागत

Profit after tax for any year = profit of that year – tax of that year

किसी वर्ष के लिए कर के बाद का लाभ = उस वर्ष का लाभ – उस वर्ष का कर

Tax on any year = tax rate of that year × profit of the year

किसी वर्ष का कर = उस वर्ष के कर की दर × उस वर्ष का लाभ

Which of the following is correct about profit after tax for year Y2, Y6 and Y8?

Options:

- 1) $Y8 > Y6 = Y2$
- 2) $Y6 > Y2 > Y8$
- 3) $Y8 > Y6 > Y2$
- 4) $Y6 = Y8 > Y2$

Correct Answer: $Y8 > Y6 > Y2$

QID : 274 -

The table given below represents the cost, revenue and tax rate for XYZ Limited for a period of 8 years. Cost and revenue are given in Rs '000 crores.

नीचे दी गई तालिका में XYZ लिमिटेड की 8 वर्षों की अवधि के लिए लागत, राजस्व तथा कर की दर को दर्शाया गया है। लागत तथा आय '000 करोड़ रु. में दी गई है।

Year वर्ष	Revenue राजस्व	Cost लागत	Tax rate कर की दर
Y1	800	600	20%
Y2	1100	850	22%
Y3	1200	900	22%
Y4	1200	950	25%
Y5	1350	1050	30%
Y6	1500	1200	30%
Y7	1600	1240	33%
Y8	1850	1400	15%

Profit for any year = revenue – cost

किसी वर्ष का लाभ = राजस्व – लागत

Profit after tax for any year = profit of that year – tax of that year

किसी वर्ष के लिए कर के बाद का लाभ = उस वर्ष का लाभ – उस वर्ष का कर

Tax on any year = tax rate of that year × profit of the year

किसी वर्ष का कर = उस वर्ष के कर की दर × उस वर्ष का लाभ

How many distinct values of yearly profit are there?

Options:

- 1) 3
- 2) 4
- 3) 5
- 4) 6

Correct Answer: 5

QID : 275 -

The table given below represents the cost, revenue and tax rate for XYZ Limited for a period of 8 years. Cost and revenue are given in Rs '000 crores.

नीचे दी गई तालिका में XYZ लिमिटेड की 8 वर्षों की अवधि के लिए लागत, राजस्व तथा कर की दर को दर्शाया गया है। लागत तथा आय '000 करोड़ रु. में दी गई है।

Year वर्ष	Revenue राजस्व	Cost लागत	Tax rate कर की दर
Y1	800	600	20%
Y2	1100	850	22%
Y3	1200	900	22%
Y4	1200	950	25%
Y5	1350	1050	30%
Y6	1500	1200	30%
Y7	1600	1240	33%
Y8	1850	1400	15%

Profit for any year = revenue – cost

किसी वर्ष का लाभ = राजस्व – लागत

Profit after tax for any year = profit of that year – tax of that year

किसी वर्ष के लिए कर के बाद का लाभ = उस वर्ष का लाभ – उस वर्ष का कर

Tax on any year = tax rate of that year × profit of the year

किसी वर्ष का कर = उस वर्ष के कर की दर × उस वर्ष का लाभ

What is the total sum (in '000 crores) of profit after tax for Y1 to Y8?

Options:

- 1) 1763.6
- 2) 1803.2
- 3) 1820.2
- 4) 1872.4

Correct Answer: 1820.2

SSC CGL 2017 EXAM PAPER : Held on 08-AUG-2017
Shift-3
(English Comprehension)

QID : 276 - In the following question, some part of the sentence may have errors. Find out which part of the sentence has an error and select the appropriate option. If a sentence is free from error, select 'No Error'.

My elder son deals with (1)/ spare parts and manages (2)/ his bread and butter. (3)/ No Error (4)

Options:

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

Correct Answer: 1

QID : 277 - In the following question, some part of the sentence may have errors. Find out which part of the sentence has an error and select the appropriate option. If a sentence is free from error, select 'No Error'.

Sneha was accused for murder of her husband (1)/ but the court found her (2)/ not guilty and acquitted her. (3)/ No Error (4)

Options:

- 1) 1

2) 2

3) 3

4) 4

Correct Answer: 1

QID : 278 - In the following question, the sentence given with blank to be filled in with an appropriate word. Select the correct alternative out of the four and indicate it by selecting the appropriate option.

My sister's marriage passed _____ peacefully.

Options:

1) away

2) by

3) off

4) out

Correct Answer: off

QID : 279 - In the following question, the sentence given with blank to be filled in with an appropriate word. Select the correct alternative out of the four and indicate it by selecting the appropriate option.

There are _____ books on computer science in your school library, so you need to purchase them from the market.

Options:

1) a few

2) a little

3) few

4) the few

Correct Answer: few

QID : 280 - In the following question, out of the four alternatives, select the word similar in meaning to the word given.

Atrocity

Options:

1) Difficulty

2) Barbarity

3) Shy

4) Gloomy

Correct Answer: Barbarity

QID : 281 - In the following question, out of the four alternatives, select the word similar in meaning to the word given.

Procrastinate

Options:

- 1) Divert
- 2) Deceive
- 3) Debase
- 4) Delay

Correct Answer: Delay

QID : 282 - In the following question, out of the four alternatives, select the word opposite in meaning to the word given.

Raucous

Options:

- 1) Dulcet
- 2) Hoarse
- 3) Jarring
- 4) Torrent

Correct Answer: Dulcet

QID : 283 - In the following question, out of the four alternatives, select the word opposite in meaning to the word given.

Predilection

Options:

- 1) Inclination
- 2) Enduring
- 3) Enmity
- 4) Domicile

Correct Answer: Enmity

QID : 284 - In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase.

A wild goose chase

Options:

- 1) Fruitful search
- 2) Timely search

3) Useless search

4) Wrong decision

Correct Answer: Useless search

QID : 285 - In the following question, out of the four alternatives, select the alternative which best expresses the meaning of the idiom/phrase.

A moot point

Options:

1) Agreeable

2) Disputed

3) Unclear

4) Unknown

Correct Answer: Disputed

QID : 286 - Improve the bracketed part of the sentence.

The Chairman appointed her (as a secretary) as she is efficient.

Options:

1) a secretary

2) as secretary

3) secretary

4) No improvement

Correct Answer: No improvement

QID : 287 - Improve the bracketed part of the sentence.

I wish I (was) a superman.

Options:

1) am

2) have been

3) were

4) No improvement

Correct Answer: were

QID : 288 - In the following question, out of the four alternatives, select the alternative which is the best substitute of the phrase.

One who is honourably discharged from service

Options:

- 1) Belligerent
- 2) Emeritus
- 3) Truant
- 4) Mercenary

Correct Answer: Emeritus

QID : 289 - In the following question, out of the four alternatives, select the alternative which is the best substitute of the phrase.

A perception without objective reality

Options:

- 1) Cynicism
- 2) Hallucination
- 3) Illusion
- 4) Optimism

Correct Answer: Hallucination

QID : 290 - In the following question, four words are given out of which one word is incorrectly spelt. Select the incorrectly spelt word.

Options:

- 1) Anxiety
- 2) Believe
- 3) Height
- 4) Peity

Correct Answer: Peity

QID : 291 - In the following question, four words are given out of which one word is incorrectly spelt. Select the incorrectly spelt word.

Options:

- 1) Admited
- 2) Benefited
- 3) Married
- 4) Offered

Correct Answer: Admited

QID : 292 - The question below consists of a set of labelled sentences. Out of the four options given, select the most logical order of the sentences to form a coherent paragraph.

P- Granted, political defection is increasingly less an act of ideological defiance than one of pure opportunism.

Q- Yet, for all its flaws, the current law recognizes and respects one fundamental principle: The right to dissent.

R- A blanket ban on defection will weaken rather than strengthen democracy, in whose name it is being sought to be imposed.

S- Granted also that it is illogical to allow a third of the party to split but not in a lesser number.

Options:

- 1) RPSQ
- 2) PSRQ
- 3) RSPQ
- 4) PRSQ

Correct Answer: RPSQ

QID : 293 - The question below consists of a set of labelled sentences. Out of the four options given, select the most logical order of the sentences to form a coherent paragraph.

P- As difficult as it may be to recognize what it is inside us that is making us respond with negativity, that is the path towards forgiveness.

Q- This will automatically change your relationship with the other person and you will feel much better.

R- We need to recognize our reaction to the other person as a mirror of something in ourselves.

S- Whatever the issues might be, once you have discovered them, you can work on forgiving yourself.

Options:

- 1) SQRP
- 2) SRQP
- 3) RQPS
- 4) RPSQ

Correct Answer: RPSQ

QID : 294 - In the following question, a sentence has been given in Active/Passive voice. Out of the four alternatives suggested, select the one which best expresses the same sentence in Passive/Active voice.

After driving Dr. Bose to the hospital he dropped him at his guest house.

Options:

- 1) After being driven to the hospital Dr. Bose was dropped at his guest house.

- 2) After he had driven Dr. Bose to the hospital he had dropped him at his guest house.
- 3) After he was driving Dr. Bose to the hospital he was dropping him at his guest house.
- 4) Dr. Bose was being driven to the hospital first and then he was being dropped at his guest house.

Correct Answer: After being driven to the hospital Dr. Bose was dropped at his guest house.

QID : 295 - In the following question, a sentence has been given in Direct/Indirect speech. Out of the four alternatives suggested, select the one which best expresses the same sentence in Indirect/Direct speech.

I said to my friends, "let us go to a picnic for a change".

Options:

- 1) I asked my friends if they would go to a picnic for a change.
- 2) I asked my friends to go to a picnic for a change.
- 3) I permitted my friends to go to a picnic for a change.
- 4) I suggested to my friends that we should go to a picnic for a change.

Correct Answer: I suggested to my friends that we should go to a picnic for a change.

QID : 296 - In the following questions, the sentence given with blank to be filled in with an appropriate word. Select the correct alternative out of the four and indicate it by selecting the appropriate option.

Literature is a _____ through which a person conveys his ideas towards or protest _____ different norms of society. The words that deal with a _____ issue are of particular importance in literature. They are _____ with a particular purpose in _____.

Literature is a _____ through which a person

Options:

- 1) base
- 2) medium
- 3) source
- 4) subject

Correct Answer: medium

QID : 297 - In the following questions, the sentence given with blank to be filled in with an appropriate word. Select the correct alternative out of the four and indicate it by selecting the appropriate option.

Literature is a _____ through which a person conveys his ideas towards or protest _____ different norms of society. The words that deal with a _____ issue are of particular importance in literature. They are _____ with a particular purpose in _____.

conveys his ideas towards or protest _____ different norms

Options:

- 1) against
- 2) for
- 3) in
- 4) off

Correct Answer: against

QID : 298 - In the following questions, the sentence given with blank to be filled in with an appropriate word. Select the correct alternative out of the four and indicate it by selecting the appropriate option.

Literature is a _____ through which a person conveys his ideas towards or protest _____ different norms of society. The words that deal with a _____ issue are of particular importance in literature. They are _____ with a particular purpose in _____.

of society. The words that deal with a _____ issue

Options:

- 1) broad
- 2) insensitive
- 3) moral
- 4) economical

Correct Answer: moral

QID : 299 - In the following questions, the sentence given with blank to be filled in with an appropriate word. Select the correct alternative out of the four and indicate it by selecting the appropriate option.

Literature is a _____ through which a person conveys his ideas towards or protest _____ different norms of society. The words that deal with a _____ issue are of particular importance in literature. They are _____ with a particular purpose in _____.

are of particular importance in literature. They are _____ with

Options:

- 1) brought

- 2) founded
- 3) represented
- 4) written

Correct Answer: written

QID : 300 - In the following questions, the sentence given with blank to be filled in with an appropriate word. Select the correct alternative out of the four and indicate it by selecting the appropriate option.

Literature is a _____ through which a person conveys his ideas towards or protest _____ different norms of society. The words that deal with a _____ issue are of particular importance in literature. They are _____ with a particular purpose in _____.

a particular purpose in _____.

Options:

- 1) all
- 2) hand
- 3) mind
- 4) total

Correct Answer: mind