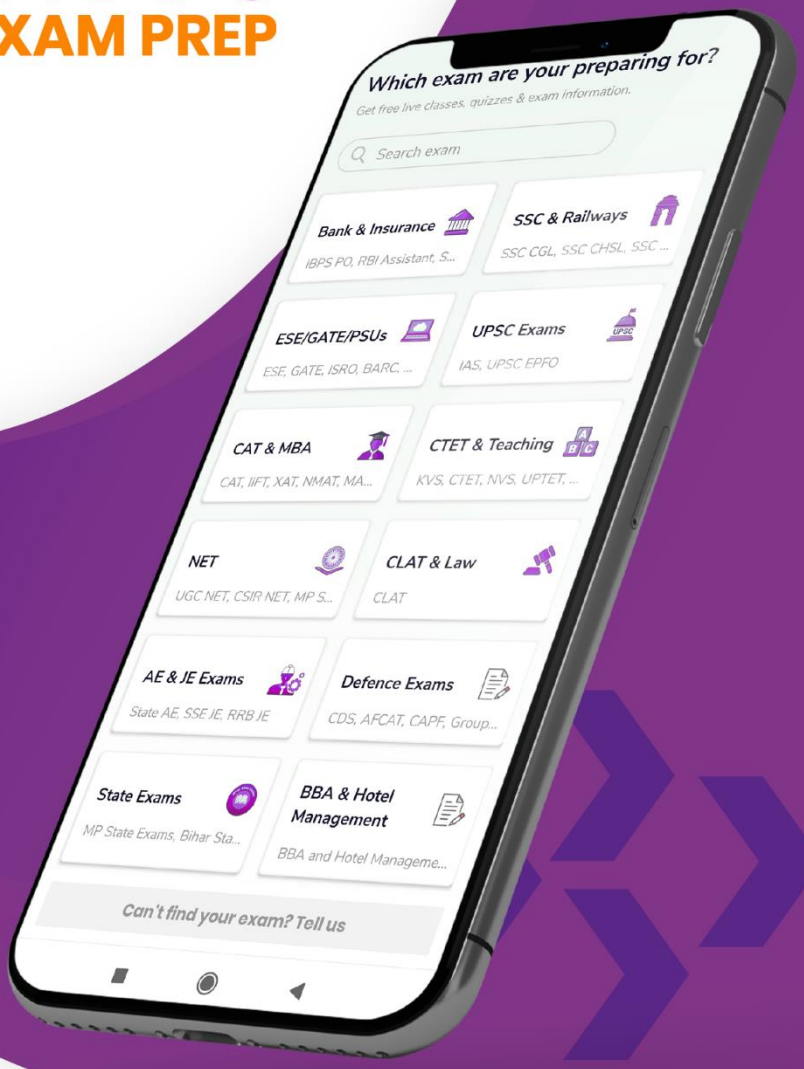
BYJU'S EXAM PREP



SSC CGL 2021
Tier 1
11th April 2022 (Shift 1)

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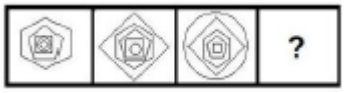
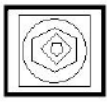
1. Select the figure from among the gives options that can replace the question mark (?) in the following series.



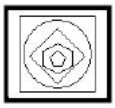
A.



B.

C.

D.



Ans.(D)

2. Select the option that is related to the third number in the same way as the second number is related to the first number.

52 : 91 : : 72 : ?

A. 98

B. 126

C. 109

D. 138

Ans. (B)

3. If the signs '+' and '÷' are interchanged, then which of the following equations can be correctly balanced?

A. 12 + 4 − 8 ÷ 3 = 11

B. 24 − 12 ÷ 6 + 3 = 20

C. 16 + 4 × 8 ÷ 3 = 45

D. 22 + 11 × 8 ÷ 3 = 19

Ans. (D)

4. In a certain code language, 'your attention please' is written as 'puw cuw zuw'. 'kind attention' is written as 'muw zuw'. and 'please pay attention' is written as 'puw zuw ruw'. How will 'pay' be written in that language?

A. puw

B. zuw

C. ruw

D. cuw

Ans. (C)

5. Select the option that is related to the third term in the same way as the second term is related to the first term.

FRONTIER : GSNOUHDS : : CLOSING : ?

A. DMNTHOH

B. BMPTHOH

C. DMNRHLH

D. DKNTJOH

Ans. (A)

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

Statement:

All fruit are leaves.

Some mangoes are rotten.

All rotten are fruits.

Conclusion:

I. Some leaves are rotten

II. Some mangoes are fruits.

III. All leaves are either rotten or mangoes.

A. All the conclusions follow.

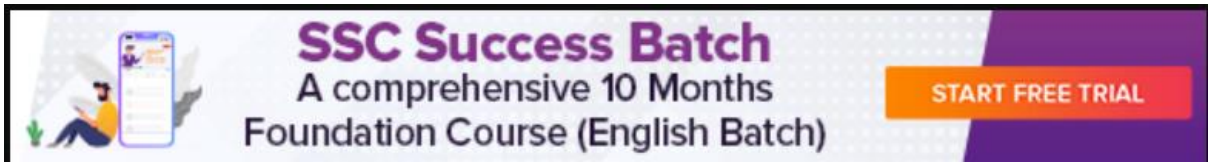
B. Only conclusion II and III follow

C. Only conclusion II follows

D. Only conclusions I and II follow

Ans. (D)

7. Select the combination of letters that when sequentially placed in the



blank of the given series will complete the series.

C _ BN _ _ V _ _ HC _ B _ H

A. VCBHNVN

B. HVCNBVN

C. VHCBNVN

D. VHBNCHV

Ans. (C)

8. Select the number from among the given options that can replace the question mark (?) in the following series.

16, 35, ? , 217, 653, 1309

A. 72

B. 128

C. 77

D. 107

Ans. (D)

9. Select the Venn diagram that best iilustrates the relationship between the following classes.

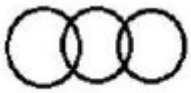
Planets, Mars, Venus

A.

B.

C.

D.



Ans. (B)

10. Four letter-clusters have been given, out of which three are alike in some manner and one is different. Select the letter-cluster that is different.

A. TVYCH

B. NPSWB

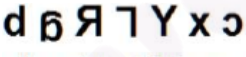
C. UWZBI

D. ACFJO

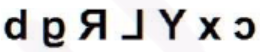
Ans. (C)

11. Select the correct minor of the given combination when the mirror is placed at 'PQ' as shown.

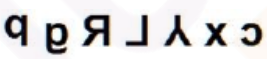
A.



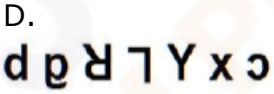
B.



C.



D.



Ans. (B)

12. 'A # B' means 'A is the father of B'.

'A % B' means 'A is the mother of B'.

'A @ B' means 'A is the sister of B'.

'A & B' means 'A is the son of B'.

If 'G # M # T % S @ H & R & W @U'. then which of the following statements is NOT correct?

A. G is the paternal grandfather of T.

B. W is the maternal grandfather of H.

C. R is the husband of T.

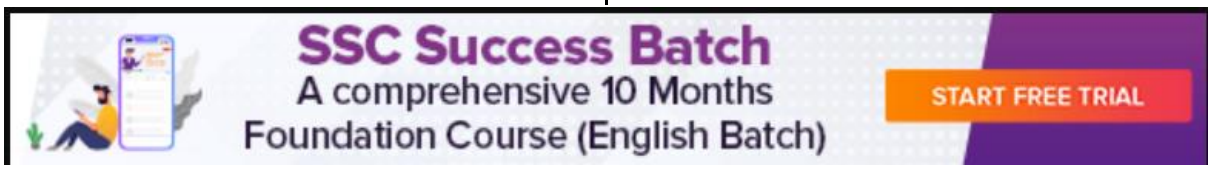
D. M is the maternal grandfather of S.

Ans. (B)

13. Select the correct option that indicates the arrangement of the given course of actions in a logical and meaningful order.

1. Open email account

2. Compose email



3. Start computer
4. Enter email address
5. Write the content
6. Send the mail

A. 1, 3, 1, 2, 4, 5, 6
B. 2, 2, 5, 1, 3, 4, 6
C. 3, 3, 2, 6, 1, 5, 4
D. 4, 3, 1, 2, 6, 5, 4

Ans. (A)

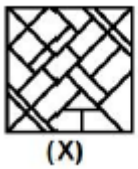
14. Select the letter-cluster from among the given options that can replace the question mark (?) in the following series.

HDMS, OVVI, VNEY, CFNO, ?

A. JYWF
B. JXWE
C. KXWE
D. JXXF

Ans. (B)

15. Select the option that is NOT embedded in the given figure (X)(rotation is NOT allowed).


(X)

A.

B.

C.

D.

Ans. (B)

16. A is 25 years younger than B. The age of B would be double the age of C after 15 years. The current age of B is three times the current age of C. what is the current age of A?

A. 25 years
B. 20 years
C. 15 years
D. 30 years

Ans. (B)

17. Eight north-facing restaurants named P, Q, R, S , T, U, V and W are located in a straight line. S is second to the left of T. W is third to the left of P. T is between P and V. S is third to the left of V.W is the immediate right of U.R is third to the right of P, Who is sitting fourth to the right of S?

A. U
B. W
C. R
D. V

Ans. (C)

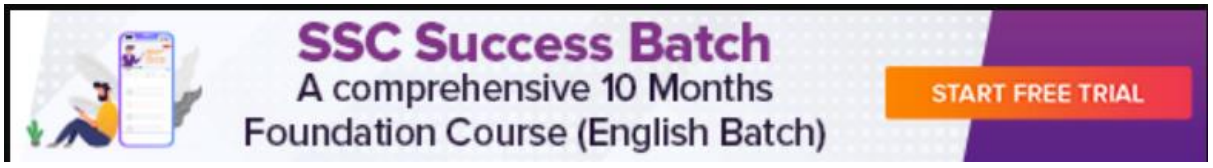
18. Study the given pattern carefully and select the number from among the given options that can replace the question mark (?) in it.

11	15	9
14	16	?
75	31	88

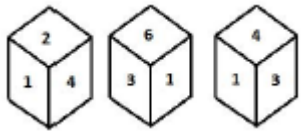
A. 13
B. 22
C. 18
D. 25

Ans. (A)

19. Three different positions of the same dice are shown, the six faces of which are numbered from 1 to 6.



Select the number that will be on the face opposite to the face having the number '5'.

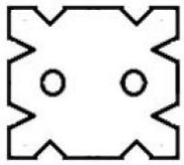


A. 3
B. 1
C. 6
D. 2
Ans. (B)

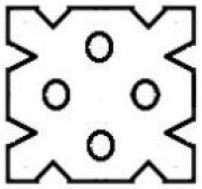
20. Srinija walked 9 km towards the west from her home, then turned towards the south and walked 11 km. Then she walked 13 km towards the east, and finally walked 4km towards the west. How far is Srinjia from her initial position?
A. 11 km
B. 15 km
C. 13 km
D. 10 km
Ans. (A)

21. The sequence of folding a piece of paper and the manner in which the folded paper has been cut is shown in the following figures. How would this paper look when unfolded?

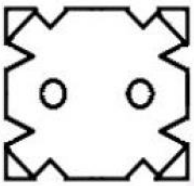
A.



B.



C.



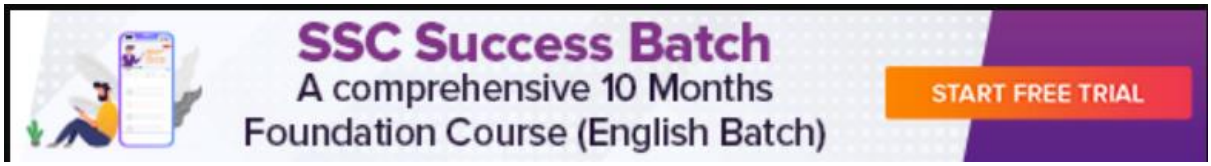
D.

Ans. (A)

22. Select the number from among the given options that can replace the question mark (?) in the following series.
62, 74, 80, 86, 95, ? , 158
A. 100
B. 108
C. 122
D. 113
Ans. (D)

23. In a code language, SOUP is written as TWO. How will BOWL be written in that language?
A. CPVW
B. ANVK
C. APVM
D. CNXK
Ans. (D)

24. If A denotes 'addition'. 'B denotes 'multiplication'. C denotes 'subtraction'. and D devnotes 'division'. Then what will be the value of the following expression?
46 C (6 A 7) B 5 A 24 D 6 B (27 D (9 D 3))



A. 21
B. 17
C. 39
D. 65
Ans. (B)

25. In a code language, if PEN is written as 17717, then how will CAP be written in the same language?
A. 4319
B. 2320
C. 4219
D. 2319
Ans. (A)

General Awareness

1. The Nobel Prizes in Literature 2020 was awarded to _____.
A. Olga Tokarczuk
B. kazoo Ishiguro
C. Louise Gluck
D. Peter Handke
Ans. (C)

2. Who among the following was elected as the president of the Asian Cricket Council (ACC) in January 2021?
A. Sachin Tendulkar
B. Sourav Ganguly
C. Anurag Thakur
D. Jay Shah
Ans. (D)

3. Which of the following is NOT a part of a flower?
A. Stamen
B. Petiole
C. Sepal
D. Pistil
Ans. (B)

4. As a part of Mission Sagar-IV, Indian Naval Ship Jalashwa arrived at Port Anjouan, Comoros on 14 March 2021 to deliver 1,000 metric tonnes of:
A. rice
B. tea
C. sugar
D. wheat
Ans. (A)

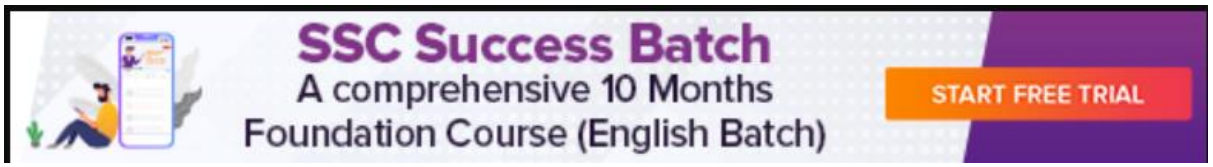
5. Which of the following diseases CANNOT be prevented by vaccination?
A. Rabies
B. Beri beri
C. Typhoid
D. Measkes
Ans. (B)

6. Which law of Newton provides a quantitative definition of force?
A. Universal law of gravitation
B. Second law of motion
C. First law of motion
D. Third law of motion
Ans. (B)

7. The foul smell from a body specially during a sultry summer is due to the action of _____ on sweat.
A. melanin
B. moisture
C. bacteria
D. virus
Ans. (C)

8. Who among the following first argued that in the face of high deficits, people save more?
A. Amartya sen
B. Esther Duflo
C. Adam Smith
D. David Ricardo
Ans. (D)

9. Which of the following Harappen sites is in Haryana?
A. Kalibangan
B. Lothal
C. Rakhigarhi
D. Dholavira
Ans. (D)



10. The value of the Gross Domestic Product (GDP) of India is published by PIB in _____.
A. US Dollar
B. Yen
C. Yuan
D. Indian Rupee
Ans. (D)

11. Approximately how much percentage (nearest to integer) of total water on the surface of earth is accounted for by the oceans?
A. 96
B. 97
C. 94
D. 92
Ans. (B)

12. As per the Union Budget of 2021-22, how many textile parks are to be set up in 3 years?
A. Eight
B. Six
C. Five
D. Seven
Ans. (D)

13. Ozone is an allotrope of _____.
A. carbon dioxide
B. oxygen
C. hydrogen
D. nitrogen
Ans. (B)

14. Who among the following athletes was appointed as the Deputy Superintendent of Police by the Assam Government in February 2021?
A. Deepika kumari
B. Ekta Bhyan
C. Dutee Chand
D. Hima Das
Ans. (D)

15. Which of the following cities won the hosting rights of the 2030 Asian Games in December 2020?
A. Jakarta
B. Doha
C. Seoul
D. Shanghai
Ans. (B)

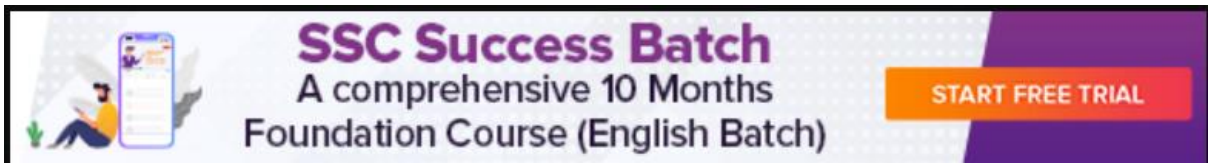
16. The Deomali is the highest mountain peak of _____.
A. Assam
B. West Bengal
C. Bihar
D. Odisha
Ans. (D)

17. Who among the following was ruler of the Rashtrakuta dynasty?
A. Kanishka
B. Samudragupta
C. Dhruva
D. Ashoka
Ans. (C)

18. Which of the following is a UNESCO recognised dance from?
A. Bhangra
B. Dalkhai
C. Kalbelia
D. Giddha
Ans. (C)

19. Which of the following environment events is observed by switching off all lights at homes, business establishments, landmarks and so on for an hour?
A. World Environment
B. Earth Hour
C. Earth Charter
D. Earth Day
Ans. (B)

20. Which of the following Amendments of the Constitution of India declared that the Parliament has the power to abridge or take away any of the Fundamental Rights under Article 368 and such an Act, will NOT be a law under the meaning of Article 13?



A. Twenty-third Amendment
B. Twentieth Amendment
C. Twenty-fourth Amendment
D. Twenty-eighth Amendment
Ans. (C)

21. Me-Dum-Me-Phi is an ancestor-worship festival celebrated in the state of _____.
A. Madhya Pradesh
B. Himachal Pradesh
C. Assam
D. Goa
Ans. (C)

22. Which of the following crops is described as – 'it is a crop which is used both as food and fodder. It is a Kharif crop that requires temperature between 21°C to 27°C and grows well in old alluvial soil'?
A. Sesamum
B. Maize
C. Bajra
D. Ragi
Ans. (B)

23. Who among the following presidents of India gave assent to the 100th Amendment of the constitution of India?
A. Pranab Mukherjee
B. Ram Nath Kovind
C. A P J Abdul Kalam
D. Pratibha Devisingh Patil
Ans. (A)

24. During the rule of which of the following dynasties did Timur or Tamestane invade India in 1398 AD?
A. The Slave dynasty
B. The Sayyad dynasty
C. The Tughlaq dynasty
D. The Khilji dynasty
Ans. (C)

25. The Government of National Capital Territory of Delhi (Amendment) Bill, 2021, which was passed in March 2021 amended the Government of National Capital Territory of Delhi Act, _____.
A. 1998
B. 1994
C. 1996
D. 1991
Ans. (D)

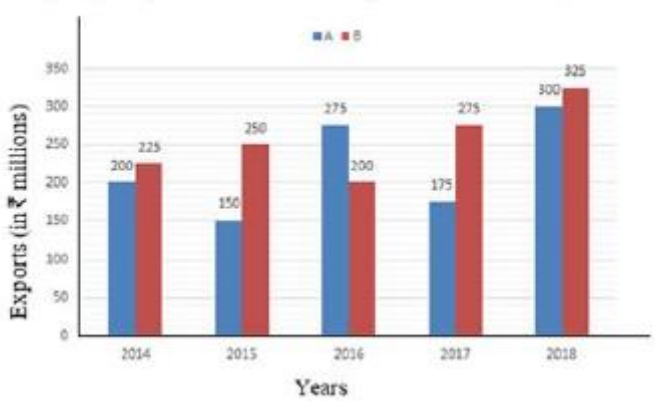
Quantitative Aptitude

1. Find the value of $70^3 + 20^3 - 90^3$
A. 0
B. 378000
C. -378000
D. -30000
Ans. (C)

2. On simple interest, a certain sum becomes Rs.59,200 in 6 years and Rs.72,000 in 10 years. If the rate of interest had been 2% more, then in how many years would the sum have become Rs.76,000?
A. 10
B. 9
C. 8
D. 7
Ans. (B)

3. The given bar graph shows exports of cars of type A and B (in Rs. million) from 2014 to 2018. Study the graph and answer the question that follows.

Study the graph and answer the question that follows.



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What is the ratio of the total exports of cars of cars of type A in 2017 and 2018 of the total exports of cars of type B in 2015 and 2017?

A. 20 : 21

B. 10 : 9

C. 5 : 4

D. 13 : 12

Ans.(A)

4. Monthly expenditure of a family on different heads is shown in the following pie chart .

What is the percentage of family earnings spent on rent?

Expenditure on different Heads

A. $15\frac{3}{4}$

B. $16\frac{2}{3}$

C. $16\frac{1}{3}$

D. 15

Ans. (B)

5. The difference between the two perpendicular sides of a right-angled triangle is 17 cm and its area is 84 cm^2. What is the perimeter (in cm) of the triangle?

A. 40

B. 49

C. 36

D. 56

Ans. (D)

6. Find the value of the following expression:

$$\frac{5-35,\ 5'\ 15+5}{12-2}$$

A. –9.5

B. –13.5

C. –2.5

D. 11.5

Ans. (A)

7. The average of 9 consecutive numbers is 20. The smallest of these numbers is:

A. 10

B. 20

C. 16

D. 12

Ans. (C)

8. The price of petrol shot up by 5%. Before the hike, the price was Rs.82 per litre. A man travels 3045 km every month and his car gives a mileage of 15 km per litre. What is the increase in the monthly expenditure (to the nearest Rs.) on the man's travel due to the hike in the petrol prices?

A. 832

B. 859

C. 758

D. 944

Ans. (A)

9. A trader sells an article for Rs.425 and loss 15%. At what price (in Rs.) should he sell the article to earn 5 % profit?

A. 505

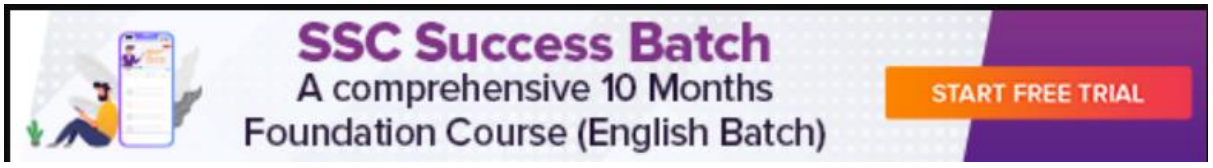
B. 510

C. 445

D. 525

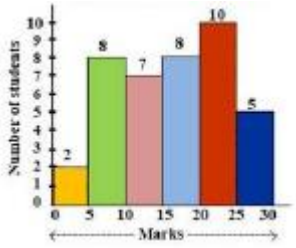
Ans. (D)

10. The following histogram shows the marks scored by 40 students in a test of 30 marks. A student has to score a minimum of 10 marks to pass the test.



How many students have scored less than two-third of the total marks?

Marks scored in 30 marks test



A. 35
B. 17
C. 25
D. 32
Ans. (C)

11. A, B and C can do a work in 8, 10 and 12 days, respectively. After completing the work together the work together, they received Rs.5,550. What is the share of B (in Rs.) in the amount received?
A. 1,500
B. 1,850
C. 1,800
D. 1,696
Ans. (C)

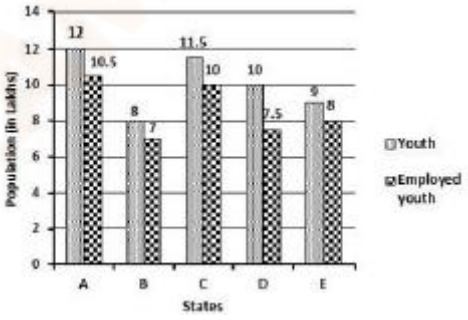
12. What is the different in the volume (in cm^3) of a sphere of radius 7 cm and that of a cone of radius 7 cm and height 10 cm? (Use $\pi = \frac{22}{7}$)
A. 205
B. 704
C. 924
D. 1078
Ans. (C)

13. If $3\sec^2\theta + \tan\theta - 7 = 0$, $0^\circ < \theta < 90^\circ$, then what is the value of $\left(\frac{2\sin\theta + 3\cos\theta}{\mathrm{cosec}\theta + \sec\theta}\right)$?
A. 10
B. $\frac{5}{2}$
C. $\frac{5}{4}$
D. $4\sqrt{2}$
Ans. (C)

14. The bisector of $\angle B$ in ΔABC meets AC at D. If AB = 12 cm, BC = 18 cm and AC = 15 cm, then the length of AD (in cm) is:
A. 6
B. 5
C. 12
D. 9
Ans. (A)

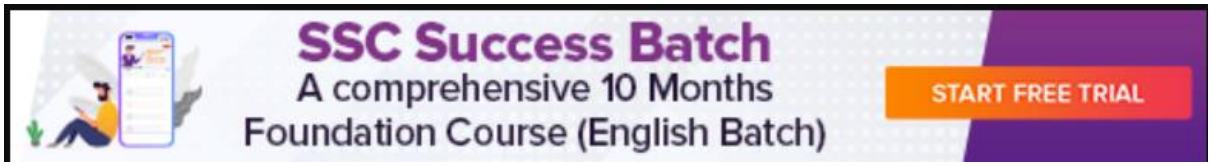
15. The following bar graph shows the total number of youth (in lakhs) and the number of employed youth (in lakhs) in 5 states A, B, C, D and E,

What is the ratio of the number of youth in states A, C and E taken together to the number of employed youth in states B, C and D taken together?



A. 65 : 59
B. 65 : 49
C. 8 : 7
D. 57 : 49
Ans. (B)

16. A tangent is drawn from a point P to a circle, which meets the circle at T such that PT = 10.5 cm. A secant PAB intersects the circle in points A and B. If PA = 7 cm, what is the length (in cm) of the chord AB?
A. 8.5
B. 8.75



C. 7.75
D. 8.45
Ans. (B)

17. What is the remainder when the product of 335, 608 and 853 is divided by 13?
A. 11
B. 12
C. 6
D. 7
Ans. (D)

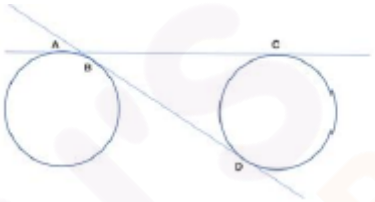
18. The marked price of an article in Rs625, After allowing a discount of 32% on the marked price, there was a profit of Rs.25, The profit percentage (correct to the nearest integer) is:
A. 5%
B. 4%
C. 6%
D. 7%
Ans. (C)

19. At present, A is younger than B by 8 years. If 4 years ago, their ages were in the ratio 1 : 2, then what is the present age of B (in years)?
A. 11
B. 20
C. 12
D. 18
Ans. (B)

20. Which is the smallest multiple of 7, which leaves 5 as remainder in each case, when divided by 8, 9, 12 and 15?
A. 365
B. 1085
C. 2525
D. 725
Ans. (B)

21. The ratio of the speeds of two trains is 2 : 7 If the first train runs 250 km in 5 hours, then the sum of the speeds (in km/h) of both the trains is:
A. 250
B. 175
C. 150
D. 225
Ans. (D)

22. Two common tangents AC and BD touch two equal circles each of radius 7 cm, at points A, C, B and D, respectively, as shown in the figure. If the length of BD is 48 cm, what is the length of AC?

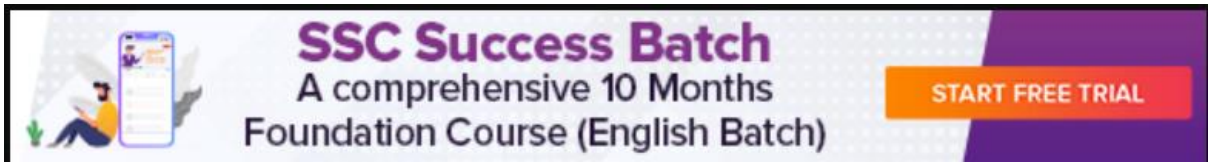


A. 40 cm
B. 30 cm
C. 50 cm
D. 48 cm
Ans. (C)

23. If $x + y + z = 11$, $xy + yz + zx = -6$, and $x^3 + y^3 + z^3 = 1604$, then the value of xyz is :
A. 25
B. 4
C. 1
D. 5
Ans. (A)

24. If $\cot B = \frac{12}{5}$, what is the value of sec B?
A. $\frac{5}{12}$
B. $\frac{13}{12}$
C. $\frac{13}{5}$
D. $\frac{12}{13}$
Ans. (B)

25. A vertical pole and a vertical tower are on the same level ground in such a way that, from the top of



the pole, the angle of elevation of the top of the tower is 60° and the angle of depression of the tower is 30°. If the height of the pole is 24 m, then find the height of the tower (in cm),

A. $24\sqrt{3}\left(\sqrt{3}+1\right)$

B. 72

C. 96

D. $\left(\sqrt{3}+1\right)$

Ans. (C)

English Comprehension

1. Select the INCORRECTLY spelt word.

A. Progress

B. Mystery

C. Pilgrim

D. Symtoms

Ans. (D)

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

My older brother,/which you'll/meet later,/ is a dentist.

A. My older brother

B. which you'll

C. meet later

D. is a dentist

Ans. (B)

3. Select the most appropriate ANTONYM of the given word.

Rely

A. Move

B. Distrust

C. Await

D. Depend

7. Select the most appropriate meaning of the given idiom.

Foul play

A. Unfair or dishonest behaviour

B. A bad smelling theatre or playground

Ans. (B)

4. Select the most appropriate meaning of the given idiom.

To take after

A. To chase someone

B. To be similar in appearance

C. To mock someone

D. To change sides often

Ans. (B)

5. Select the option that expresses the given sentence in active voice.

Hatred can be overcome by love.

A. Love can overcome hatred.

B. Love has overcome hatred.

C. Love is overcoming hatred.

D. Love can overcame hatred.

Ans. (A)

6. Sentence of a paragraph are given below in jumbled order. Arrange the sentences in the correct order to from a meaningful and coherent paragraph.

1. However, when areas in Leh began to experience water shortage, life didn't grind to a halt.

2. Ladakh is a cold desert with a low average annual rainfall.

3. Thus, glaciers have been the main source of water for the people.

4. This was because Chewang Norphel, a retired civil engineer came up with the idea of artificial glaciers.

A. CBDA

B. BCAD

C. DABC

D. BCDA

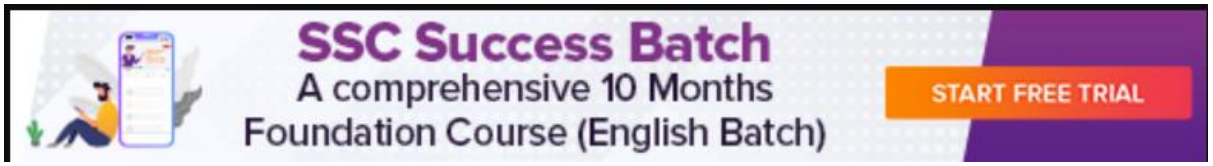
Ans. (B)

C. Unpleasant weather for playing

D. A drama which is badly produced

Ans. (A)

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



Formally put an end to a system, practice, or institution

A. Stop

B. Destroy

C. Kill

D. Abolish

Ans. (D)

9. The following sentence has been divided into parts. One of them contains an error.

Select the part that contains the error from the given options.

He was / late / for school / and punished.

A. for school

B. late

C. He was

D. and punished

Ans. (D)

10. Select the most appropriate option to fill in the blank.

She hardly works on weekends, _____?

A. doesn't she

B. is she

C. does she

D. isn't she

Ans. (C)

11. Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

I wish I **were listening** to my parents.

A. am listening

B. have listened

C. No substitution required

D. had listened

Ans. (D)

12. Select the option that expresses the given sentence in reported speech.

Mother said, "Abhinav slipped while trying to board a bus."

A. Mother told that Abhinav slipped while trying to board a bus.

B. Mother said that Abhinav slipped while trying to board a bus.

C. Mother says that Abhinav slipped while trying to board a bus.

D. Mother said that Abhinav had slipped while trying to board a bus.

Ans. (D)

13. Select the most appropriate synonym of the given word.

DUO

A. Bond

B. Pair

C. Loan

D. Debt

Ans. (B)

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

It was a surprising / to receive the gift / from my brother.

A. No error

B. It was a surprising

C. from my brother

D. to receive the gift

Ans. (B)

15. The following sentence has been divided into parts. One of them may contains an error.

Select the part that contains the error from the given options. If you don't find any error, mark 'No error' as your answer.

The fisheries sector/ have grown significantly / in the last one year.

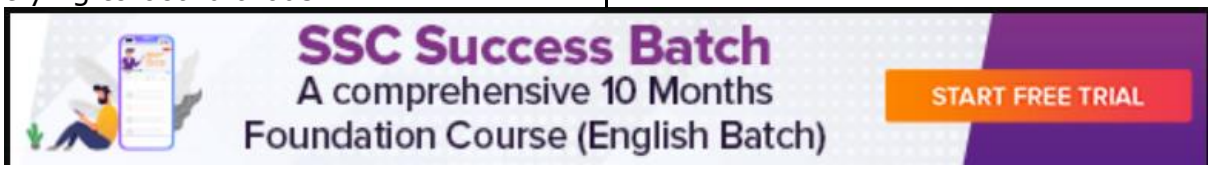
A. have grown significantly

B. in the last one year

C. No error

D. The fisheries sector

Ans. (A)



16. The following sentences has been split into four segments. Identify the segment that contains a grammatical error.

My house / is more / spacious than / my sister.

A. is more

B. My house

C. my sister

D. spacious than

Ans. (C)

17. Select the option that expresses the given sentence in passive voice.

Do you trust me?

A. Am I trusted by you?

B. Do I am trusted by you?

C. Do I was trusted by you?

D. I am trusted by you.

Ans. (A)

18. Select the most appropriate synonyms of the given word.

Paranoid

A. Convinced

B. Trustful

C. Committed

D. Distrustful

Ans. (D)

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

Indifferent to pleasure and pain

A. Cynic

B. Stoic

C. Prudent

D. Lusty

Ans. (B)

20. Select the most appropriate ANTONYM of the given word.

Appal

A. Alarm

B. Assure

C. Amaze

D. Astound

Ans. (B)

Comprehension:

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

An old man lived in the village. He was one of the (1) _____ unfortunate people in the world.

The whole village was tired (2) _____ him; he was always gloomy, he (3) _____

Complained and was always in a bad mood. The (4) _____ he lived, the more vile he was becoming and the more (5) _____ were his words.

21. Select the most appropriate option to fill in blank number 1.

A. maximum

B. utmost

C. most

D. main

Ans. (C)

22. Select the most appropriate option to fill in blank number 2.

A. from

B. of

C. by

D. at

Ans. (B)

23. Select the most appropriate option to fill in blank number 3.

A. mostly

B. commonly

C. cyclically

D. constantly

Ans. (D)

24. Select the most appropriate option to fill in blank number 4.

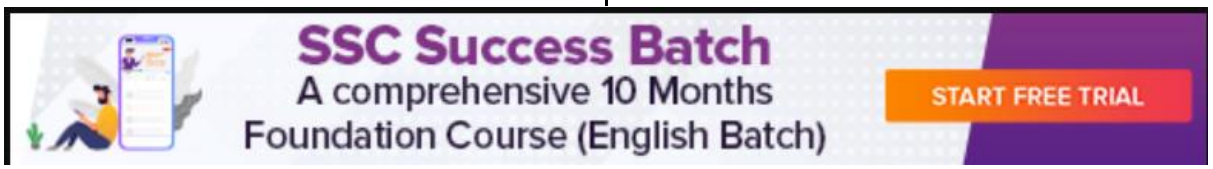
A. long

B. lengthy

C. longer

D. longest

Ans. (C)



25. Select the most appropriate option to fill in blank number 5.

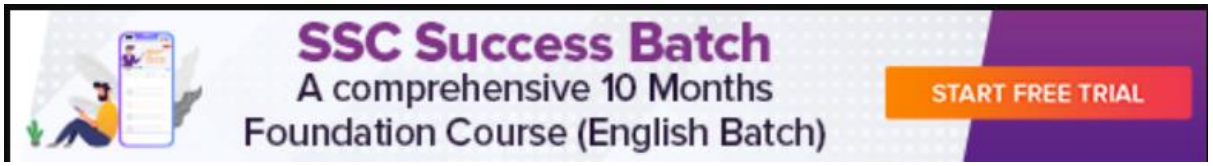
A. fata;

B. mortal

C. poisonous

D. toxic

Ans. (C)



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