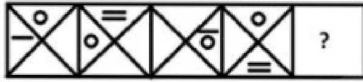






Section : General Intelligence

1. Select the figure that will come next in the following figure series.



- A.  B. 
- C.  D. 

Ans. D

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

Statements :

All purses are rupees

Some rupees are coins

Conclusion :

I. Some purses are coins

II. No purse is coin

III. No rupee is coin

- A. Either Conclusion I or II follows
 B. Only conclusion I and III follow
 C. Only conclusion I and II follow
 D. Only conclusion II and III follow

Ans. A

3. In a code language, VERBATIM is written as EUHYPLWD. How will SALESMAN be written as in that language?

- A. VDOHQDPV B. HODVQDPV
 C. HODVVPDQ D. OHVDDQVP

Ans. B

4. Which two signs should be interchanged in the following equation to make it correct?

$$405 + 27 \times 40 - 308 \div 22 = 314$$

- A. \times and $+$ B. \div and \times
 C. $+$ and \div D. $+$ and $-$

Ans. C

5. 'Kidney' is related to 'Excretion' in the same way as 'Heart' is related to '_____'.
 A. Heart Chambers
 B. Human body
 C. Blood Circulation
 D. Artery

Ans. C

6. Three of the following four words are alike in a certain way and one is different. Pick the off word out

- A. Political Science B. Biology
 C. History D. Sociology

Ans. B

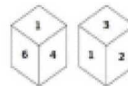
7. Arrange the following activities in a logical and meaningful order.

1. Return journey
2. Travel arrangements
3. Hotel stay
4. Sightseeing
5. Reaching destination

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

Ans. A

8. Two different positions of the same dice are shown below, the six faces of which are numbered 1 to 6. Find the number on the face opposite to the one having '5'.







- A. 2 B. 1
 C. 3 D. 4

Ans. B

9. Select the correct mirror image of the given figure when the mirror is placed to the right of the figure.



- A.  B. 
- C.  D. 

Ans. B

10. Three of the following four letter-clusters are alike in a certain way and one is different.

Pick the odd one out.

- A. XBFJ B. HLPT
C. DHLP D. CGKQ

Ans. D

11. Select the set in which the numbers are related in the same way as are the numbers of the following set.

(2, 4, 8)

- A. (5, 25, 625) B. (3, 9, 34)
C. (1, 2, 6) D. (4, 16, 64)

Ans. D

12. Three of the following four numbers are alike in a certain way and one is different. Pick the number that is different from the rest.

- A. 65 B. 170
C. 195 D. 50

Ans. C

13. Select the combination of letters that when sequentially placed in the gaps of the given letter series will complete the series.

s _ _ m e q c t _ p d m _ q _ t s _ _ m r q c t

- A. pdsrerd B. pdsrerd
C. rdsrerd D. pdsrbpd

Ans. B

14. Which number will replace the question mark (?) in the following series?

16, 18, 21, 26, 33, ?

- A. 46 B. 44
C. 45 D. 43

Ans. B

15. Select the word-pair in which the two words are related in the same way as are the two words in the following word-pair.

Zinc : Brass

- A. Gold : Ornament
B. Copper : Bronze
C. Mercury : Thermometer
D. Silver : Ring

Ans. B

16. Select the number-pair in which the two numbers are related in the same way as

are the two numbers of the following number-pair.

19 : 380

- A. 12 : 146 B. 17 : 289
C. 14 : 196 D. 13 : 182

Ans. D

17. If YOGHURT is coded as 7678392, then how will QUICKLY be coded as?

- A. 8393117 B. 8393237
C. 7383237 D. 8393127

Ans. B

18. A + B means 'A is husband of B'

A - B means 'A is brother of B'

A × B means 'A is sister of B'

A ÷ B means 'A is mother of B'

If P + R ÷ S × M - K, then how is R related to K?

- A. Paternal grandmother
B. Daughter
C. Mother
D. Sister

Ans. C

19. Select the set in which the numbers are related in the same way as are the numbers of the following set.

(5, 7, 11)

- A. (15, 17, 23) B. (23, 29, 31)
C. (14, 16, 18) D. (17, 19, 21)

Ans. B

20. Three persons A, B and C have different amounts of rupees with them. If A takes ₹ 6 from C, A will have equal amount as B has. A and B together have total ₹ 74. How many rupees does B have?

- A. 34 B. 44
C. 40 D. 30

Ans. C

21. Select the option in which Figure-X is embedded. (Rotation is not allowed)



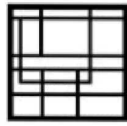
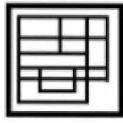
Figure-X



A.



B.

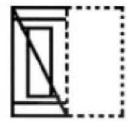
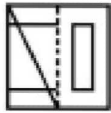


C.

D.

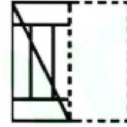
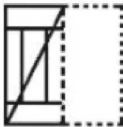
Ans. D

22. A figure of transparent sheet with a pattern is given below. Select the option that shows how the pattern would appear when the transparent sheet is folded at the dotted line.



A.

B.

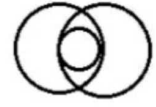


C.

D.

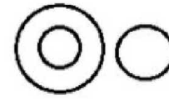
Ans. D

23. Select the Venn diagram that best illustrates the relationship between the following classes.
Fuel, Diesel, Liquid



A.

B.



C.

D.

Ans. B

24. Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

MDUK : QHYO :: SALQ : ?

A. VDPV

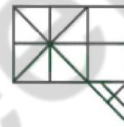
B. WDPV

C. WEPV

D. WEPV

Ans. D

25. How many triangles are present in the given figure?



A. 22

B. 23

C. 25

D. 24

Ans. D

Section : General Awareness

1. Who among the following is called the 'father of supercomputing'?
- A. Ken Thompson
B. Alan Perlis
C. Seymour Cray
D. Vint Cerf

Ans. C

2. Which of the following airports was crowned the 'World's Best Airport' for the seventh time in a row by the Skytrax World Airport Awards 2019?
- A. Chhatrapati Shivaji Maharaj International Airport
B. Changi Airport
C. Indira Gandhi International Airport
D. Haneda International Airport

Ans. B

3. What is the SI unit of electrical resistance?
- A. Volt
B. Ohm
C. Mole
D. Ampere

Ans. B

4. In May 2019, _____ an Indian Council of Medical Research (ICMR) professor, was awarded the 2019 Dr Lee Jong-wook Memorial Prize for Public Health at the 72nd World Health Assembly in Geneva.

A. Alagarasu Kalichamy

B. Ajay Vir Singh

C. Seema Sahay

D. Balram Bhargava

Ans. D

5. A company that has been founded after 2003 and that has a current valuation of more than 1 billion USD is referred to as in the industry by which term?

A. Unicorn Startup Company

B. Blue Moon Startup Company

C. Stratosphere Startup Company

D. 5th Gear startup Company

Ans. A

6. Which of the following countries will host the World Leaders Conference to Combat Anti-Semitism in October 2020?
A. Belgium B. Norway
C. Denmark D. Sweden
Ans. D
7. According to Article 243 V of the Constitution of India, the minimum age requirement for becoming a member of a Municipality is _____.
A. 24 years B. 28 years
C. 32 years D. 21 years
Ans. D
8. Who among the following Australian cricket was NOT banned by Cricket Australia for ball tampering in 2018?
A. Steve Smith
B. Glenn Maxwell
C. Cameron Bancroft
D. David Warner
Ans. B
9. Which of the following states is the biggest Jute producer in India?
A. West Bengal B. Nagaland
C. Karnataka D. Rajasthan
Ans. A
10. In February 2018, ___ was appointed as the first independent female director of ICC.
A. Indra Jai Singh
B. Indra Nooyi
C. Chanda Kochhar
D. Nita Ambani
Ans. B
11. The Bacille Calmette-Guerin vaccine (popularly called BCG vaccine) is a vaccine to prevent which of these diseases?
A. Jaundice B. Typhoid
C. Tuberculosis D. Polio
Ans. C
12. Jadugora, in Singhbhum district, Jharkhand is an important mine for which of the following?
A. Manganese B. Emerald
C. Uranium D. Coal
Ans. C
13. Which of the districts listed as options is not one of the three districts in the Chambal division of the state of Madhya Pradesh?
A. Bhind B. Chhindwara
C. Sheopur D. Morena
Ans. B
14. Who among the following won an award in the 'Best Actor (Female)' category at the 64th Filmfare Awards held in 2019?
A. Alia Bhatt B. Neena Gupta
C. Sara Ali Khan D. Janhvi Kapoor
Ans. A
15. Which of the following words was inserted in the Preamble by the 42nd Amendment of the Constitution of India?
A. Economic B. Integrity
C. Belief D. Political
Ans. B
16. Who was the coach of the Indian Under-19 men's cricket team, which won the Under-19 World Cup 2018?
A. Anil Kumble
B. Lalchand Rajput
C. Robin Singh
D. Rahul Dravid
Ans. D
17. In which state is the Kamakhya temple situated?
A. Arunachal Pradesh
B. Chhattisgarh
C. Assam
D. Jharkhand
Ans. C
18. In the context of computers, what is the full form of PDF?
A. Portable Document Format
B. Portable Details Format
C. Personal Document Format
D. PowerPoint Document Format
Ans. A
19. Who was affectionately called "The Grand Old Man of India"?
A. Dadabhai Naoroji
B. Lal Bahadur Shastri
C. Rajendra Prasad
D. Bipin Chandra Pal

Ans. A

20. When is the World Thyroid Day observed every year?

- A. 5th September B. 25th May
C. 15th January D. 25th October

Ans. B

21. In which state is 'Tarnetar' fair celebrated annually?

- A. Gujarat
B. Telangana
C. Madhya Pradesh
D. Manipur

Ans. A

22. Which country houses the headquarters of the intergovernmental organization. The International Bureau of Weights and Measures?

- A. Austria B. Belgium
C. Switzerland D. France

Ans. D

23. Which part of the human body gets affected by the illness called osteoporosis?

- A. Bones B. Lungs
C. Brain D. Kidney

Ans. A

24. Which one of the following statements about gratuity is NOT CORRECT?

- A. Gratuity is given by the employer to his/her employee for the services rendered by him/her during the period of employment
B. Gratuity is usually paid at the time of retirement but it can be paid before retirement provided certain conditions are met.
C. A person is eligible to receive gratuity only if he has completed minimum seven years of service with an organization
D. Gratuity can be paid before the completion of five years of the death of an employee or if he has become disabled due to accident or disease

Ans. C

25. In which year was the Non-Cooperation Movement launched?

- A. 1877 B. 1920
C. 1856 D. 1919

Ans. B

Section : Quantitative Aptitude

1. If $a^2 + b^2 + = 135$ and $ab = 7$, ($a > 0$, $b > 0$) then the value of $(a^3 - b^3)$ is:

- A. 1562 B. 1600
C. 1680 D. 1350

Ans. A

2. The simplified value of $15 \text{ of } 8 + 6 + [(27 - 3) \div 6 + 4]$ is :

- A. 128 B. 134
C. 130 D. 136

Ans. B

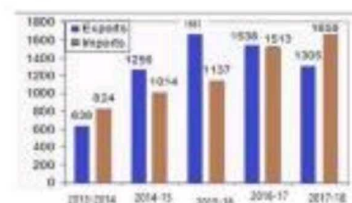
3. Two circles of radii 7 cm and 9 cm intersect at the points A and B. If $AB = 10$ cm and the distance between the centres of the circles is x cm, then the value of x is :

- A. $2(\sqrt{6} + \sqrt{7})$ B. $(\sqrt{6} + 7)$
C. $(\sqrt{6} + \sqrt{14})$ D. $2(\sqrt{6} + \sqrt{14})$

Ans. D

4. The given bar graph presents the Imports and Exports of an Item (in tonnes)

manufactured by a company for the five financial years, 2013-2014 to 2017-2018.



What is the ratio of total Imports to total Exports during the five financial years?

- A. 3199 : 3073 B. 4175 : 4011
C. 3073 : 3199 D. 4011 : 4175

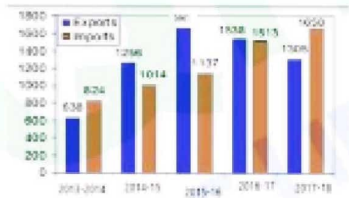
Ans. C

5. In triangle ABC, D and E are two points on the sides AB and AC respectively so that $DE \parallel BC$ and $AD/BD = 5/6$. The ratio of the area of ΔABC to the area of trapezium DECB is :

- A. 96 : 121 B. 121 : 96
C. 36 : 121 D. 121 : 36

Ans. B

6. The given bar graph presents the Imports and Exports of an Item (in tonnes) manufactured by a company for the five financial years, 2013-2014 to 2017-2018.



In which financial year, total of Exports and Imports is the highest?

- A. 2017-2018 B. 2015-2016
C. 2016-2017 D. 2014-2015

Ans. C

7. What is the area of a rhombus (in cm²) whose side is 20 cm and one of the diagonals is 24 cm?

- A. 384 B. 350
C. 396 D. 392

Ans. A

8. A car covers 25 km at a uniform speed. If the speed had been 8 km/h more. It would have taken 10 hours less for the same journey. What is the speed of the car (in km/h)?

- A. 2.5 B. 4
C. 3 D. 2

Ans. D

9. A certain amount invested at a certain rate, compounded annually grows to an amount in five years, which is a factor of 1.191016 more than to what it would have grown in two years. What is the rate percentage?

- A. 5 B. 4
C. 6 D. 8

Ans. C

10. In $\triangle ABC$, the bisectors of $\angle B$ and $\angle C$ meet at point O within the triangle. If $\angle BOC = 148^\circ$, then the measure of $\angle A$ is :

- A. 29° B. 58°
C. 87° D. 116°

Ans. D

11. If $\cos \theta = \frac{2p}{p^2 + 1}$, ($p \neq \pm 1$) then $\operatorname{cosec} \theta$ is equal to :

- A. $\frac{2p}{p^2 - 1}$ B. $\frac{2p}{p^2 + 1}$
C. $\frac{p^2 - 1}{2p}$ D. $\frac{p^2 + 1}{p^2 - 1}$

Ans. D

12. If $(2x - 7)^3 + (2x - 8)^3 + (2x - 3)^3 = 3(2x - 7)(2x - 8)(2x - 3)$, then what is the value of x?

- A. 4 B. 2
C. 1 D. 3

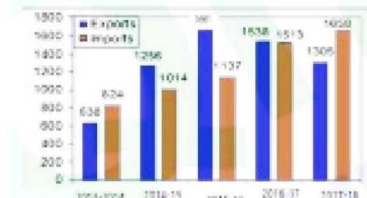
Ans. D

13. A man bought 2 articles for ₹ 3050 each. He sold one article at 10% loss and another at 20% profit. The total profit/loss percentage he earned is :

- A. 5% loss B. 10% profit
C. 5% profit D. 10% loss

Ans. C

14. The given bar graph presents the Imports and Exports of an Item (in tonnes) manufactured by a company for the five financial years, 2013-2014 to 2017-2018.



In which financial year the percentage increase in Imports is the highest in comparison to its previous financial year?

- A. 2014-2015 B. 2016-2017
C. 2017-2018 D. 2015-2016

Ans. B

15. A circle inscribed in a triangle ABC. It touches sides AB, BC and AC at the points P, Q and R respectively. If BP = 9 cm, CQ = 10 cm and AR = 11 cm, then the perimeter (in cm) of the $\triangle ABC$ is :

- A. 57.5 B. 72.5
C. 60 D. 75

Ans. C

16. Three numbers are in the ratio $1/2 : 2/3 : 3/4$. The difference between the greatest and the smallest number is 27. The smallest number is :

- A. 40 B. 81
C. 69 D. 54

Ans. C

17. If a 10-digit number $6220x558y2$ is divisible by 88, then the value of $(5x + 5y)$ is :

- A. 20 B. 55
C. 25 D. 45

18. If $x^4 + x^{-4} = 1442$, ($x > 0$) then the value of $x + x^{-1}$ is :

- A. $^2\sqrt{10}$ B. $^3\sqrt{10}$
C. $^4\sqrt{10}$ D. 15

Ans. A

19. A, B and C can complete a piece of work in 5, 20 and 60 days respectively. Working together, they can complete the same work in how many days?

- A. $3\frac{1}{4}$ B. $3\frac{3}{4}$
C. $5\frac{1}{4}$ D. $5\frac{3}{4}$

Ans. B

20. 9 years ago, the average age of a family of five members was 33 years. Now, three new members join whose ages are in ascending order with consecutive gaps of 8 years. If the present average age of the family is the same as it was 9 years ago, what is the age (in year) of the eldest new member?

- A. 29 B. 26
C. 35 D. 17

Ans. B

21. If $2 \sin^2\theta + 5 \cos\theta - 4 = 0$, $0^\circ < \theta < 90^\circ$, then the value of $\cot\theta + \operatorname{cosec}\theta$ is :

- A. $\frac{3\sqrt{3}}{2}$ B. $\sqrt{3}$

- C. $\frac{2}{\sqrt{3}}$ D. $\frac{\sqrt{3}}{2}$

22. A number is decreased by 30%, then increased by 30% then further decreased by 30%. What is the net increase/decrease percent in the number (correct to the nearest integer)?

- A. 18% increase B. 18% decrease
C. 19% increase D. 19% decrease

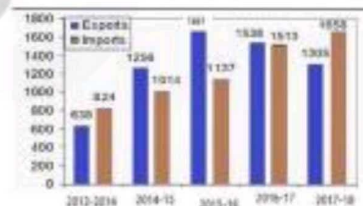
Ans. A

23. There was 25% off on bags. A lady bought a bag and got additional 20% discount for paying in cash. She paid ₹ 480. What was the price tag (in ₹) on the bag?

- A. 800 B. 825
C. 750 D. 950

Ans. A

24. The given bar graph presents the Imports and Exports of an Item (in tonnes) manufactured by a company for the five financial years, 2013-2014 to 2017-2018.



What is the average of Export (in tonnes) during the five financial years?

- A. 1279.6 B. 1279.5
C. 1552.4 D. 1025.9

Ans. A

25. If $12 \cot 2\theta - 31 \operatorname{cosec} \theta + 32 = 0$, $0^\circ < \theta < 90^\circ$, then the values of $\sin\theta$ will be :

- A. $\frac{5}{4}, \frac{4}{3}$ B. $\frac{2}{3}, \frac{1}{4}$
C. $\frac{4}{5}, \frac{3}{4}$ D. $\frac{1}{3}, \frac{3}{2}$

Ans. C

Section : English Language

1. Select the most appropriate antonym of the given word.

PROSPERITY

- A. adversitv B. simplicitv

- C. nobilitv D. affinitv

Ans. A

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

To take the full by the horns

- A. to face danger boldly
- B. to escape unhurt
- C. to act foolishly
- D. to enjoy risky sports

Ans. A

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

THRIFTY

- A. grand
- B. rigid
- C. frugal
- D. discreet

Ans. C

4. Select the most appropriate word for the group of words.

One who is difficult to please

- A. feminist
- B. fastidious
- C. fatalist
- D. fanatic

Ans. B

5. Identify the most appropriate option to substitute the underlined segment. If no substitution is required, select No substitution.

He persisted to do that he thought was right.

- A. No substitution
- B. for doing this which he thought
- C. to do what he thinks
- D. in doing what he thought

Ans. D

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

STERN

- A. mellow
- B. proud
- C. shrewd
- D. strict

Ans. D

7. In the sentence identify the segment which contains the grammatical error

Despite of his efforts he couldn't get a decent job.

- A. despite of
- B. his efforts
- C. he couldn't get
- D. a decent job

Ans. A

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

Gift of the gap

- A. receive a precious gift
- B. achieve sudden greatness
- C. have the ability to adapt
- D. have the talent to speak well

Ans. D

9. Fill in the blank with the most appropriate word.

The man _____ heavy losses in his investments.

- A. raised
- B. reaped
- C. earned
- D. incurred

Ans. D

Comprehension :

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

In July, 1937, the Japanese used an incident to provoke a war. They (1)_____ China and occupied a major portion (2)_____ it. Chinese and Japanese (3)_____ clashed in northern China, throwing the entire country into (4)_____. Millions of people were shot (5)_____ death.

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

- A. included
- B. extended
- C. invaded
- D. persuaded

Ans. C

Comprehension :

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

In July, 1937, the Japanese used an incident to provoke a war. They (1)_____ China and occupied a major portion (2)_____ it. Chinese and Japanese (3)_____ clashed in northern China, throwing the entire country into (4)_____. Millions of people were shot (5)_____ death.

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

- A. for
- B. from
- C. of
- D. by

Ans. C

Comprehension :

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

In July, 1937, the Japanese used an incident to provoke a war. They (1)_____ China and occupied a major portion (2)_____ it. Chinese and Japanese (3)_____ clashed in northern China, throwing the entire country into (4)_____. Millions of people were shot (5)_____ death.

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

A. caravans B. troops
C. mobs D. crowds

Ans. B

Comprehension :

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

In July, 1937, the Japanese used an incident to provoke a war. They (1)_____ China and occupied a major portion (2)_____ it. Chinese and Japanese (3)_____ clashed in northern China, throwing the entire country into (4)_____. Millions of people were shot (5)_____ death.

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

A. turmoil B. peace
C. progress D. tranquility

Ans. A

Comprehension :

In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

In July, 1937, the Japanese used an incident to provoke a war. They (1)_____ China and occupied a major portion (2)_____ it. Chinese and Japanese (3)_____ clashed in northern China, throwing the entire country into (4)_____. Millions of people were shot (5)_____ death.

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

A. to B. in
C. on D. for

Ans. A

15. Select the most appropriate antonym of the given word.

CENSURE

A. shame B. distrust
C. criticism D. praise

Ans. D

16. Identify the most appropriate option to substitute the underlined segment. If no substitution is required, select No substitution

We are going to have pleasure in accepting your kind invitation

A. We have pleasure
B. No substitution
C. We are having pleasure
D. We will have a pleasure

Ans. A

17. Select the most appropriate passive form of the given sentence.

She answered fifty questions in one hour.

A. Fifty questions have been answered by her in one hour
B. Fifty questions were being answered by her in one hour
C. Fifty questions were answered by her in one hour
D. Fifty questions are answered by her in one hour.

Ans. D

18. Given below are four jumbled sentences. Out of the given options pick the one that gives their correct order.

(A) This code contains information about its nature
(B) Each living organism has a DNA code.
(C) If this genetic material is altered, it would alter the organism
(D) The nature of an individual is determined by the unique genetic material in the code

A. DCAB B. DBCA
C. BADC D. BCDA

Ans. C

19. Select the most appropriate word for the group of words.

Something that catches fire easily

- A. inflammable B. inflatable
C. incredible D. infallible

Ans. A

20. Select the correctly spelt word

- A. Janury B. Novamber
C. February D. October

Ans. C

21. Select the wrongly spelt word

- A. particle B. discern
C. consize D. nurture

Ans. C

22. In the sentence identify the segment which contains the grammatical error.

Darkness spilled like ink and began to spread at everything.

- A. Darkness spilled
B. and began to
C. spread at everything
D. like ink

Ans. C

23. Select the most appropriate indirect form of the given sentence.

Seema said to her daughter, "Don't go near the well."

- A. Seema requested to her daughter to go near the well
B. Seema told her daughter that don't go near the well
C. Seema said her daughter you shouldn't go near the well
D. Seema warned her daughter not to go near the well

Ans. D

24. Fill in the blank with the most appropriate word.

During the curfew the army was ____ at strategic locations

- A. deployed B. dispersed
C. supplied D. employed

Ans. A

25. Given below are four sentences. Out of the given options pick the one that gives their correct order.

(A) The fire destroyed many buildings which rebuilt with red clay tiles.

(B) In the year 1689, a huge engulfed the city.

(C) Prague in the Czech Republic is known for its striking red roofs.

(D) Even now, traditional red roofs are included in any repairs or new construction.

A. CADB B. CBAD

C. DCBA D. BADC

Ans. B