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General Intelligence

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

A.
B.
C.
D.
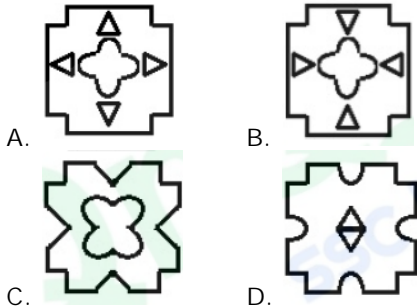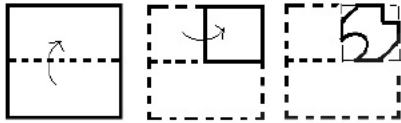
Ans: C

2. The sum of the square of three numbers is 336 and the ratio of the first and the second as also of the second and the third is 1 : 2. Then find the difference of third and first number?
   A. 10   B. 14
   C. 12   D. 16

Ans: C

3. In a code language, TABLEPADS is written as BADCYGAPJ. How will BACKSPACE be written as in that language?
   A. DAEBJGAEY   B. DEIBJGEIY
   C. DAJBJGAJY   D. DAIBJGAIY

Ans: D

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

   4, 10, 27, 140, ?
   A. 379   B. 973
   C. 937   D. 397

Ans: B

5. If PEAR is coded as 7519 and TOIL is coded as 2693, then how will DOCTOR be coded?
   A. 463269   B. 463729
   C. 463296   D. 463239

Ans: A

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

   (3, 13, 196)
   A. (4, 14, 441)   B. (2, 12, 287)
   C. (5, 15, 350)   D. (6, 16, 569)

Ans: C

7. How many triangles are present in the following figure?
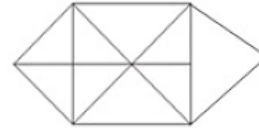
   A. 20   B. 16
   C. 18   D. 14

Ans: C

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

   (8, 101, 35)
   A. (11, 136, 47)   B. (7, 89, 31)
   C. (9, 121, 39)   D. (6, 76, 27)

Ans: B

9. Select the term that will come next in the following series.

   3, 27, 243, 2187, ___
   A. 27139   B. 13561
   C. 21377   D. 19683

Ans: D

10. Select the option in which the given figure is embedded.

A.
B.
C.
D.
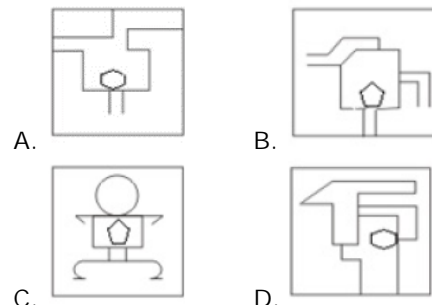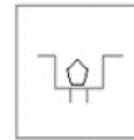
Ans: C

11. 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. 2936   B. 3864
    C. 6394   D. 4638

Ans: C

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

    81 : 63 :: 74 : ____
    A. 13   B. 23
    C. 43   D. 33

Ans: D

13. 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.

LENOVO : EKISSQ :: FINGER : _____

A. YOIJBT   B. YOIKBT
C. YNIKBT   D. YOIKCT

Ans: B

14. _____ age is the cube of a number. It was the square of a number two years ago. What is his age?
A. 9   B. 62
C. 27   D. 64

Ans: D

15. Arrange the following words in a logical and meaningful order.

1. Results   2. Campaign
3. Sworn   4. Nominations
5. Polling

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

Ans: A

16. Three different positions of a dice are shown below. Which number appears on the face opposite the number 6?

A. 4   B. 5
C. 1   D. 3

Ans: D

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

Ans: D

18. In a certain code, SLUMBER is coded as PORPYHO. How would PURPOSE be written in that same code?
A. OTQONRD   B. MXOSLVB
C. SRUMRPG   D. QVSQPTF

Ans: B

19. Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

C. AWDZ   D. IDWS

Ans: D

20. 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: C

21. If MARBLES is coded as 181132192512 and INVITED is coded as 221969942520, then how will COMPARE be coded as?
A. 1322531253221 B. 1312531653241
C. 1322531652241 D. 1322531653241

Ans: D

22. Select the Venn diagram that best illustrates the relationship between the following classes.

Mothers, Women, Pilots

A.

B.

C.

D.

Ans:

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

ab_bcab_b__ab_bcab_bc

A. dcdcd   B. ccdcc
C. ddcdd   D. cdcdc

Ans: C

24.

A. Yen   B. Lira
C. Kyat   D. Rand

Ans: C

25. 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.

Candle : Illuminate
A. Fan : Suffocation
B. Bulb : Dark
C. Refrigerator : Cool
D. Oven : Grind

Ans: C

General Awareness

1. The mother of Mahatma Gandhi was:
A. Putlibai   B. Heerabai
C. Kamlabai   D. Kasturbabai

Ans: A

2. Which of the following cities houses the headquarters of the Union Bank of India?
A. Mumbai   B. Lucknow
C. Mangalore   D. Kolkata

Ans: A

3. The 124th Amendment Bill, 2019 deals with:
A. Triple Talaq
B. Privatisation of Air India
C. GST
D. Economic Reservation

Ans: D

4. Bangladesh defeated _____ in their very first match of the 2019 World Cup held in June 2019 in England.
A. Pakistan   B. New Zealand
C. South Africa   D. West Indies

Ans: C

5. Who of the following was elected as the Leader of Congress Parliamentary Party after the 2019 Lok Sabha elections?
A. Rahul Gandhi
B. Shashi Tharoor
C. Sonia Gandhi
D. Mallikarjun Kharge

Ans: C

6. Which of the following rivers is popu-

A. Tungabhadra   B. Godavari
C. Periyar   D. Krishna

Ans: B

7. Ram Vilas Paswan is the president of which party?
A. Bahujan Samaj Party
B. Republic Party of India
C. Samajwadi Party
D. Lok Janshakti Party

Ans: D

8. Which of the following activities by Benjamin Franklin led him to gain a better understanding of lightning and eventually to the invention of the lightning rod?
A. Flying a kite
B. Practising on a piano
C. Swimming in a river
D. Riding a horse

Ans: A

9. Famous writer and Congress leader Shashi Tharoor won the 2019 Lok Sabha Elections from which of the following constituencies of Kerala?
A. Alleppey
B. Thiruvananthapuram
C. Kozhikode
D. Thrissur

Ans: B

10. Which of the following banks was authorised to issue Electoral Bonds?
A. State Bank of India
B. HDFC Bank
C. ICICI Bank
D. Corporation Bank

Ans: A

11. Greta Thunberg, the teenage sensation and global climate change crusader is from which of the following European countries?
A. Germany   B. Finland
C. Belgium   D. Sweden

Ans: D

12. The 72nd Annual Cannes Film Festival 2019 was held in _____.
A. United Kingdom   B. Italy
C. Russia   D. France

Ans: D

13. Which of the following gases has an odour that is similar to the odour of rotten eggs?
A. Hydrogen Sulfide
B. Dimethylcyclohexane
C. Chlorine
D. Ammonia

Ans: A

14. In December 2016, the National Payments Corporation of India developed a mobile payment app named as _____
A. NAKUL   B. GANDIV
C. JANAK   D. BHIM

Ans: D

15. Name the element that must be present in a compound to classify it as an organic compound.
    A. Carbon   B. Iron
    C. Ammonia   D. Zinc
Ans: A
16. In the context of international banking transactions what is the full form of SWIFT?
    A. Society for Wireless International Financial Transactions
    B. Society for Worldwide Interbank Financial Telecommunication
    C. Society for Worldwide International Financial Telecommunication
    D. Society for Worldwide International Financial Transactions
Ans: B
17. The city of Belagavi is located in the state of
    A. Tamil Nadu   B. Gujarat
    C. Kerala   D. Karnataka
Ans: D
18. Which of the following types of bank accounts does NOT earn any interest for the account holder?
    A. Pension Account
    B. Current Account
    C. Savings Account
    D. Recurring Deposit Account
Ans: B
19. Who is the Vice Captain of the Indian team that is playing the World Cup 2019 in England?
    A. Shikhar Dhawan
    B. MS Dhoni
    C. Hardik Pandya
    D. Rohit Sharma
Ans: D
20. In 1872, Lord Mayo, the Viceroy of India was assassinated in
    A. Port Blair   B. Diu
    C. Delhi   D. Kolkata
Ans: A
21. The famous Dwarkadhish Temple of Gujarat is located on the banks of which of the following rivers?
    A. Narmada   B. Tapti
    C. Gomti   D. Luni
Ans: C
22. In computer terminology, what is the full form of RAM?
    A. Random Access Memory
    B. Repeated Access Memory
    C. Rapid Access Memory
    D. Regular Access Memory
Ans: A
23.   Ub-

    A. A firewall developed by Microsoft
    B. Open source Linux operating system
    C. An ERP system from SAP
    D. Latest financial software package by Infosys
Ans: B
24. After the swearing in the new Union government in May, 2019, who of the following was allocated the portfolio of Youth Affairs and Sports?
    A. Smriti Irani
    B. K Muralidharan
    C. Pratap Chandra Sarangi
    D. Kiren Rijiju
Ans: D
25. Which colour saree embellished with bright golden borders is worn by the dancers of Mohiniyattam?
    A. Deep red/red
    B. Sea blue/blue
    C. Parrot green/greed
    D. White/off-white
Ans: D

Quantitative Aptitude

1. A sum of Rs. 7,500 amounts to Rs. 8,748 after 2 years at a certain compound interest rate per annum. What will be the simple interest on the same sum for $4\frac{3}{5}$ years at double the earlier interest rate?
   A. Rs. 4,140   B. Rs. 5,520
   C. Rs. 8,180   D. Rs. 2,760
Ans: B
2. If $\dfrac{1}{\sec T \cdot \tan T} \cdot \dfrac{1}{\cos T} \cdot \sec T = k$, $0 < T < 90$, then k is equal to:
   A. cosec   B. tan
   C. sin   D. cot
Ans: C
3. The given Bar graph presents the numbers of students from Science and Arts streams from a school in different years.
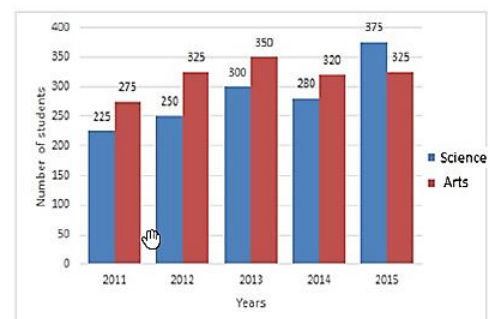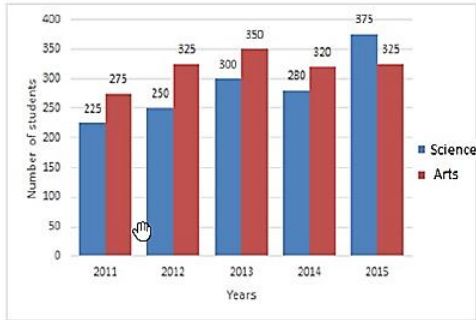

The total number of Arts students in 2011, 2013 and 2015 is what percent-

age less than that of Science in the given five years (correct to one decimal place)?

A. 34.2%　　　　　B. 33.6%
C. 31.4%　　　　　D. 32.8%

Ans: B

4. The given Bar graph presents the numbers of students from Science and Arts streams from a school in different years.

The average of number of Science students in 2011, 2013 and 2015 is what percentage more than the number of Arts students in 2011?

A. $11\dfrac{1}{9}\%$　　　　B. $9\dfrac{3}{11}\%$

C. $9\dfrac{1}{11}\%$　　　　D. $8\dfrac{1}{9}\%$

Ans: C

5. In a constituency, 40% of the voters are senior citizens. 40% of the senior citizen voters are illiterates and 25% of the non-senior citizen voters are literates. By what percentage is the number of literate senior citizens voters less than that of illiterate non-senior citizen voters?

A. 40　　　　　　B. $48\dfrac{1}{3}$

C. 50　　　　　　D. $46\dfrac{2}{3}$

Ans:

6. ABCD is a cyclic quadrilateral such that AB is a diameter of the circle circumscribing it and ∠ADC = 158°. Then ∠BAC is equal to:

A. 50°　　　　　　B. 38°
C. 68°　　　　　　D. 40°

Ans: C

7. If the nine-digit number 8175x45y2 is divisible by 72, then the value of $\sqrt{4x} - y$, for the largest value of y, is:

A. 8　　　　　　　B. 4
C. 5　　　　　　　D. 6

Ans: C

8. In ABC, the bisectors of ∠B and ∠C intersect each other at a point D. If ∠BDE = 104°, then the measure of ∠A is:

A. 28°　　　　　　B. 32°
C. 30°　　　　　　D. 26°

Ans: A

9. In ABC, D and E are the points on sides AC and AB, respectively, such that ∠ADE = ∠B. If AD = 7.6 cm, AE = 7.2 cm, BE = 4.2 and BC = 8.4 cm, then DE is equal to:

A. 6.3 cm　　　　　B. 5.8 cm
C. 7.4 cm　　　　　D. 5.6 cm

Ans: D

10. If cosec 31° = x, then $\sin^2 59° + \dfrac{1}{\cosec^2 31°} + \tan^2 59° - \dfrac{1}{\sin^2 59° - \cosec^2 59°}$ is equal to:

A. x + 1　　　　　　B. $x^2 - 1$
C. x - 1　　　　　　D. $x^2 + 1$

Ans: B

11. If $24\sqrt{3}x^3 - 2\sqrt{2}y^3 - (2\sqrt{3}x - \sqrt{2}y)(Ax^2 + Bxy + Cy^2)$, 2A + $\sqrt{6}$B - C is equal to:

A. 10　　　　　　　B. 14
C. 6　　　　　　　D. 8

Ans: A

12. PAT is a tangent to a circle at point A on it, and AB is a chord such that ∠BAT = 72°. If C is a point on the circle such that ∠CBA = 58°, then what is the measure of ∠CAB?

A. 50°　　　　　　B. 62°
C. 48°　　　　　　D. 60°

Ans: A

13. The curved surface area and the volume of a cylindrical pole are 132 m² and 528 m², respectively. What is the height (in m) of the pole?

$\left(\text{Take } \pi - \dfrac{22}{7}\right)$

A. $2\dfrac{1}{2}$　　　　　B. $3\dfrac{5}{8}$

C. $3\dfrac{1}{2}$　　　　　D. $2\dfrac{5}{8}$

Ans: D

14. The simplified value of

$\dfrac{\sin^2 25° + \sin^2 65°}{\cos^2 24° + \cos^2 66°} + \sin^2 70° + \cos 70° \sin 10°$

is:

A. 0　　　　　　　B. 1
C. 2　　　　　　　D. 3

Ans: C

15. In a class of 80 students, 60% participate in games and the rest do not. The average weight of the former group is 5% more than that of the letter. If the average weight of all the students is $51\frac{1}{2}$ kg, then what is the average weight (in kg) of the former group?

    A. 57.6 B. 54.5

    C. 60 D. 52.5

Ans: D

16. The given Bar graph presents the numbers of students from Science and Arts streams from a school in different years.
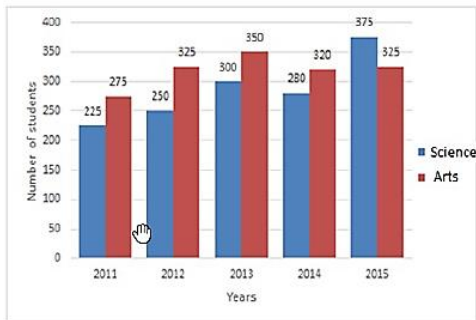
What is the ratio of the total number of Science students in 2011 and 2015 to that of Arts in 2012 and 2015?

A. 9 : 10 B. 8 : 9

C. 12 : 13 D. 11 : 12

Ans: C

17. The vertices A, B, C and D of a quadrilateral ABCD lie on a circle. ∠A is thrice ∠C and ∠D is twice ∠B. What is the difference between the measures of ∠B and ∠C?

A. 15 B. 28

C. 18 D. 20

Ans: A

18. When an article is sold for Rs. 291, there is a loss of 3%. What will be the selling price of the article, if it is sold at a gain of 8%?

A. Rs. 308 B. Rs. 332

C. Rs. 324 D. Rs. 316

Ans: C

19. The value of $3 \times 2 \div 3$ of $12 - 3 \div 2 \times (2 - 3) \times 2 + 3 \div 2$ of 3 is:

A. $2\frac{1}{3}$ B. $2\frac{1}{3}$

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

Ans: D

20. Amit travelled from A to B at an average speed of 80 km/h. He travelled the first 75% of the distance in two-third of the time and the rest at a constant speed of x km/h. The value of x is:

A. 56 B. 60

C. 64 D. 54

Ans: B

21. If $3\sin\theta = 2\cos^2\theta$, $0 < \theta < 90$, then the value of $(\tan\theta + \cos\theta + \sin\theta)$ is:

A. $\frac{5\sqrt{3}}{3}$ B. $\frac{5\sqrt{3}}{6}$

C. $\frac{3-5\sqrt{3}}{6}$ D. $\frac{3-5\sqrt{3}}{3}$

Ans: C

22. The ratio of the present ages of A and B is 6 : 5. Four years ago, this ratio was 5 : 4. What will be the ratio of the ages of A and B after 12 years from now?

A. 3 : 2 B. 8 : 7

C. 9 : 8 D. 7 : 6

Ans: C

23. A, B and C can finish a task in 42 days, 84 days and 28 days, respectively. A started the work B joined him after 3 days. If C joined them after 5 days from the beginning, then for how many days did A work till the completion of the task?

A. 20 B. 15

C. 17 D. 18

Ans: C

24. The given Bar graph presents the numbers of students from Science and Arts streams from a school in different years.
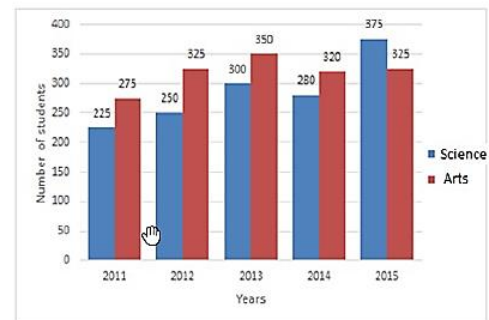
In which year the number of Arts students is 30% more than that of Science?

A. 2013 B. 2014

C. 2012 D. 2011

Ans: C

25. If $a + b + c = 4$ and $ab + bc + ca = 1$, then the value of $a^3 + b^3 + c^3 - 3abc$ is:

A. 50 B. 60

C. 52 D. 47

Ans: C

English Language

1. Select the most appropriate word to fill in the blank.

   There were not enough tinsmiths in Vienna to _____ the lanterns for street lighting.
   A. accomplish   B. compose
   C. execute   D. manufacture

   Ans: D

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

   INORDINATE
   A. undue   B. extreme
   C. exorbitant   D. reasonable

   Ans: D

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

   On September 11, 2001, two hijacked aircrafts crashed to the World Trade Centre in New York.
   A. two hijacked aircrafts
   B. On September 11, 2001
   C. crashed to the
   D. World Trade Centre in New York

   Ans: C

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

   CURRENT
   A. antiquated   B. uncommon
   C. old   D. present

   Ans: D

5. Select the correct passive form of the given sentence.

   The Japanese Emperor Akihito abdicated the Chrysanthemum Throne in April, 2019.
   A. The Japanese Emperor Akihito was abdicated by the Chrysanthemum Throne in April, 2019.
   B. The Chrysanthemum Throne was abdicated by the Japanese Emperor Akihito in April, 2019.
   C. The Chrysanthemum Throne has abdicated by the Japanese Emperor Akihito in April, 2019.
   D. The Chrysanthemum Throne is abdicated by the Japanese Emperor Akihito in April, 2019.

   Ans: B

6. Select the word which means the same as the group of words given.

   impossible or extremely difficult to understand
   A. Inaudible
   B. incomprehensible
   C. incompatible
   D. inevitable

   Ans: B

7. Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select No improvement.

   He tried to prevent his friend <u>to smoke.</u>
   A. from smoking
   B. No improvement
   C. smoking
   D. to smoking

   Ans: A

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

   A. In the opening scene, the young boy Pip meets an escaped convict in a graveyard.
   B.
      Charles Dickens.
   C. The novel is set in Kent and London in the early 19th century.
   D. It depicts the personal growth and development of an orphan named Pip.

   A. ABCD   B. DCAB
   C. CBAD   D. BCDA

   Ans: D

9. Select the word which means the same as the group of words given.

   a type of dome-shaped shelter built from blocks of solid snow
   A. chalet   B. wigwam
   C. hut   D. igloo

   Ans: D

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

    tit for tat
    A. to reward people for the good done
    B. to do harm as done to you
    C. to make someone angry
    D. to make advantage of someone

    Ans: B

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

    bite your tongue
    A. talk for a long time
    B. be impossible to be understood
    C. get bruises in the mouth
    D. stop yourself from saying something

    Ans: D

12. Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need

to substitute it, select No improvement.

The boys were delighted on the idea of going to Goa.
A. at the idea of
B. on an idea of
C. at an idea of
D. No improvement

Ans: A

13. Select the most appropriate word to fill in the blank.

Municipal corporations have started to take _____ of the problems of waste management.
A. perception   B. cognizance
C. knowledge   D. attention

Ans: B

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

JEOPARDIZE
A. threaten   B. imperil
C. protect   D. hazard

Ans: C

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

A. One fine morning, a hunter was getting ready to go hunting.
B. He pulled the blanket over the sleeping child.
C. As he did so, he thought the blanket was not warm enough.
D. Before departing, he went to see his little baby who was sleeping in a crib.

A. ACBD   B. ADBC
C. DCAB   D. CBAD

Ans: B

16. Select the wrongly spelt word.
A. curious   B. curse
C. curry   D. cursore

Ans: D

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

Billionaire Philip is the owner of the luxury yacht Lionheart, which worth an extimated $150 million.
A. which worth
B. the owner of
C. Billionaire Philip is
D. An estimated $150 million

Ans: A

18. Select the correct indirect form of the given sentence.

A. The shopkeeper asked me where my car was.
B. The shopkeeper asked me where my car is.
C. The shopkeeper asked me where was my car.
D. The shopkeeper asked me where is your car.

Ans: A

19. Select the wrongly spelt word.
A. settle   B. satallite
C. satiate   D. session

Ans: B

Comprehension:

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

Trade on the New York Stock Exchange was (1) _____ to a standstill on an autumn day (2) _____ 1994. The culprit for the outage (3) _____ a squirrel that had chewed through a power line near the computer centre of the (4) _____ in Trumbull, Connecticut. The shutdown (5) _____ lasted for half-an- hour, resulted in the NYSE operating at 85 percent capacity.

SubQuestion No: 20

20. Select the most appropriate option for blank No. 1.
A. worked   B. happened
C. taken   D. brought

Ans: D

Comprehension:

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

Trade on the New York Stock Exchange was (1) _____ to a standstill on an autumn day (2) _____ 1994. The culprit for the outage (3) _____ a squirrel that had chewed through a power line near the computer centre of the (4) _____ in Trumbull, Connecticut. The shutdown (5) _____ lasted for half-an- hour, resulted in the NYSE operating at 85 percent capacity.

SubQuestion No: 21

21. Select the most appropriate option for blank No. 2.
A. in   B. by
C. at   D. on

Ans: A

Comprehension:

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

Trade on the New York Stock Exchange was (1) _____ to a standstill on an autumn day (2) _____ 1994. The culprit for the outage (3) _____ a squirrel that had chewed through a power line near the computer centre of the (4) _____ in Trumbull, Connecticut. The shutdown (5) _____ lasted for half-an- hour, resulted in the NYSE operating at 85 percent capacity.

SubQuestion No: 22

22.   Select the most appropriate option for blank No. 3.
        A. is   B. were
        C. was   D. has
Ans: C

Comprehension:

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

Trade on the New York Stock Exchange was (1) _____ to a standstill on an autumn day (2) _____ 1994. The culprit for the outage (3) _____ a squirrel that had chewed through a power line near the computer centre of the (4) _____ in Trumbull, Connecticut. The shutdown (5) _____ lasted for half-an- hour, resulted in the NYSE operating at 85 percent capacity.

SubQuestion No: 23

23.   Select the most appropriate option for blank No. 4.
        A. town   B. store
        C. exchange   D. bank
Ans: C

Comprehension:

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

Trade on the New York Stock Exchange was (1) _____ to a standstill on an autumn day (2) _____ 1994. The culprit for the outage (3) _____ a squirrel that had chewed through a power line near the computer centre of the (4) _____ in Trumbull, Connecticut. The shutdown (5) _____ lasted for half-an- hour, resulted in the NYSE operating at 85 percent capacity.

SubQuestion No: 24

24.   Select the most appropriate option for blank No. 5.
        A. which   B. what
        C. who   D. whom
Ans: A
25.   Select the most appropriate synonym of the given word.

        ADHERE
        A. comply   B. ignore
        C. release   D. detach
Ans: A

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