

General Intelligence

1. Select a pair of words in which two words are related in the same way as the two words in the following word pair.
 Butterflies: Lepidopterists
 A. Chromosome: Botanist
 B. Postcard: Deltiologist
 C. Jewellery: Jeweller
 D. Map: Cartographer

Ans: B

2. Arrange the following words in a logical and meaningful order.
 1. Monkey 2. Elephant
 3. Rat 4. Fly
 5. Lion
 A. 3, 4, 1, 5, 2 B. 4, 3, 1, 5, 2
 C. 4, 1, 3, 2, 5 D. 3, 4, 1, 2, 5

Ans: B

3. 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.

GATE : HXYX :: SINK : _____

- A. TGSE B. TETD
 C. TESD D. TFSD

Ans: D

4. Three of the following four words are alike in a certain way and one is different. Choose that different word.
 A. Giggling B. Hooting
 C. Jogging D. Roaring

Ans: C

5. In a code language, BLEND is written as ENHPG. How will WINNER be written in the same language?
 A. ZKQPHT B. ZKQPHU
 C. YKQPHT D. ZKOPHT

Ans: A

6. If V = 44 and FAT = 54, then how will you code LATE?
 A. 76 B. 110
 C. 54 D. 19

Ans: A

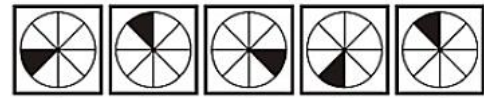
7. In a family, B is the father of K. B has only two children. K is the brother of R. R is the daughter of P. A is the granddaughter of P. S is the father of A. How is S related to K?
 A. Son B. Brother-in-law
 C. Brother D. Son-in-law

Ans: B

8. A plastic toy costs Rs. 7. A plastic spoon costs Rs. 5. X spends Rs. 38 on these plastic items. Find the number of plastic toys he/she purchased?
 A. 3 B. 4
 C. 5 D. 2

Ans: B

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



A B C D E



A.

B.



C.

D.

Ans: A

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

- A. HSKPM B. PKSHV
 C. DWGTJ D. JQMNP

Ans: A

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

(4, 14, 44)

- A. (11, 35, 107) B. (5, 15, 30)
 C. (7, 23, 69) D. (9, 30, 57)

Ans: A

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

132 × 11 + 8 - 3 ÷ 12 = -16

- A. + and - B. × and ÷
 C. + and × D. - and ×

Ans: B

13. Four different positions of the same dice are shown. Find the number on the face opposite to the one having 3.



- A. 6 B. 4
 C. 2 D. 1

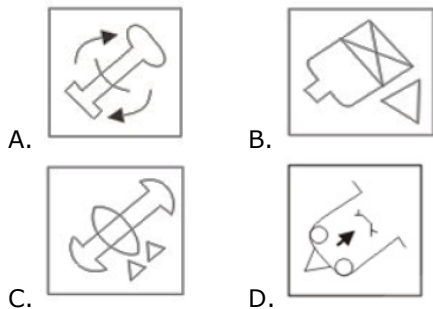
Ans: C

14. 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.

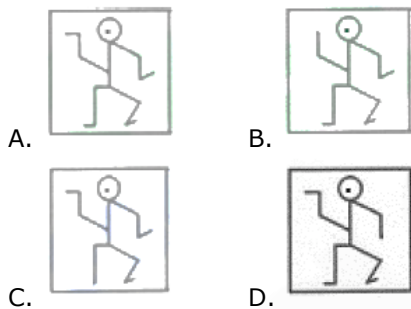
- A. 5138 B. 3128
 C. 9178 D. 9158

Ans: B

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



Ans: C
16. Select the correct mirror image of the given figure when the mirror is placed to the right side of the figure.



Ans: A
17. Select the set in which the numbers are related in the same way as are the numbers of the following set.

- (4, 152, 6)**
 A. (5, 287, 8) B. (4, 179, 7)
 C. (3, 55, 4) D. (2, 208, 6)

Ans: D
18. Three statements are given, followed by three conclusions numbers 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 rocks are oceans.
 All oceans are balloons.
 Some watches are balloons.

Conclusions:
 I. Some balloons are rocks.
 II. Some watches are oceans.

III. All oceans are rocks.
 A. Only conclusion II follows.
 B. Only conclusions I and III follow.
 C. Only conclusions I and II follow.
 D. Only conclusion I follows.

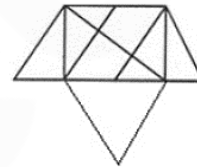
Ans: D
19. Which number will replace the question mark (?) in the following series?

- 5, 8, 20, 34, 76, 142, ?**
 A. 284 B. 302
 C. 296 D. 272

Ans: C
20. 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?

- 7 : 85**
 A. 3 : 31 B. 2 : 9
 C. 5 : 43 D. 8 : 113

Ans: D
21. How many triangles are present in the following figure?

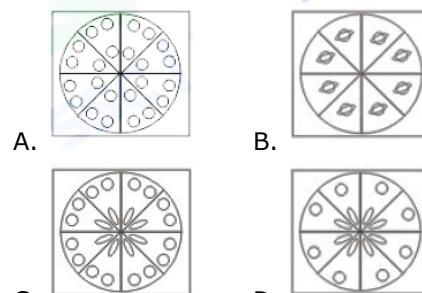


- A. 14 B. 15
 C. 16 D. 13

Ans: B
22. 'Chickenpox' is related to 'Virus' in the same way as 'Ringworm' is related to _____.

- A. Protozoan B. Bacterium
 C. Nematodes D. Fungus

Ans: D
23. A paper is folded and cut as shown in the following figures. How will it appear when unfolded?



Ans: C

24. Select the combination of letters that when sequentially placed in the gaps of the given

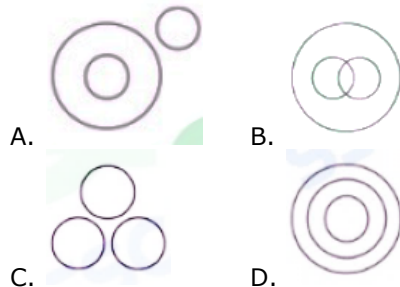
Abd_dab__d_b_cdab_c_

- A. cacacdc B. acacdcc
C. ccaacdc D. cccaccd

Ans: D

25. Select the Venn diagram that best represents the relationship between the following classes.

Laziness, worry, strength



Ans: C

General Awareness

1. In which of the following locations was the Global Venture Capital Summit 2018 held?

- A. Mumbai B. Pune
C. Ahmedabad D. Goa

Ans: D

2. In May 2019, Prem Singh Tamang was sworn in as the Chief Minister of:

- A. Arunachal Pradesh
B. Odisha
C. Sikkim
D. Assam

Ans: C

3. AIX is the operating system of which company?

- A. Apple B. Unisys
C. IBM D. Microsoft

Ans: C

4. Which state has proposed to set up the first 'Blockchain District' in India?

- A. Gujarat B. Maharashtra
C. Telangana D. Tamil Nadu

Ans: C

5. The Sunauli border is a famous transit point between India and _____.

- A. Myanmar B. Nepal
C. Pakistan D. Bhutan

Ans: B

6. Which of the following art forms of Kerala is in UNESCO's list of the Intangible Cultural Heritage of Humanity?

- A. Theyyam B. Kutiyattam
C. Chakyar Koothu D. Thiruvathirakali

Ans: B

7. _____ is the branch of biology that deals with the study of the structure of organisms and their organs.

- A. Ecology B. Anatomy
C. Chronobiology D. Mycology

Ans: B

8. The Walayar Dam is in which district of Kerala?

- A. Kasaragod B. Palakkad
C. Thrissur D. Idukki

Ans: B

9. Veteran journalist and TV anchor Karan Thapar is the author of which of the following books?

- A. Happyness
B. Rebel Sultans
C. Devil's Advocate: The Untold Story
D. Why I Am a Hindu

Ans: C

10. In May 2019, Suresh Kumar was appointed as the Chief Technology Officer of:

- A. Amazon B. Walmart
C. Google D. Apple

Ans: B

11. With which of the following sports is Karun Chandhok associated?

- A. Lawn Tennis B. Badminton
C. Table Tennis D. Car Racing

Ans: D

12. Ottamthullal' is a traditional dance form that is popular in the state of:

- A. Andhra Pradesh B. Karnataka
C. Kerala D. Tamil Nadu

Ans: C

13. Scissor Cup is associated with which sports?

- A. badminton B. cricket
C. hockey D. football

Ans: D

14. In the context of banking sector of India, what is the full form of IMPS?

- A. Instant Payment Service
B. Instant Payment Sector
C. Immediate Payment Sector
D. Immediate Payment Service

Ans: D

15. What is the height of the Statue of Unity that is located in Gujarat?

- A. 93 m B. 120 m
C. 153 m D. 182 m

Ans: D

16. Which is the coldest place in India?

- A. Amarnath B. Dras
C. Leh D. Srinagar

Ans: B

17. Who was appointed as the 24th Chief of Naval Staff in May 2019?

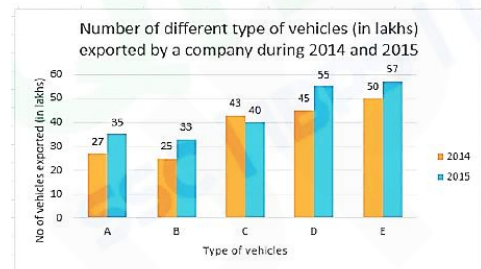
- A. Sunil Lanba
B. Surinder Pal Singh

- C. Bimal Verma
D. Karambir Singh
- Ans:** D
- 18.** Who among the following coined the term "battery" to describe linked capacitors?
A. Benjamin Franklin
B. Luigi Galvani
C. John Frederic Daniell
D. Lewis Urry
- Ans:** A
- 19.** Who among the following is the author of "Principles of Political Economy"?
A. Milton Friedman
B. John Stuart Mill
C. Joseph Schumpeter
D. David Ricardo
- Ans:** B
- 20.** The enzyme, Lipase is produced by which organ of the body?
A. Lung
B. Salivary gland
C. Liver
D. Pancreas
- Ans:** D
- 21.** The Book 'Gulamgiri' was written by:
A. Jyotirao Phule
B. Haridas Thakur
C. Narayana Guru
D. Ramabai Shinde
- Ans:** A
- 22.** Who was the founder of the first search engine called 'Archie'?
A. David Filo
B. Alan Emtage
C. Matthew Gray
D. Martijn Koster
- Ans:** B
- 23.** Who among the following was India's defence minister during the 1971 war between India and Pakistan?
A. Yashwantrao Chavan
B. Indira Gandhi
C. Swaran Singh
D. Jagjivan Ram
- Ans:** D
- 24.** Chhattisgarh does NOT share its boundary with:
A. West Bengal
B. Uttar Pradesh
C. Madhya Pradesh
D. Telangana
- Ans:** A
- 25.** When was the first match of ICC Cricket World Cup 2019 played?
A. 2 June 2019
B. 30 May 2019
C. 1 June 2019
D. 31 May 2019
- Ans:** B

Quantitative Aptitude

- 1.** The area of a field in the shape of a hexagon is $2400\sqrt{3} \text{ m}^2$. What will be the cost of fencing it at Rs. 18.50 per metre?
A. Rs. 4440
B. Rs. 5920
C. Rs. 5550
D. Rs. 5180

- Ans:** A
- 2.** In a circle with centre O, AD is a diameter and AC is a chord. B is a point on AC, such that $OB = 5 \text{ cm}$ and $\angle OBA = 60^\circ$. If $\angle DOC = 60^\circ$, then what is the length of BC?
A. 4 cm
B. $3\sqrt{5} \text{ cm}$
C. $5\sqrt{3} \text{ cm}$
D. 5 cm
- Ans:** D
- 3.** The given Bar Graph presents the number of different types of vehicles (in lakhs) exported by a company during 2014 and 2015.



The total number of type B, D and E vehicles exported in 2014 is what percentage of the total number of type A, C, D and E vehicles exported in 2015 (correct to one decimal place)?
A. 62.4%
B. 61.6%
C. 63.8%
D. 64.2%

- Ans:** D
- 4.** A and B can complete a task in 25 days. B alone can complete $33\frac{1}{a}\%$ of the same task in 15 days. In how many days can A alone complete $\frac{4}{15}$ th of the same task?
A. 15
B. 10
C. 18
D. 12
- Ans:** A
- 5.** Tangents AB and AC are drawn to a circle from a point A, such that $\angle BAC = 40^\circ$. A chord CP is drawn parallel to BA. The measure of $\angle CBP$ is:
A. 55°
B. 45°
C. 35°
D. 40°

- Ans:** D
- 6.** The marked price of an article is Rs. 600. After allowing a discount of 25% on the marked price, there was a loss of Rs. 30. The loss percentage is:
A. 7.50%
B. 7.25%
C. 6.25%
D. 6.50%

- Ans:** C
- 7.** What is the difference between the compound interest, when interest is compounded 5-monthly, and the sim-

ple interest on a sum of Rs. 12,000 for $1\frac{1}{4}$ years at 12% per annum?

- A. Rs. 90 B. Rs. 91.50
C. Rs. 93 D. Rs. 92.50

Ans: B

8. A man travels a certain distance at 12 km/h and returns to the starting point at 9 km/h. The total time taken by him for the entire journey is $2\frac{1}{3}$ hours. The

total distance (in km) covered by him is:

- A. 25 B. 12
C. 24 D. 28

Ans: C

9. $\frac{\cot \theta}{(1 - \sin \theta)(\sec \theta + \tan \theta)}$ is equal to:

- A. cosec θ B. sin θ
C. sec θ D. 1

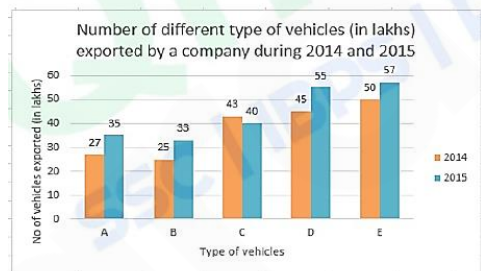
Ans: A

10. There are three numbers. If the average of them is added to the third number, the sums obtained are 177, 163 and 138. What is the average of the largest and the smallest of the given numbers?

- A. 76 B. 79
C. 81 D. 67

Ans: A

11. The given Bar Graph presents the number of different types of vehicles (in lakhs) exported by a company during 2014 and 2015.



What is the ratio of the total number of type A and C vehicles exported in 2014 to the total number of type B and E vehicles exported in 2015?

- A. 8 : 11 B. 7 : 9
C. 2 : 3 D. 5 : 7

Ans: B

12. If $x + y = 7$ and $xy = 10$, then the value of $\left(\frac{1}{x^3} + \frac{1}{y^3}\right)$ is

- A. 0.543 B. 0.131
C. 0.133 D. 0.453

Ans: C

13. A man spends 72% of his income. If his income increases by 28% and his expenditure increases by 25%, then what is the percentage increase or decrease in his savings (correct to one decimal place)?

- A. 26.9% decrease B. 38.4% increase
C. 35.7% increase D. 26.3% decrease

Ans: C

14. The value of $\frac{3}{4} \div \frac{3}{4}$ of $\frac{3}{4} \times \frac{4}{3} + \frac{5}{2} \div \frac{2}{5}$ of $-\left(\frac{2}{3} + \frac{2}{3} \text{ of } \frac{5}{6}\right)$ is:

- A. $\frac{14}{3}$ B. $\frac{41}{9}$
C. $\frac{22}{3}$ D. $\frac{50}{9}$

Ans: D

15. If the nine-digit number 43xll45y2 is divisible by 88, then the value of $(3x - 2y)$, for the smallest value of y , is:

- A. 22 B. 18
C. 20 D. 9

Ans: A

16. A sum of Rs. 4,360 was to be divided among A, B, C and D in the ratio of 3 : 4 : 5 : 8, but it was divided in the ratio of $\frac{1}{3} : \frac{1}{4} : \frac{1}{5} : \frac{1}{8}$ by mistake. As a result:

- A. A received Rs. 956 more
B. B received Rs. 318 more
C. D received Rs. 1,144 less
D. C received Rs. 132 less

Ans: C

17. By selling 72 articles, a loss equal to the selling price of 8 articles was incurred. What is the loss percentage?

- A. 12% B. 10%
C. $9\frac{1}{9}\%$ D. $11\frac{1}{9}\%$

Ans: B

18. If $2\cos^2 \theta - 5 \cos \theta + 2 = 0$, $0^\circ < \theta < 90^\circ$, then the value o $(\text{cosec } \theta + \cot \theta)$ is:

- A. $\frac{1}{\sqrt{3}}$ B. $\sqrt{3}$
C. $\frac{1}{3}$ D. $2\sqrt{3}$

Ans: B

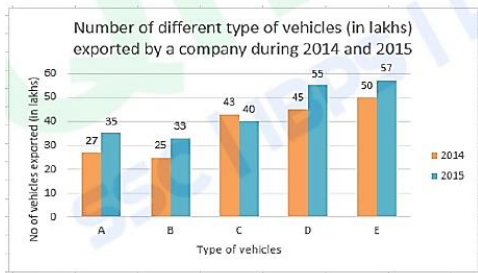
19. If $8x^2 + y^2 - 12x - 4xy + 9 = 0$, then the value of $(14x - 5y)$ is:

- A. 9 B. 6
C. 5 D. 3

Ans: B

20. The given Bar Graph presents the number of different types of vehicles

(in lakhs) exported by a company during 2014 and 2015.



Which type of vehicle showed 32% increase in export in 2015 as compared to that in the previous year?

- A. B
- B. A
- C. E
- D. D

Ans: A

21. The sides AB and AC of $\triangle ABC$ are produced to point D and E, respectively. The bisectors of $\angle CBD$ and $\angle BCE$ meet at P. If $\angle A = 72^\circ$, then the measure of $\angle P$ is:

- A. 36°
- B. 45°
- C. 60°
- D. 54°

Ans: D

22. If $x + y + z = 19$, $xyz = 216$ and $xy + yz + zx = 114$, then the value of

$$\sqrt{x^3 + y^3 + z^3 + xyz}$$

- A. 32
- B. 30
- C. 28
- D. 35

Ans: D

23. The value of
$$\frac{\tan 13^\circ \tan 37^\circ \tan 45^\circ \tan 53^\circ \tan 77^\circ}{2 \operatorname{cosec}^2 60^\circ (\cos^2 60^\circ - 3 \cos 60^\circ + 2)}$$

is:

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

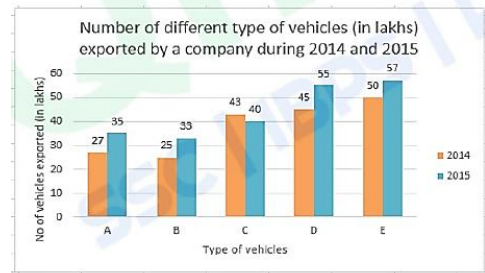
Ans: D

24. In $\triangle ABC$, D is a point on side AB such that $BD = 2$ cm and $DA = 3$ cm. E is a point on BC such that $DE \parallel AC$, and $AC = 4$ cm. Then (Area of $\triangle BDE$) : (Area of trapezium ACED) is:

- A. 4 : 21
- B. 2 : 5
- C. 1 : 5
- D. 4 : 25

Ans: A

25. The given Bar Graph presents the number of different types of vehicles (in lakhs) exported by a company during 2014 and 2015.



The average number of type A, B and D vehicles exported in 2015 was $x\%$ less than the number of type E vehicles exported in 2014. What is the value of x ?

- A. 18
- B. 24
- C. 20
- D. 25

Ans: A

English Language

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

A person belonging to a foreign country

- A. native
- B. resident
- C. alien
- D. inhabitant

Ans: C

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

EXPOSE

- A. hide
- B. bury
- C. reveal
- D. protect

Ans: C

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

MINISCULE

- A. dwarf
- B. small
- C. gigantic
- D. meagre

Ans: C

4. Select the wrongly spelt word.

- A. celebrity
- B. celebrate
- C. ceberation
- D. celebrant

Ans: C

5. 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.

Nowadays rent for a two-room house can run as high to Rs. 40,000/ in Mumbai.

- A. so high so
- B. so high to
- C. No improvement
- D. As high as

Ans: D

6. 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.

Lot of peoples visit this restaurant as its biryani is famous.

- A. No improvement
B. A lot peoples
C. A lot of people
D. Much of people

Ans: C

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

ADVERSARY

- A. helper B. assistant
C. rival D. supporter

Ans: C

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

- A.** Later, they set up their own art school and gallery in the prison.
B. The prisoners wanted to display their art work inside the prison.
C. They took the help of volunteers from the School of Art.
D. Prisoners who were interested in visual arts and painting could study there.

- A. BCAD B. DCAB
C. BDAC D. CBAD

Ans: A

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

Three more elevated roads have been propose in the new plan to unclog the traffic in Delhi.

- A. in the new plan
B. Three more elevate roads
C. to unclog the traffic in Delhi
D. have been propose

Ans: D

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

dance to someone's tune

- A. argue with others on petty matters
B. delay in making a decision
C. do what others what you to do
D. be engaged in an energetic activity

Ans: C

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

leave no stone unturned

- A. leave the path halfway
B. not make enough efforts

- C. turn everything upside down
D. try everything possible

Ans: D

12. Select the wrongly spelt word.

- A. earn B. eerie
C. early D. eagal

Ans: D

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

Tilak rowed through the river and tied his boat on the other side.

- A. and tied his boat
B. on the other side
C. Tilak rowed
D. through the river

Ans: D

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

The prisoners have made these paintings.

- A. These prisoners have been made by the paintings.
B. These paintings were made by the prisoners.
C. These paintings are made by the prisoners.
D. These paintings have been made by the prisoners.

Ans: D

Comprehension:

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

During organised tours in Germany, tourists can (1) _____ a former Nazi compound 40 kilometres from Berlin (2) _____ the 'Forbidden City'. Around twenty thousand people visit this place (3) _____ year to learn about Nazi military history. The Nazis (4) _____ militarily active at the compound, which was kept (5) _____ in a forest and behind a fence. They hid underground bunkers in country homes, and they planned much of World War II here.

SubQuestion No: 15

15. Select the most appropriate option for blank No. 1.

- A. visit B. travel
C. trip D. stay

Ans: A

Comprehension:

In the following passage some words have been deleted. Fill in the blanks with the help

of alternatives given. Select the most appropriate option for each blank.

During organised tours in Germany, tourists can (1) _____ a former Nazi compound 40 kilometres from Berlin (2) _____ the 'Forbidden City'. Around twenty thousand people visit this place (3) _____ year to learn about Nazi military history. The Nazis (4) _____ militarily active at the compound, which was kept (5) _____ in a forest and behind a fence. They hid underground bunkers in country homes, and they planned much of World War II here.

SubQuestion No: 16

- 16.** Select the most appropriate option for blank No. 2.
 A. calling B. calls
 C. call D. called

Ans: D

Comprehension:

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

During organised tours in Germany, tourists can (1) _____ a former Nazi compound 40 kilometres from Berlin (2) _____ the 'Forbidden City'. Around twenty thousand people visit this place (3) _____ year to learn about Nazi military history. The Nazis (4) _____ militarily active at the compound, which was kept (5) _____ in a forest and behind a fence. They hid underground bunkers in country homes, and they planned much of World War II here.

Sub Question No: 17

- 17.** Select the most appropriate option for blank No. 3.
 A. whole B. one
 C. every D. all

Ans: C

Comprehension:

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

During organised tours in Germany, tourists can (1) _____ a former Nazi compound 40 kilometres from Berlin (2) _____ the 'Forbidden City'. Around twenty thousand people visit this place (3) _____ year to learn about Nazi military history. The Nazis (4) _____ militarily active at the compound, which was kept (5) _____ in a forest and

behind a fence. They hid underground bunkers in country homes, and they planned much of World War II here.

SubQuestion No: 18

- 18.** Select the most appropriate option for blank No. 4.
 A. was B. has been
 C. have been D. were

Ans: D

Comprehension:

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

During organised tours in Germany, tourists can (1) _____ a former Nazi compound 40 kilometres from Berlin (2) _____ the 'Forbidden City'. Around twenty thousand people visit this place (3) _____ year to learn about Nazi military history. The Nazis (4) _____ militarily active at the compound, which was kept (5) _____ in a forest and behind a fence. They hid underground bunkers in country homes, and they planned much of World War II here.

SubQuestion No: 19

- 19.** Select the most appropriate option for blank No. 5.
 A. mysterious B. holy
 C. sacred D. concealed

Ans: D

- 20.** Select the correct indirect form of the given sentence.

Mr. Puri said to me, "Why are you taking down this fence?"

- A. Mr. Puri asked me why was I taking down this fence.
 B. Mr. Puri said to me why you were taking down that fence.
 C. Mr. Puri asked me why I was taking down that fence.
 D. Mr. Puri said to me that why are you taking down this fence.

Ans: C

- 21.** Select the most appropriate word to fill in the blank.

I had a stroke at an early age, but what I though was a great _____ at that time changed my life for the better.

- A. injustice B. indent
 C. indication D. incentive

Ans: A

- 22.** Select the word which means the same as the group of words given.

Something that cannot be avoided

- A. indelible B. infallible
C. inevitable D. invincible

Ans: C

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

We have little choice early in life, but as we grow older choices _____.

- A. aggravate B. adrift
C. abound D. afloat

Ans: C

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

- A.** As he looked at them, their heads began to hang low.
B. Akbar glanced at his courtiers in search of an answer.
C. Once Akbar asked his courtiers a very strange question.
D. The courtiers were dumb-founded by his question.

- A. CDBA B. CADB
C. ACBD D. DCAB

Ans: A

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

PERPETRATE

- A. execute B. prevent
C. perform D. commit

Ans: B