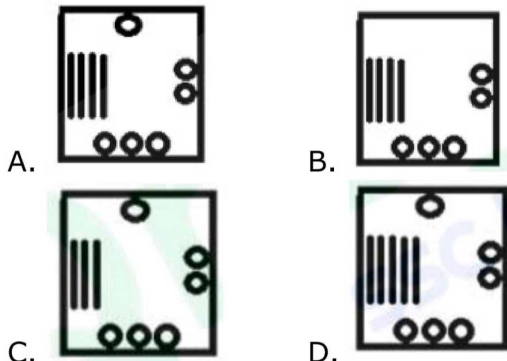
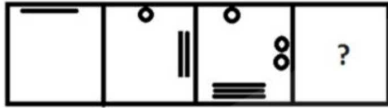


Section: General Intelligence

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



Ans. A

B. Which two numbers should be interchanged in the following equation to make it correct?

$$779 + 14 \times 21 - 532 \div 41 = 807$$

- A. 532 and 779 B. 21 and 41
C. 532 and 41 D. 779 and 21

Ans. A

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

6 4 E K P C 9 2



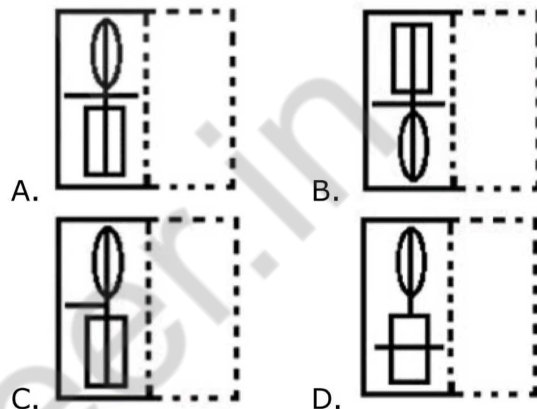
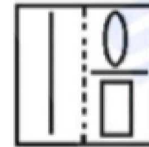
Ans. B

4. In a code language, PROXIMITY is written as ZQTRKAVKO. How will ILLOGICAL be written as in that language?

- A. QNNLINBEL B. QMMKIMCEK
C. QNNKINCEK D. RNNLINCEK

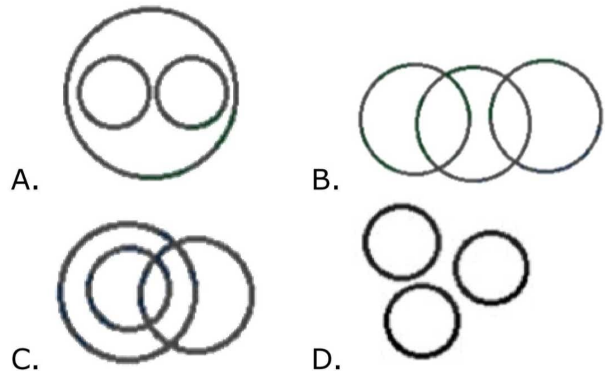
Ans. C

5. 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.



Ans. A

6. Select the Venn diagram that best illustrates the relationship between the following classes. Women, Lawyers. Sons



Ans. B

7. 'Mercury' is related to 'Metal' in the same way as 'Frog' is related to '_____'

- A. Rodent B. Mammal
C. Reptilian D. Amphibian

Ans. D

8. 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.

11 : 120

- A. 8 : 65 B. 17 : 289
C. 12 : 144 D. 2 : 3

Ans. D

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

u _ _ m p m _ _ u u c m _ m m j _ u c _ p m m _

- A. ucujpmmj B. ucmjuumm
C. ucmjpumj D. pcjmpumj

Ans. C

10. 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. DHMR : BJKT :: XCOE : ?

- A. UENG B. VEMG
C. VENG D. VFMH

Ans. B

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

(8, 39, 5)

- A. (10, 60, 6) B. (14, 115, 9)
C. (9, 55, 4) D. (11, 67, 8)

Ans. B

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

- A. Hypertension B. Ulcer
C. Hormone D. Anaemia

Ans. C

13. 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. 224 B. 336
C. 226 D. 448

Ans. C

14. 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:

Some plants are vegetable.

All vegetables are vitamins.

Conclusions:

I. Some vitamins are plants.

II. Some vitamins are vegetables.

III. No vitamin is plant.

A. Either conclusion I or III follows.

B. Only conclusions I and II follow.

C. Only conclusions I and III follow.

D. Only conclusions II and III follow.

Ans. B

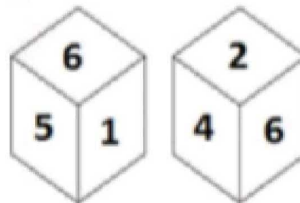
15. Which number will replace the question mark (?) in the following series?

55, 56, 64, 91, 155, ?

- A. 265 B. 275
C. 280 D. 270

Ans. C

16. Two different positions of the same dice are shown below the six faces of which are numbered 1 to 6. Find the number opposite to the face having 3.



- A. 5 B. 2
C. 4 D. 6

Ans. D

17. 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.

Temple : Worship

- A. School : Education
B. Hotel : Expenditure

C. Hospital : Doctor

D. University : Professor

Ans. A

18. If CALLOSUM is coded as 31336134, then how will CEREMONY be coded as?

- A. 35954657 B. 35954547

C. 25945757 D. 35854656

Ans. A

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

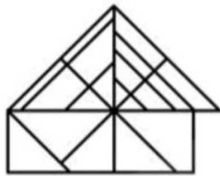
- 1) Setting up alarm clock
- 2) Solving question paper
- 3) Alarm Bell ringing
- 4) Reach examination center
- 5) Getting dressed and be ready
- 6) Returning answer book

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

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

Ans. D

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



A. 25

B. 27

C. 24

D. 26

Ans. A

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

(145, 65, 115)

A. (130, 70, 100) B. (185, 70, 95)

C. (185, 65, 170) D. (80, 50, 110)

Ans. B

22. Three friends A, B and C have different amounts of rupees with them. If A takes 810 from B, then A will have 84 less than C. A and C together have total 8330. How many rupees does C have?

A. 170

B. 174

C. 172

D. 176

Ans. C

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

A. BDGJ

B. DGJM

C. KNQT

D. TWZC

Ans. A

24. A + B means 'A is sister of B'

A - B means 'A is son of B'

A × B means 'A is father of B'

A ÷ B means 'A is brother of B'

If S × M ÷ U + L × Z - 1, then how is L related to I?

A. Brother

B. Father

C. Son

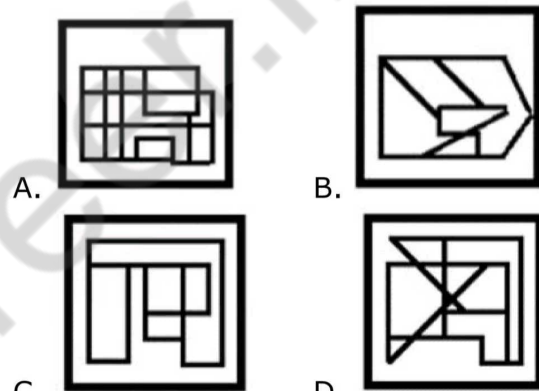
D. Husband

Ans. D

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



Figure-X



Ans. C

Section: General Awareness

1. What was India's rank in the year 2018 in world Crude Steel production according to Steel Users Federation of India?

A. Fourth

B. Second

C. First

D. Third

Ans. B

2 The Chola Empire was invaded by _____ in the early 14th century A.D.

A. Malik Kafur

B. Taimur

C. Muhammad Ghori

D. Genghis Khan

Ans. A

3 Who wrote the book 'An Era of Darkness: The British Empire in India'?

A. Sudha Murthy

B. Shashi Tharoor

C. Ramchandra Guha

D. A P J Abdul Kalam

Ans. B

4. The historical Sher Shah Suri Marg is called as:

- A. National Highway Number 23
- B. National Highway Number 11
- C. National Highway Number 1
- D. National Highway Number 8

Ans. C

5. In 2018, Bharat Vatwani and _____ were the two Indians awarded with the Ramon Magsaysay award.

- A. Rajendra Singh
- B. Arvind Kejriwal
- C. Sonam Wangchuk
- D. Sathyabhama Das Biju

Ans. C

6. With which of the following sports is the term 'bib' associated? The word refers to sheets printed with numbers.

- A. Hockey
- B. Football
- C. Lawn Tennis
- D. Running

Ans. D

7. What is the chemical name of slaked lime?

- A. Calcium Nitrate
- B. Sodium Chloride

Ans. D

8. With which of the following sports is the term 'tumble turns' associated?

- A. Long Jump
- B. Cycling
- C. Swimming
- D. Running

Ans. C

9. In May 2019, Former Miss World Priyanka Chopra visited _____ as UNICEF's Goodwill Ambassador for humanitarian work.

- A. Ethiopia
- B. Uganda
- C. Democratic Republic Of Congo
- D. Kenya

Ans. A

10 To which of the following states does the folk song 'Bhawaiya' belong?

- A. Chhattisgarh
- B. Odisha
- C. West Bengal
- D. Jharkhand

Ans. C

11. _____ attacked the southern coast of Kathiawar along the Arabian Sea,

where he sacked the city of Somnath and its renowned Hindu temple in 1026.

- A. Firoz Shah Tugalaq
- B. Mahmud of Ghazni
- C. Ahmed Shah Tugalaq
- D. Muhammad Ghori

Ans. B

12. After going through the processes of scouring and bleaching, 99% of cotton is made up of which polymer?

- A. Epoxy
- B. Cellulose
- C. Proteins
- D. Teflon

Ans. B

13. A is the main printed circuit board (PCB) in a computer.

- A. ROM (Read only Memory)
- B. CPU (Central Processing Unit)
- C. RAM (Random Access Memory)
- D. Motherboard

Ans. D

14. World Metrology Day' was celebrated in India on in _____ 2019.

- A. 18th April
- B. 25th January
- C. 20th May
- D. 17th February

Ans. C

15. Jawaharlal Nehru port is located in:

- A. Kerala
- B. Maharashtra
- C. Andra Pradesh
- D. West Bengal

Ans. B

16. In Economics, buying an asset in one market and simultaneously selling an identical asset in another market at a higher price is termed as _____.

- A. Depreciation
- B. Mortgage
- C. Arbitrage
- D. Devaluation

Ans. C

17. _____ is the process by which water vapour in the air is changed into liquid water.

- A. Decantation
- B. Precipitation
- C. Evaporation
- D. Condensation

Ans. D

18. Google was founded in 1998 by Larry Page and _____

- A. Peter Thiel
- B. Steve Wozniak
- C. Sereav Brin
- D. Elon Musk

Ans. C

19. _____ is the first Indian gymnast to win a Gold medal at a Global Event in the World Challenge Cup in Turkey.

- A. Ashish Kumar B. Aruna Reddy
C. Rakesh Patra D. Dipa Karmakar

20. The powers, privileges and immunities of either House of Parliament and of its Committees and Members have mainly been laid down in article _____ of the Constitution of India.

- A.115 B.107
C. 105 D.102

Ans. C

21. Kalumar Peak is the highest point in _____ range.

- A. Karakoram B. Satpura
C. Vindhaya D. Aravalli

Ans. C

22. In May 2019, Pakistan successfully test-fired a surface-to-surface ballistic missile named _____.

- A. Salaam III B. Musafir II
C. Watan I D. Shaheen II

Ans. D

23. _____ is a large mass of snow and ice at an high altitude that slides down mountain slopes.

- A. Volcano B. Hurricane
C. Avalanche D. Cyclone

Ans. C

24. Chakri' is a type of traditional music that is popular in the Indian state of _____.

- A. Rajasthan B. Madhya Pradesh
C. Jammu and Kashmir D. Punjab

Ans. C

25. Members of Parliament Local Area Development Scheme (MPLADS) was introduced in December _____.

- A. 2014 B. 2004
C. 1991 D. 1993

Ans. D

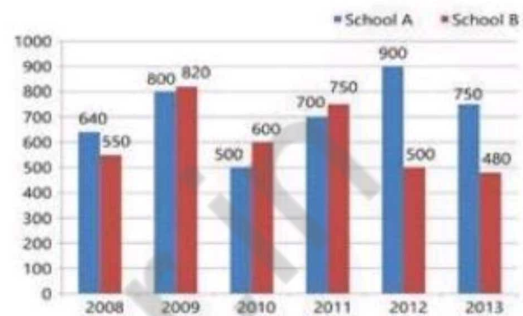
Section: Quantitative Aptitude

1. If $x = 2 + \sqrt{3}$, then the value of $x^3 - x^{-3}$ is:

- A. -52 B. $-30\sqrt{3}$
C. $30\sqrt{3}$ D. 52

Ans. C

2. The given Bar Graph presents the number of students of two schools for six years.



What is the average of the number of students from school A during the six year period?

- A. 760 B. 700
C. 715 D. 765

Ans. C

3. A and B can complete a piece of work in 15 days and 10 days respectively. They got a contract to complete the work for Rs. 35000. The share of A (in Rs.) in the contracted money will be:

- A. Rs. 15000 B. Rs. 14000
C. Rs. 21000 D. Rs. 7000

Ans. C

4. Chords AB and CD of a circle intersect externally at P. If AB = 6 cm, CD = 3 cm and PB = 4 cm, then the length (in cm) of PD is:

- A. 5 B. 6
C. 2 D. 7

Ans. A

5. If each side of a rectangle is increased by 13%, then its area will increase by:

- A. 21.69% B. 13%
C. 27.69% D. 26%

Ans. C

6. The sum of the salaries of A and B together is W000. A spends 95% of his salary and B, 80% of his salary. If now their savings are the same, what is B's salary (in Rs.)?

- A. 8000 B. 34400
C. 10600 D. 4 8600

Ans. D

7. The value of

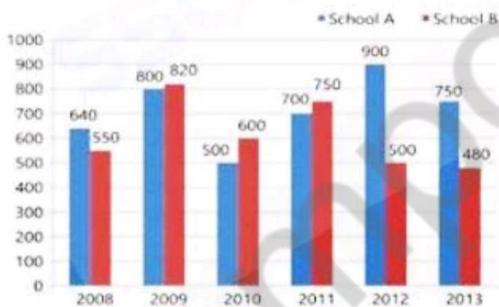
$$\frac{\left(3\frac{1}{5} + \frac{3}{5}\right) \div \frac{8}{5}}{1\frac{1}{8} \div \left\{\frac{5}{8} + \left(\frac{1}{8} \div \frac{1}{3}\right)\right\}}$$

is:

- A. $\frac{19}{16}$ B. $\frac{19}{7}$
C. $\frac{19}{9}$ D. $\frac{19}{64}$

Ans. C

8. The given Bar Graph presents the number of students of two schools for six years.



In which year, the absolute difference of the students in two schools is the lowest?

- A. 2008 B. 2011
C. 2009 D. 2012

Ans. C

9. If $\sin\theta = 3x$ and $\cos\theta = \frac{3}{x}$, ($x \neq 0$) then

the value of $6\left(x^2 + \frac{1}{x^2}\right)$ is:

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

Ans. C

10. If in a ΔABC , the bisectors of $\angle B$ and $\angle C$ meet at O, inside the triangle. If $\angle BOC = 156^\circ$ then the measure of $\angle A$ is:

- A. 66° B. 132°
C. 84° D. 156°

Ans. B

11. Two numbers are in the ratio 3 : 4. On increasing each of them by 30, the ratio becomes 9 : 10. The numbers are:

- A. 30, 40 B. 15, 20
C. 12, 16 D. 18, 24

Ans. B

12. The compound interest on a certain sum of money at 11% for 2 years is Rs.6963. Its simple interest (in Rs.) at the same rate and for the same period is:

- A. Rs.6500 B. Rs.6600
C. Rs.6750 D. Rs.6000

Ans. B

13. A dealer buys an article marked at Rs.20000 with two successive discounts of 10% and 8%. He spends Rs.1440 on repairs and sells it for 20000, what is his profit loss percent (correct to one decimal place)?

- A. 12.3% Profit B. 12.3% loss
C. 11.1% Profit D. 11.1% loss

Ans. C

14. If $\cos x = \frac{-\sqrt{3}}{2}$ and $\pi < x < \frac{3\pi}{2}$, then

the value of $2\cot^2 x - 3\sec^2 x$ is:

- A. 10 B. 4
C. 8 D. 16

Ans. A

15. The ratio between the speeds of two trains is 2 : 5. If the first train runs 350 km in 5 hours, then the sum of the speed (in km/h) of both the trains is:

- A. 180 B. 265

C. 245 D. 350

Ans. C

16. Two students, A and B, appeared for an examination. A secured S marks more than B and the marks of the former was 60% of the sum of their marks. The sum of the marks obtained by A and B is:

A. 45 B. 50
C. 40 D. 75

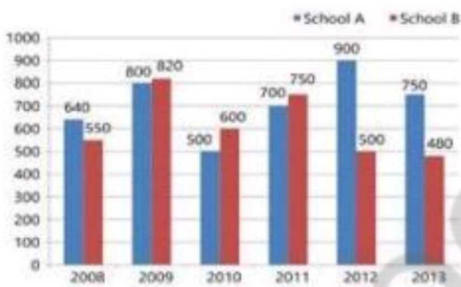
Ans. C

17. The distance between the centre of two circles of radius 4 cm, and 2 cm is 10 cm. The length (in cm) of a transverse common tangent is:

A. 10 B. 6
C. 8 D. 4

Ans. C

18. The given Bar Graph presents the number of students of two schools for six years.



In which year, the percentage increase of students in school A is the highest in comparison to its previous year?

A. 2010 B. 2012
C. 2011 D. 2009

Ans. C

19. Given n is an integer, what is the remainder when $(6n + 3)^2$ is divided by 9?

A. 3 B. 2
C. 1 D. 0

Ans. D

20. There is a polygon of II sides. How many triangles can be drawn by only using the vertices of the polygon?

A. 165 B. 150
C. 175 D. 180

Ans. A

21. If $6^{\sqrt{x}} + 8^{\sqrt{x}} = 10^{\sqrt{x}}$, then the value of x is:

A. 2 B. 16
C. 4 D. 8

Ans. B

22. If

$$4(\operatorname{cosec}^2 66^\circ - \tan^2 24^\circ) + \frac{1}{2} \sin 90^\circ$$

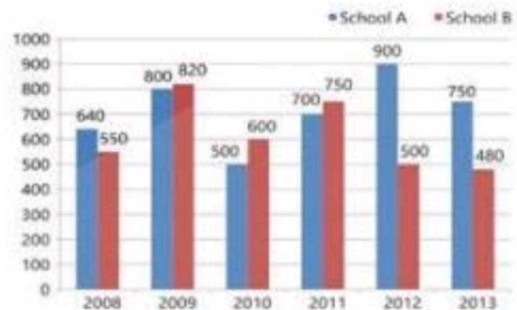
$$-4 \tan^2 66^\circ \tan^2 24^\circ = \frac{y}{2}$$

then the value of y is:

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

Ans. B

23. The given Bar Graph presents the number of students of two schools for six years.



What is the ratio of the number of students taken for all years together from school A to that from school B?

A. 417 : 401 B. 370 : 429
C. 429 : 370 D. 401 : 417

Ans. C

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

A. 1.6 B. 2.4
C. 1.2 D. 0.4

Ans. D

25. The average age of fifteen persons is 32 years. If two more persons are added

then the average is increased by 3 years. The new persons have an age difference of 7 years between them. The age (in years) of the elder among the new persons is:

- A. 58 B. 61
C. 50 D. 54

Ans. B

Section: English Language

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

NOVEL

- A. old B. original
C. new D. fresh

Ans. A

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

In a pickle

- A. in great pain B. in jubilation
C. in trouble D. in deep sorrow

Ans. C

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

That which cannot be seen through

- A. transparent B. invisible
C. magical D. opaque

Ans. D

4. Select the correctly spelt word.

- A. persue B. purseue
C. pursue D. persoue

Ans. C

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

She was _____ with joy at winning the talent show.

- A. overruled B. overturned
C. overwhelmed D. overpowered

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.

For two months I have been trying to decide who (1) _____ the best ice

cream. I have (2) _____ it down to my two favourite manufacturers. Let's start (3) _____ Randolph Farms who have lots of (4) _____ flavours. Then, we have Goodies who use natural (5) _____ to make excellent ice cream.

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

- A. was making B. makes
C. make D. is making

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.

For two months I have been trying to decide who (1) _____ the best ice cream. I have (2) _____ it down to my two favourite manufacturers. Let's start (3) _____ Randolph Farms who have lots of (4) _____ flavours. Then, we have Goodies who use natural (5) _____ to make excellent ice cream.

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

- A. selected B. chosen
C. cancelled D. narrowed

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.

For two months I have been trying to decide who (1) _____ the best ice cream. I have (2) _____ it down to my two favourite manufacturers. Let's start (3) _____ Randolph Farms who have lots of (4) _____ flavours. Then, we have Goodies who use natural (5) _____ to make excellent ice cream.

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

- A. by B. with
C. from D. off

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.

For two months I have been trying to decide who (1) _____ the best ice cream. I have (2) _____ it down to my two favourite manufacturers. Let's start (3) _____ Randolph Farms who have lots of (4) _____ flavours. Then, we have Goodies who use natural (5) _____ to make excellent ice cream.

9. Select the most appropriate option to fill in blank number

- A. unlike
- B. different
- C. variety

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.

For two months I have been trying to decide who (1) _____ the best ice cream. I have (2) _____ it down to my two favourite manufacturers. Let's start (3) _____ Randolph Farms who have lots of (4) _____ flavours. Then, we have Goodies who use natural (5) _____ to make excellent ice cream.

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

- A. elements
- B. ingredients
- C. particles
- D. goods

Ans. B

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

PITFALL

- A. haven
- B. retreat
- C. refuge
- D. hazard

Ans. D

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

1) We even fail to recognize that their call of duty keeps them away from their families.

2) Yet, we often fail to appreciate these sacrifices that they make.

3) They make countless sacrifices for the nation and keep us safe from our enemies.

4) The uniformed men and women are our unsung heroes.

- A. DABC
- B. DCBA
- C. ABCD
- D. CBAD

Ans. B

13. Identify the segment which contains the grammatical error.

The picture of the king's is exactly like the king himself.

- A. the king himself
- B. The picture
- C. is exactly like
- D. of the king's

Ans. D

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

Red letter day

- A. a very special day
- B. a very hot day
- C. a frightful day
- D. a very cold day

Ans. A

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

The commander of the ship as well as the crew are caught by the storm.

- A. is caught in
- B. are caught in
- C. are being caught by
- D. No substitution

Ans. A

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

VITAL

- A. trivial
- B. essential
- C. insignificant
- D. needless

Ans. B

17. Select the wrongly spelt word.

- A. receive
- B. believe

C. grieve D. acheive

Ans. D

18. Identify the segment which contains the grammatical error.

He asked from me if I was interested in a career in modelling.

A. from me if B. I was interested

C. He asked D. in a career

Ans. A

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

He threw the ball towards his little brother.

A. The ball was thrown towards his little brother.

B. The ball is thrown towards his little brother.

C. His little brother's ball was thrown at him.

D. The ball is being thrown towards his little brother.

Ans. A

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

OMINOUS

A. threatening B. foreboding

C. auspicious D. baleful

Ans. C

21. Identify the most appropriate option to substitute the underlined segment. If no substitution is required, select No substitution. All the accident victims have been admitted and received attention.

A. No substitution B. so had received

C. but are receiving D. and have received

Ans. D

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

She says, "I go for a walk every morning."

A. She said that she went for a walk every morning.

B. She says that she goes for a walk every morning.

C. She said that she goes for a walk every morning.

D. She says that I go for a walk every mornina.

Ans. B

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

_____people are remembered even after death for their good deeds.

A. Vicious

B. Virtuous

C. Virtual

D. Violent

Ans. B

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

1) As a result, he had gotten into a million activities and hobbies.

2) Thus, his parents were now reluctant to spend any more money on his hobbies.

3) John hated finishing things almost as much as he loved starting them.

4) But he never stuck with any of them for long.

A. CADB

B. CDBA

C. ADCB

D. BCAD

Ans. A

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

Willing to be guided or controlled

A. adorable

B. adamant

C. amenable

D. abominable

Ans. C