

Section : General Intelligence

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

X q _ _ m c c _ _ q p f m _ b x _ _ f m c _ b

- A. pfbxccqpc B. sfbcccqpc
C. qfbxccqpc D. pfbxcxqpc

Ans. A

2. 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.

2 : 8

- A. 8 : 502 B. 7 : 343
C. 11 : 1321 D. 9 : 629

Ans. B

3. Three persons A, B and C have different amounts of rupees with them. If A takes ` 12 from C, A will have equal amount as B has. A and B together have total ` 102. How many rupees does A have?

- A. 50 B. 55
C. 57 D. 45

Ans. D

4. In a code language, PROMOTE is written as QTROGVQ. How will LICENSE be written as in that language?

- A. EKNGPUG B. EKNGGUP
C. EKMHHUP D. NKEGGUP

Ans. B

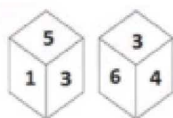
5. Which number will replace the question mark (?) in the following series?

28, 32, 41, 57, 82, ?

- A. 120 B. 118
C. 116 D. 122

Ans. B

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

Ans. A

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

(4, 9, 16)

- A. (25, 36, 64) B. (16, 36, 49)
C. (36, 81, 100) D. (49, 64, 81)

Ans. D

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

4 R F 8 9 3 Z f k 2

- A. **2 k f z 3 9 8 F R 4**
B. **2 k f z 3 9 8 F R 4**
C. **4 R F 8 9 3 Z f k 2**
D. **4 R F 8 9 3 Z f k 2**

Ans. B

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

- A. IMQU B. AFIM
C. UYCG D. SWAE

Ans. B

10. 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. 127 B. 118
C. 130 D. 129

Ans. A

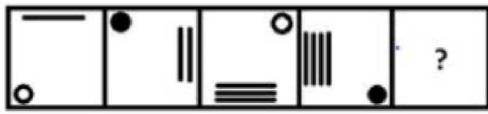
11. Select the Venn diagram that best illustrates the relationship between the following classes.

Metal, Iron, Mercury

- A. B.
C. D.

Ans. C

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



- A. B. C. D.

Ans. C

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.

GSDL : JPGI :: UCWF : ?

- A. XZZC B. XYXC
C. YZZD D. WZZB

Ans. A

14. A + B means A is son of B'
A - B means A is husband of B'
A × B means A is sister of B'
A ÷ B means A is daughter of B'
If F × R × S ÷ G - P ÷ X, then how is X related to R?

- A. Paternal grandfather or paternal grandmother
B. Maternal grandfather or maternal grandmother
C. Father or mother
D. Grandson or granddaughter

Ans. B

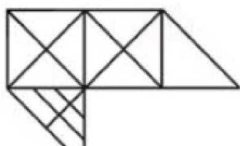
15. Which two signs should be interchanged in the following equation to make it correct?

$$211 \times 14 + 627 \div 33 - 17 = 520$$

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

Ans. D

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



- A. 29 B. 31
C. 30 D. 32

Ans. C

17. If LUCRATIVE is coded as 333912945, then how will AMSTERDAM be coded as?

- A. 141248414 B. 141259414
C. 149248414 D. 131458311

Ans. B

18. 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 ice creams are juices.

No juice is chocolate.

Conclusions:

I. Some chocolates are ice-creams.

II. Some juices are ice-creams.

III. No ice-cream is chocolate.

A. Only conclusions I and II follow.

B. Either conclusion I or III follows.

C. Only conclusions II and III follow.

D. Only conclusions I and III follow.

Ans. C

19. 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.

Architect : House map

A. Carpenter : Furniture

B. Lawyer : Court

C. Doctor : Hospital

D. Teacher : Writer

Ans. A

20. 'Disease' is related to 'Diabetes' in the same way as 'Vehicle' is related to '_____'.
'_____'

A. Driver

B. Fuel

C. Car

D. Chassis

Ans. C

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

A. Circle

B. Triangle

C. Diagram

D. Rectangle

Ans. C

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

(88, 56, 72)

- A. (62, 48, 52) B. (34, 8, 21)
C. (18, 24, 28) D. (66, 48, 57)

Ans. D

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

1. Television audio defect
2. Restart enjoying
3. Contact mechanic
4. Television repair done
5. Switch on television

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

Ans. B

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



Figure-X



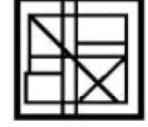
A.



B.



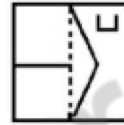
C.



D.

Ans. D

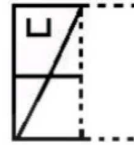
25. A figure of transparent sheet with a pattern is given below. Select the option that shows how the pattern would appear when the transparent sheet is folded at the dotted line.



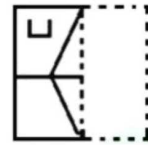
A.



B.



C.



D.

Ans. D

Section : General Awareness

1. Light rays enter the eye through the outer, transparent structure at the front of the eye called the _____.

- A. Lens B. Iris
C. Cornea D. Optic nerve

Ans. C

2. Konark Temple in Odisha was built by which of the following kings?

- A. Bhanu Deva
B. Anantavarman Chodagangadeva
C. Narasimha Deva I
D. Ananga Bhima Deva

Ans. C

3. _____ is the primary acid present in ripe bananas.

- A. Formic Acid B. Sulphuric Acid
C. Malic Acid D. Hydrochloric Acid

Ans. C

4. Which one of the following caves is situated in Maharashtra?

- A. Badami B. Amamath
C. Ellora D. Borra

Ans. C

5. In May 2019, Bengaluru-based medical doctor _____ was honoured with the 'Global Asian of the Year Award 2018-2019' for her contributions to the ecosystem and women healthcare.

- A. Hema Divakar B. Shashi Wadhwa
C. Indira Hinduja D. Neelam Kler

Ans. A

6. Who is the author of the book 'Changing India'?

- A. Narendra Modi
B. Shashi Tharoor
C. A P J Abdul Kalam

- D. Manmohan Singh
Ans. D
7. In 2019 who became the first Indian to win an election in Japan?
A. Charandeep Singh
B. Yogendra Puranik
C. Kishore Kafley
D. Piyush Jindal

- Ans. B
8. Who developed the operating system Linux started as a project by a student of Finland?
A. Barbara Liskov
B. Linus Torvalds
C. Leonard M. Adleman
D. Leslie Lamport

- Ans. B
9. Which of the following is waterfall is created by river Sharavathi the highest waterfall in India?
A. Dhuandhar Falls
B. Athirappilly Falls
C. Jog Falls
D. Dudhsagar Falls

- Ans. C
10. Who won the American Reality Show, 'The World's Best 2019 for displaying his talent as a pianist?
A. Lydian Nadhaswaram
B. Stephen Devassy
C. Utsav Lal
D. Anil Srinivasan

- Ans. A
11. Who presides over the joint sitting of the two Houses of Parliament?
A. Prime Minister
B. The Speaker of the Lok Sabha
C. The Vice President
D. President

- Ans. B
12. In 1991, India's first indigenous supercomputer named was developed by Vijay Bhatkar.
A. Prayas 3000 B. Prayog 2000
C. Param 8000 D. Pragati 5000

Ans. C

13. The quorum to constitute a sitting of the Lok Sabha is _____ of the total number of Members of the House under article 100(3) of the Constitution of India.
A. one-tenth B. one-fifth
C. one-third D. half

Ans. A

14. Paithani Saree belongs to the state of _____.
A. Maharashtra B. Karnataka
C. Tamil Nadu D. Kerala

Ans. A

15. What is the present Statutory Liquidity Ratio (SLR) announced by the Reserve Bank of India with effect from 1st January 2019?
A. 1900 per cent B. 19.50 per cent
C. 19.25 per cent D. 19.75 per cent

Ans. B

16. Which of the following lakes is the largest man-made lake in India?
A. Maharana Pratap Sagar
B. Govind Vallabh Pant Sagar
C. Rajsamand Lake
D. Dhebar Lake

Ans. B

17. With which of the following sports is the term 'Jab' associated?
A. Cricket B. Boxing
C. Billiards D. Basketball

Ans. B

18. Which of the following is a Floating National Park of India?
A. Namdapha B. Similipal
C. Eravikulam D. Keibul Lamjao

Ans. D

19. Alexander invaded India in _____.
A. 467 BC B. 323 BC
C. 454 BC D. 326 BC

Ans. D

20. Somatotropin' is another name for _____.
A. Digestive juice
B. Laughing gas
C. Tear gas
D. Growth hormone

Ans. D

21. _____ from India won the girls' title at the IBSF World Under-16 Snooker Championships held in 2018.

- A. Varsha Sanjeev
- B. Keerthana Pandian
- C. Vidya Pillai
- D. Arantxa Sanchez

Ans. B

22. Which one of the following cyclones hit India in the month of May 2019?

- A. Cyclone Gaja
- B. Cyclone Nargis
- C. Cyclone Hudhud
- D. Cyclone Fani

Ans. D

23. Devotional folk songs called 'Zikir' belong to the Indian state of:

- A. West Bengal
- B. Assam
- C. Uttar Pradesh
- D. Odisha

Ans. B

24. With which sport is the Indian player Neeraj Chopra associated?

- A. Boxing
- B. Swimming
- C. Javelin Now
- D. Billiards

Ans. C

25. What is the amount of minimum assured monthly pension payable under the Pradhan Mantri Shram Yogi Maan-dhan (PM-SYM) scheme of the Government of India?

- A. ` 2000
- B. ` 1000
- C. ` 4000
- D. ` 3000

Ans. D

Section : Quantitative Aptitude

1. 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. -3.6
- B. 3.6
- C. 2.4
- D. -2.4

Ans. A

2. If $3^{\sqrt{x}} + 4^{\sqrt{x}} = 5^{\sqrt{x}}$ then the value of x is :

- A. 8
- B. 2
- C. 4
- D. 1

Ans. A

3. If $6(\sec^2 59^\circ - \cot^2 31^\circ) - \frac{2}{3} \sin 90^\circ - 3 \tan^2 56^\circ y \tan^2 34^\circ = \frac{y}{3}$, then the value of y is :

- A. $\frac{8}{5}$
- B. $-\frac{8}{5}$
- C. $\frac{2}{3}$
- D. $-\frac{2}{3}$

Ans. A

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

- A. $-30\sqrt{3}$
- B. $30\sqrt{3}$
- C. $-30\sqrt{2}$
- D. $30\sqrt{2}$

Ans. A

5. In a ΔABC , the bisectors of $\angle B$ and $\angle C$ meet at point O within the triangle. If $\angle A = 132^\circ$, then the measure of $\angle BOC$ is :

- A. 66°
- B. 84°

Ans. D

6. If $\sec \theta = 3x$ and $\tan \theta = \frac{3}{x}$, ($x \neq 0$) then

the value of $9\left(x^2 - \frac{1}{x^2}\right)$ is :

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

Ans. C

7. A circle is inscribed in a triangle ABC. It touches sides AB, DC and AC at the points P, Q and R respectively, If $BP = 5.4$ cm, $CQ = 7.3$ cm and $AR = 6.1$ cm. then the perimeter (in cm) of the ΔABC is :

- A. 37.25
- B. 37.6
- C. 36
- D. 37

Ans. B

8. The average age of four brothers is 14 years. If their father is also included, the average is increased by 4 years. The age of the father (in years) is:

- A. 36
- B. 34
- C. 40
- D. 38

Ans. B

9. If $\cos x = \frac{-1}{2}$ and $\pi < x < \frac{3\pi}{2}$, then the

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

Ans. B

10. Two students, A and B. appeared for an examination. A secured 8 marks more than B and the marks of the former was 55% of the sum of their marks. The marks obtained by A and B. respectively, are:

- A. 44, 36 B. 36, 28
C. 38, 30 D. 40, 32

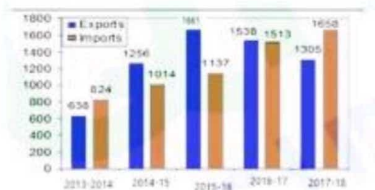
Ans. A

11. If $x\%$ of y is 150 and $y\%$ of z is 300, then the relation between x and z is:

- A. $z = x$ B. $z = x/3$
C. $z = x/2$ D. $z = 2x$

Ans. D

12. 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 absolute difference of the Exports to those of Imports is the lowest?

- A. 2016-2017 B. 2015-2016
C. 2014-2015 D. 2013-2014

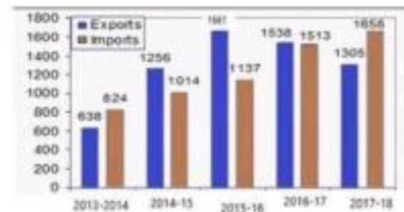
Ans. A

13. A person purchased a vehicle for ₹ 4,90,828 and sold it for ₹ 5,52,920. What is the percent profit earned on this vehicle correct to two decimal places)?

- A. 15.51% B. 11.55%
C. 19.55% D. 12.65%

Ans. D

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.



What is the ratio of total Imports to total Exports during 2014-2015, 2015-2016 and 2016-2017?

- A. 4175 : 4011 B. 3664 : 4455



- C. D. 4011 : 4175

Ans. B

15. A, B and C can complete a piece of work in 4, 20 and 60 days respectively. Working together, they can complete the one third of the same work. In how many days?

- A. $1\frac{3}{19}$ B. $1\frac{1}{19}$
C. $\frac{3}{19}$ D. $2\frac{1}{19}$

Ans. B

16. The chord of the contact of tangents drawn from a point on the circle $x^2 + y^2 = a^2$ to the circle $x^2 + y^2 = b^2$ touches the circle $x^2 + y^2 = c^2$ such that $b^p = a^m c^n$, where $m, n, p \in \mathbb{N}$ and m, n, p are prime to each other, then the value of $m + n + p + 3$ is:

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

Ans. D

17. There was 25% off on shirt. A lady bought a shirt and got an additional 20% discount for paying in cash and further 10% discount for being a loyal customer. She paid ₹ 405. What was the price tag (in ₹) on the shirt?

- A. 650 B. 600
C. 750 D. 725

Ans. C

18. Two numbers are in the ratio of 7 : 5. On diminishing each of them by 40, the ratio becomes 27: 17. The sum of the numbers is:

- A. 300 B. 240
C. 325 D. 275

Ans. A

19. The simplified value of

$$\frac{\left(3\frac{1}{5} + \frac{3}{5}\right) \div \frac{8}{5}}{1\frac{1}{7} \div \left\{\frac{6}{7} - \left(\frac{1}{7} \div \frac{1}{5}\right)\right\}}$$
 is :

- A. $\frac{19}{7}$ B. $\frac{19}{8}$
 C. $\frac{19}{16}$ D. 

Ans. D

20. In triangle ABC, the length of BC is less than twice the length of AB by 3 cm. The length of AC exceeds the length of AB by 9 cm. The perimeter of triangle is 34 cm. The length (in cm) of the smallest side of the triangle is:

- A. 10 B. 9
 C. 7 D. 8

Ans. C

21. The ratio between the speeds of two trains is 5: 7. If the first train covers 300 km in 3 hours, then the speed (in km/h) of the first train is:

- A. 150 B. 140
 C. 100 D. 120

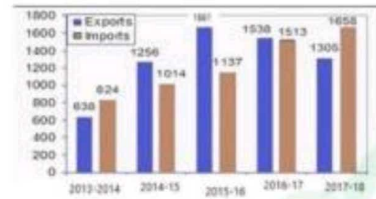
Ans. C

22. If a 10-digit number $1230x558y2$ is divisible by 88, then the value of $(5x - 5y)$ is:

- A. 20 B. 40
 C. 30 D. 50

Ans. B

23. The given Bar Graph presents the Imports and Exports of an item in tonne manufactured by a company for the five financial years. 2013-2014 to 2017-2018.



What is the average of absolute difference between Exports and Imports (in tonnes) during the five financial years?

- A. 266 B. 260
 C. 264 D. 256

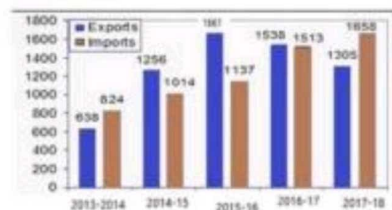
Ans. A

24. The ratio of the areas of two triangles ABC and PQR is 4 : 3 and the ratio of their heights is 5 :3. The ratio of the bases of triangle AHC to that of triangle PQR is:

- A. 12:25 B. 11:15
 C. 15:11 D. 25:12

Ans. A

25. 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 and Exports taken together is the lowest in comparison to its previous financial year?

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

Ans. C

Section : English Language

1. Select the correctly spelt word.

- A. gaiety B. gaily
 C. gaeity D. gayety

Ans. A

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

One who is indifferent to pleasure or pain

- C. stoic D. temperate

Ans. C

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

REPRIMAND

- A. reproach B. reward
 C. eradicate D. applaud

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

- A. They used thin twigs called chew sticks as tooth cleaners.
- B. The fuzzy end was rubbed against the teeth to keep them clean.
- C. These sticks were fuzzy at one end.
- D. How did people clean their teeth before the toothbrush was invented?

- A. DBCA B. ACBD
- C. DACB D. BCAD

Ans. C

5. Identify the segment which contains the grammatical error.

It was a windy autumn day and leaves were fallen rapidly from the trees.

- A. It was a
- B. leaves were fallen
- C. windy autumn day
- D. rapidly from trees

Ans. B

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

My grandmother said, "I bore six children."

- A. My grandmother told that she had bore six children.
- B. My grandmother said that she had borne six children.
- C. My grandmother said that she has born six children.
- D. My grandmother said she bore six children.

Ans. B

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

A previous case that might serve as an example or guide in subsequent situations

- A. precedent B. predecessor
- C. president D. precursor

Ans. A

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

The shoebill stork can be **recognise from its** long legs and broad wings.

- B. recognising from it's
- C. recognised by its
- D. No substitution

Ans. C

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

Have one's hands full

- A. to be very rich
- B. to be very clumsy
- C. to be very busy
- D. to be very generous

Ans. C

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

SORDID

- A. dirty B. solid
- C. clean D. pure

Ans. A

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

FEROCIOUS

- A. fierce B. prudent
- C. gentle D. cunning

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.

My grandmother is the genealogist of the family. She (1) _____ records of births, deaths, marriages and divorces. She takes the job (2) _____ seriously. She sends (3) _____ to the family whenever something noteworthy (4) _____. We recently had a bulletin about the (5) _____ of a relative who bequeathed his antique furniture to his descendants.

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

- A. promotes B. produces
- C. spreads D. maintains

Ans. D

Comprehension :

In the following passage some words have

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

My grandmother is the genealogist of the family. She (1) _____ records of births, deaths, marriages and divorces. She takes the job (2) _____ seriously. She sends (3) _____ to the family whenever something noteworthy (4) _____. We recently had a bulletin about the (5) _____ of a relative who bequeathed his antique furniture to his descendants.

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

- A. quick B. quit
C. quiet D. quite

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.

My grandmother is the genealogist of the family. She (1) _____ records of births, deaths, marriages and divorces. She takes the job (2) _____ seriously. She sends (3) _____ to the family whenever something noteworthy (4) _____. We recently had a bulletin about the (5) _____ of a relative who bequeathed his antique furniture to his descendants.

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

- A. messages B. advertisements
C. brochures D. notices

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.

My grandmother is the genealogist of the family. She (1) _____ records of births, deaths, marriages and divorces. She takes the job (2) _____ seriously. She sends (3) _____ to the family whenever something noteworthy (4) _____. We

of a relative who bequeathed his antique furniture to his descendants.

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

- A. exists B. obtains
C. passes D. occurs

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.

My grandmother is the genealogist of the family. She (1) _____ records of births, deaths, marriages and divorces. She takes the job (2) _____ seriously. She sends (3) _____ to the family whenever something noteworthy (4) _____. We recently had a bulletin about the (5) _____ of a relative who bequeathed his antique furniture to his descendants.

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

- A. demolition B. destruction
C. demise D. damage

Ans. C

17. Select the wrongly spelt word.

- A. accelerate B. accumulate
C. accomplice D. accommodate

Ans. A

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

Face the music

- A. face the enemy
B. enjoy the harmony
C. get appreciation
D. face the criticism

Ans. D

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

- A. Her father had been stuck in an elevator for six hours.
B. Esha had heard from her parents about a blackout caused by a sudden storm.

C. She had to grope in the dark and cook by the candlelight.

D. Her mother's story had been quite different from his.

A. CADB B. BADC

C. BDCA D. ADCB

Ans. B

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

I **have a terrible cold during** several days now.

A. No substitution

B. had a terrible cold since

C. have had a terrible cold for

D. am having a terrible cold during

Ans. C

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

The store manager caught the teenager shoplifting.

A. The store manager is caught shoplifting by the teenager.

B. The teenager is caught shoplifting by the store manager.

C. The teenager has been caught shoplifting by the store manager.

D. The teenager was caught shoplifting by the store manager.

Ans. D

22. Identify the segment which contains the grammatical error.

Each of the pictures have been signed by the football star.

A. have been B. Each of

C. the pictures D. signed by

Ans. A

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

The soldiers planned to attack at a precise hour so they _____ their watches.

A. assessed B. exchanged

C. restored D. synchronized

Ans. D

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

The entrepreneur is looking for an _____ to fund his project.

A. invigilator B. investor

C. aviator D. inspector

Ans. B

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

MISERY

A. dearth B. poverty

C. censure D. bliss

Ans. D