

SSC CHSL Tier 1
2018
(8th July 2019 - Shift
1)

Section: General Intelligence

1. Select the set in which the numbers are related in the same way as are the numbers of the following set. (8, 27, 64)

- A. (49, 64, 81) B. (125, 636, 864)
C. (216, 343, 529) D. (343, 512, 729)

Ans. D

2. 'Heart' is related to 'Circulation' in the same way as 'Lungs' are related to '_____'.
A. Excretion B. Respiration
C. Ribs D. Oxygen

- A. Excretion B. Respiration
C. Ribs D. Oxygen

Ans. B

3. Three friends A, B and C have different amounts of rupees with them. If B takes Rs.7 from A, then B will have equal amount as C has. B and C together have total Rs.157. How many rupees does C have?

- A.80 B. 81
C. 83 D. 82

Ans. A

4. Which number will replace the question mark (?) in the following series?
25, 42, 67, 101, 145, ?

- A.100 B.199
C. 201 D. 202

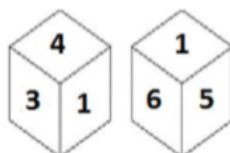
Ans. A

5. 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.
12 : 102

- A.14: 126 B. 8 : 68
C. 6 : 52 D. 16 : 218

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 1.



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

Ans. C

7. 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.193 B.171
C. 173 D.191

Ans. B

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

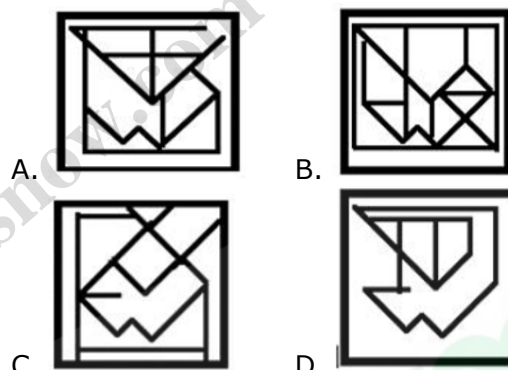
- A. VXZB B. BDGJ
C. DFHJ D. JLNP

Ans. B

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



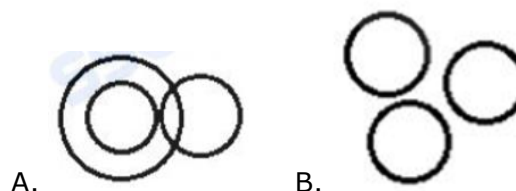
Figure-X



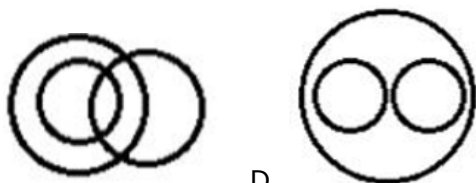
Ans. B

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

Mobile phones. Electronic devices. Laptops



- A. B.



C.

D.

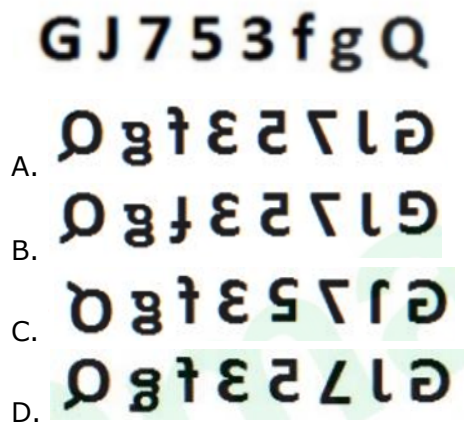
Ans. D

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

- A. Carbohydrates B. Energy
C. Protein D. Vitamins

Ans. B

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



Ans. A

13. Which of the following sequence of signs will correctly solve the given equation by replacing the question marks?
 $1105 ? 65 ? 835 ? 25 ? 5 = 727$

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

Ans. B

14. 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.

Exercise : Fitness

- A. Harmony : War
B. Hobby : Internet
C. Education : Institute
D. Treatment Recovery

Ans. D

15. In a code language, CARNIVAL is written as LPYAJYTG. How will DISTANCE be written as in that language?

- A. RQGBDAMY B. SQHBCALZ
C. RQGBCALY D. RPGBCZLY

Ans. C

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

- 1) Marriage hall booking
- 2) Deciding marriage day
- 3) Inviting guests
- 4) Marriage ceremony
- 5) Invitation cards printing

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

Ans. D

17. If FINANCIAL is coded as 695153913, then how will LUCRATIVE be coded as?

- A. 333912955 B. 433922945
C. 343912945 D. 333912945

Ans. D

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

A - B means 'A is husband of B'

A × B means 'A is son of B'

A ÷ B means 'A is brother of B'

If $Q \div U \times K \times H - D + J$, then how is K related to J?

- A. Brother B. Father
C. Sister D. Paternal uncle

Ans. A

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

(4, 41, 5)

- A. (7, 81, 9) B. (6, 85, 8)
C. (2, 21, 4) D. (5, 61, 6)

Ans. D

20. 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 equipment are screw-drivers.

All machines are equipment.

Conclusions:

I. Some screw-drivers are equipment.

II. Some screw-drivers are machines.

III. All equipment are machines.

A. Only conclusions I and III follow.

B. Only conclusions II and III follow.

C. All conclusions follow.

D. Only conclusions I and II follow.

Ans. D

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



A.

B.



C.

D.

Ans. A

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

t s m _ n q _ s m m n _ s t _ m m n _ q s

A. mnstnqmn

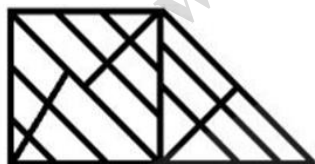
B. mmstmqtn

C. mnstnqsn

D. nmstnqns

Ans. C

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



A. 29

B. 28

C. 27

D. 30

Ans. C

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

KSOE : MQQC : : ACZN : ?

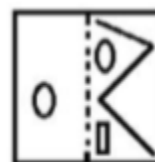
A. CABL

B. CBBL

C. DAEL

D. CABK

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. A

Section: General Awareness

1. _____ are stable, negatively charged particles found in all atoms.

A. Photons

B. Protons

C. Neutrons

D. Electrons

Ans. D

2 Rusting of iron is an example of _____

A. combustion

B. corrosion

C. evaporation

D. condensation

Ans. B

3. _____ was the network that became the basis for the Internet.

A. Clusters

B. HTTP

C. ARPANET

D. SSID

Ans. C

4. Who among the following wrote the book 'The Namesake'?

- A. Arundhati Roy
- B. Jhumpa Lahiri
- C. Amitav Ghosh
- D. Siddhartha Mukherjee

Ans. B

5. Which one of the following is an Audio Tool?

- A. Avidemus
- B. Ardour
- C. DScaler
- D. Blender

Ans. B

6. With which of the following sports is the term 'Cox' associated?

- A. Long Jump
- B. Boat Racing
- C. Boxing
- D. Javelin Throw

Ans. B

7. The hill station of Chail is located in _____

- A. Himachal Pradesh
- B. Uttar Pradesh
- C. Arunachal Pradesh
- D. Madhya Pradesh

Ans. A

8. _____ gas gives an orange glow when electricity is passed through it. It is generally used in fluorescent lighting.

- A. Nitrogen
- B. Hydrogen
- C. Neon
- D. Oxygen

Ans. C

9. Which of the following is the capital of the Union Territory Dadra and Nagar Haveli?

- A. Port Blair
- B. Kavaratti
- C. Daman
- D. Silvassa

Ans. D

10. The Vikramashila University was founded by _____

- A. Ashoka
- B. Dharmapala
- C. Chandragupta-I
- D. Bimbisara

Ans. B

11. From which Indian state did 'Warli Art' originate?

- A. Maharashtra
- B. Rajasthan
- C. Kerala
- D. Madhya Pradesh

Ans. A

12. The present day city of Bhopal was built by which of the following Pratihara rulers?

- A. Mahendra Bhoja
- B. Rajyapala
- C. Vijayasena
- D. Mihir Bhoja

Ans. D

13. The 'Pattachitra' style of painting is one of the oldest and most popular art forms of _____

- A. West Bengal
- B. Assam
- C. Odisha
- D. Rajasthan

Ans. C

14. Which of the following rivers originates in Amarkantak Hill in Madhya Pradesh?

- A. Periyar
- B. Ravi
- C. Narmada
- D. Gomti

Ans. C

15. In which city has India's first HIV treatment centre and clinic for the lesbian, gay, bisexual, transgender and queer (LGBTQ) community been inaugurated?

- A. Bhopal
- B. Bengaluru
- C. Kolkata
- D. Mumbai

Ans. D

16. In August 2018, _____ became the first Indian to win the 'Best Actor' award at the Norwegian national awards held in Haugesund, Norway.

- A. Man Khan
- B. Nawazuddin Siddique
- C. Adil Hussain
- D. Nasiruddin Shah

Ans. C

17. The currency of Japan is _____.

- A. Renminbi
- B. Euro
- C. Yen
- D. Dollar

Ans. C

18. Which one of the following is the joint Army exercises between France and India?

- A. Shakti
- B. Garuda Shakti
- C. Khanjar
- D. Sampriti

Ans. A

19. The first session of the first Lok Sabha commenced on _____.

- A. 26th January 1950
- B. 15th August 1947
- C. 15th August 1951

D. 13th May 1952

Ans. D

20. India won a total of _____ medals at the Special Olympics World Summer Games held in Abu Dhabi from 14 to 21 March 2019.

- A. 252 B. 368
C. 441 D. 312

21. The border between India and Bhutan adjoins _____ Indian states.

- A. Four B. Three
C. Five D. Two

Ans. A

22. With which of the following sports was Narender Hirwani associated?

- A. Hockey B. Football
C. Boxing D. Cricket

Ans. D

23. The 'i-help' initiative to promote digital electoral literacy has been launched in which of the following states?

- A. Bihar B. Arunachal Pradesh
C. Chhattisgarh D. Assam

Ans. D

24. _____ is the final value of all the finished goods and services produced within a country's borders in a specific time period.

- A. Government revenue
B. Net National Product
C. Gross Domestic Product
D. Gross National Product

Ans. C

25. Who decides the admissibility of Questions in Lok Sabha?

- A. Speaker B. Prime Minister
C. Deputy Speaker D. Vice President

Ans. A

Section: Quantitative Aptitude

1. The simplified value of

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

- A. $\frac{19}{8}$ B. $\frac{19}{16}$
C. $\frac{19}{64}$ D. $\frac{19}{7}$

Ans. A

2. If each side of a rectangle is increased by 22% then its area will increase by:

- A. 44% B. 50%
C. 46.65% D. 48.84%

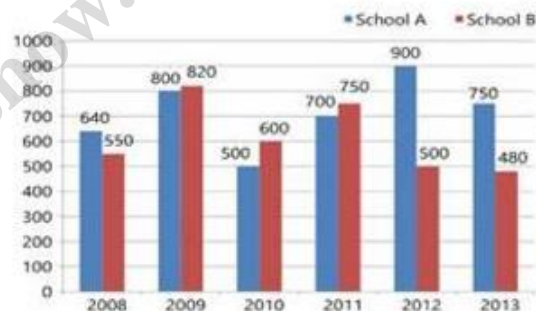
Ans. D

3. If $\cos x = \frac{-1}{2}$ and $\pi < x < \frac{3\pi}{2}$. then the value of $2\tan^2 x - 3\operatorname{cosec}^2 x$ is:

- A. 2 B. 10
C. 8 D. 4

Ans. A

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

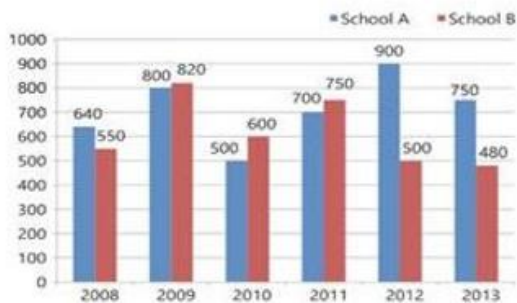


In which year, the absolute difference between the numbers of students in two schools is the highest?

- A. 2013 B. 2010
C. 2012 D. 2011

Ans. C

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

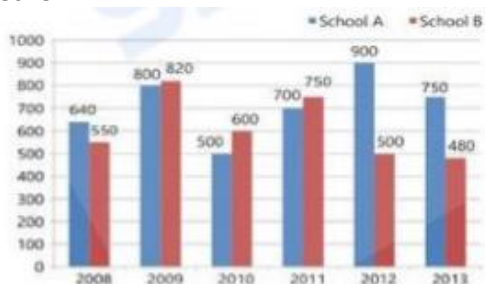


What is the ratio of students taken for all years together from School B to that from school A?

- A. 370: 429 B. 415: 401
C. 429: 370 D. 401: 415

Ans. A

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



What is the average number of students from school B during the six year period (correct to two decimal places)?

- A. 656.17 B. 616.67
C. 66D.37 D. 660.17

Ans. B

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

- A. 35 B. 32
C. 30 D.25

Ans. A

8. A dealer buys an article marked at 220000 with two successive discounts of 20% and 5%. He spends Rs.1000 for its repair and sells it for Rs.20000. What is his profit /loss percent (correct to two decimal places)?

- A. 25.64% profit B. 23.64% loss

- C. 23.46% profit D. 25.64% loss

Ans. C

9. In a ΔABC , the bisectors of $\angle B$ and $\angle C$ meet at o within the triangle. If $\angle A = 110^\circ$, then the measure of $\angle BOC$ is:

- A. 55° B. 110°
C. 145° D. 84°

Ans. C

10. If $(x - 8)^3 + (2x + 16)^3 + (2x - 13)^3 = 3(x - 8) + (2x + 16)(2x - 13)$, then what is the value of x?

- A. 0.7 B. -1
C.1 D. 0

Ans. C

11. There are two circles of radius 5 cm and 3 cm respectively. The distance between their centres is 10 cm. The length (in cm) of a transverse common tangent is:

- A. 9 B. 6
C. 8 D. 10

Ans. B

12. If $2(\operatorname{cosec}^2 39^\circ - \tan^2 51^\circ) - \frac{2}{3} \sin 90^\circ - \tan^2 56^\circ y \tan^2 34^\circ = \frac{y}{3}$, then the value of y is:

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

Ans. A

13. The sum of salaries of A and B is Rs. 43000. A spends 95% of his salary and B spends 50% of his salary. If their savings are the same, what is A's salary (in Rs.)?

- A. 10600 B. 8000
C. 35000 D. 34400

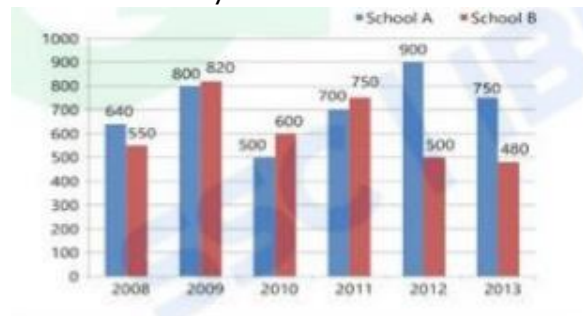
Ans. D

14. A person purchased a vehicle for Rs. 4,89,828 and sold it for Rs. 5,89,828. What is the profit percent he earned on this vehicle (correct to ova decimal places)?

- A. 25% B. 18.65%
C. 20.42% D. 15%

Ans. C

15. The given Bar Graph shows the number of students of two schools for six years.



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

- A. 2011 B. 2013
C. 2009 D. 2010

Ans. C

16. If $3\sqrt[4]{x} + 4\sqrt[4]{x} = 5\sqrt[4]{x}$, then the value of x is:

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

Ans. D

17. The ratio between the speeds of two trains is 2 : 5. If the first train covers 350 km in 5 hours, then the speed (in km/h) of the second train is:

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

Ans. A

18. 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. 7000 B. 15000
C. 14000 D. 21000

Ans. C

19. 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 age difference of 7 years. The age (in years) of the younger among the new persons is:

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

Ans. A

20. 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 sum of the marks obtained by A and B is:

- A. 100 B. 80
C. 75 D. 90

Ans. B

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

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

Ans. A

22. If an 8-digit number $30x558y2$ is divisible by 88, then the value of $(6x - 6y)$ is:

- A. 42 B. 66
C. 30 D. 35

Ans. A

23. In triangle ABC, the length of BC is less than twice the length of AB by 3 cm. The length of the AC exceeds the length of AB by 1 cm. The perimeter of the triangle is 34 cm. The length (in cm) of the smaller side of the triangle is:

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

Ans. D

24. If $\operatorname{cosec}\theta = 3x$ and $\cot\theta = \frac{3}{x}$, ($x \neq 0$)

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

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

Ans. A

25. 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 $2m + n + 2p - 3$ is:

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

Ans. B

Section: English Language

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

A. But when their short racing careers are over, greyhounds are adopted as household pets. B. Greyhound racing is a popular spectator sport in the United States.

C. They worry that the greyhounds would need a large space to run to get sufficient exercise.

D. Unfortunately, many people hesitate to adopt a retired racing greyhound as a pet.

- A. DACB B. DBCA
C. BADC D. BDAC

Ans. C

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

A. Little did she know that I was out of job once again.

B. But all the money soon vanished into the bottomless pit of household needs.

C. I returned home with my pockets full of my earnings.

D. However, my grandmother was happy that I had become responsible.

- A. DBAC B. CBDA
C. BCDA D. CDAB

Ans. B

3. Select the most appropriate passive form of the given sentence. The surgeon successfully operated upon the patient.

A. The patient is being successfully operated upon by the surgeon.

B. The patient is successfully operated upon by the surgeon.

C. The patient was successfully operated upon by the surgeon.

D. The surgeon has been successfully operated upon by the patient.

Ans. C

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

No sooner was his name called out when he was gone onto the stage to receive the award.

- A. and he was going B. No substitution
C. but he went D. than he went

Ans. D

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

ASCENT

- A. nascent B. descent
C. crescent D. recent

Ans. B

6. Identify the segment which contains the grammatical error. Pleasure cannot derive from giving pain to innocent people.

- A. Pleasure cannot derive B. pain to
C. innocent people D. from giving

Ans. A

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

One who walks on foot

- A. pauper B. pediatrician
C. pedestrian D. protagonist

Ans. C

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

Pass the hat

- A. to sell something
B. to collect money
C. to play a game
D. to avoid work

Ans. B

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

RESOLUTE

- A. unsure B. determined
C. uncertain D. hesitant

Ans. B

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

As the crow flies

- A. to be uncertain
- B. a long winding path
- C. the shortest route
- D. to be directionless

Ans. C

11. Identify the segment which contains the grammatical error.

Lack of formal education did not prevent Lincoln to become a great leader.

- A. did not prevent
- B. a great leader Ne
- C. to become
- D. Lack of

Ans. C

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

I had _____ pain in the stomach after taking lunch.

- A. strict
- B. heavy
- C. huge
- D. acute

Ans. D

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

I was astonished on the ignorance in the villagers.

- A. over the ignorance between
- B. No substitution
- C. on the ignorance by
- D. at the ignorance of

Ans. D

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

All organizations seek sincere and _____ employees.

- A. industrious
- B. industrial
- C. inactive
- D. inert

Ans. A

15. Select the wrongly spelt word.

- A. extract
- B. eligible
- C. extension
- D. explanation

Ans. D

16. Select the correctly spelt word.

- A. oppertunity
- B. opportunity
- C. oppurtunity
- D. oportunity

Ans. B

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

Father said to his daughter, "I will attend your convocation tomorrow."

- A. Father told his daughter that he would attend her convocation the next day.
- B. Father told his daughter I will attend her convocation tomorrow.
- C. Father told his daughter that he will attend her convocation tomorrow.
- D. Father told his daughter that he will be attending her convocation the next day.

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.

As the rains receded I got a strange job. Our neighbour, a (1) _____ merchant decided to become a politician. But he was (2) _____ so he wanted me to (3) _____ him everywhere he went and read and write (4) _____ him. For my work I was to be paid decent (5) _____

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

- A. populous
- B. prosperous
- C. affluent
- D. ambitious

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.

As the rains receded I got a strange job. Our neighbour, a (1) _____ merchant decided to become a politician. But he was (2) _____ so he wanted me to (3) _____ him everywhere he went and

read and write (4) _____ him. For my

work I was to be paid decent (5) _____

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

- A. illogical B. illegible
C. illegitimate D. illiterate

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.

As the rains receded I got a strange job.

Our neighbour, a (1) _____ merchant

decided to become a politician. But he was

(2) _____ so he wanted me to (3)

_____ him everywhere he went and

read and write (4) _____ him. For my

work I was to be paid decent (5) _____

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

- A. attend B. coexist
C. accompany D. coincide

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.

As the rains receded I got a strange job.

Our neighbour, a (1) _____ merchant

decided to become a politician. But he was

(2) _____ so he wanted me to (3)

_____ him everywhere he went and

read and write (4) _____ him. For my

work I was to be paid decent (5) _____

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

- A. for B. from
C. on D. through

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.

As the rains receded I got a strange job.

Our neighbour, a (1) _____ merchant

decided to become a politician. But he was

(2) _____ so he wanted me to (3)

_____ him everywhere he went and

read and write (4) _____ him. For my

work I was to be paid decent (5) _____.

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

- A. wages B. prize
C. reward D. bonus

Ans. A

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

INTREPID

- A. gallant B. cowardly
C. insecure D. invisible

Ans. A

24. Select the most appropriate word for the group of words. An official pardon

- A. regicide B. redemption
C. amnesty D. amnesia

Ans. C

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

FLEXIBLE

- A. pliant B. elastic
C. stiff D. variable

Ans. C