

Q1. 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.

Butterflies : Lepidopterist

- (a) Chromosomes: Botanist
- (b) Postcards : Deltiologist
- (c) Jewels : Jeweler
- (d) Maps : Cartographer

Q2. 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

Q3. 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

Q4. Three of the following four words are alike in a certain way and one is different. Pick the odd one out.

- (a) Roar
- (b) Hoot
- (c) Bray
- (d) Amble

Q5. 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

Q6. If V=44 and FAT=54, then how will you code LATE?

- (a) 76
- (b) 110
- (c) 54
- (d) 19

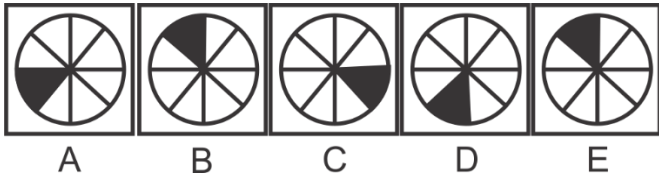
Q7. In a family, B is the father of K. B has only two children. K is the brother of R. R is the daughter of P. A is the grand-daughter of P. S is the father of A. how is S related to K?

- (a) Son
- (b) Brother-in-law
- (c) Brother
- (d) Son-in-law

Q8. A plastic toy costs Rs7. A plastic spoon costs Rs5. X spends Rs38 on these plastic items. Find the number of plastic toys he/she purchased?

- (a) 3
- (b) 4
- (c) 5
- (d) 2

Q9. Select the figure that will come next in the following figure series.



(a)



(b)



(c)



(d)



Q10. Three of the following four letter-clusters are alike in a certain way and one is different. Pick the odd one out.

- (a) HSKPM
- (b) PKSHV
- (c) DWGTJ
- (d) JQMNP

Q11. Select the set in which the numbers are related in the same way as are the numbers of the following set.

(4, 14, 44)

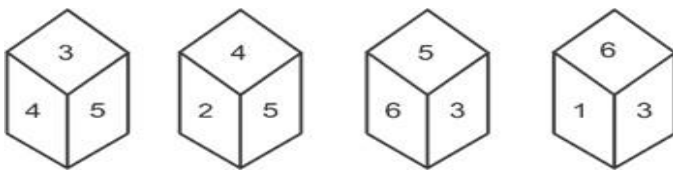
- (a) (11, 35, 107)
- (b) (5, 15, 30)
- (c) (7, 23, 69)
- (d) (9, 30, 57)

Q12. Which two signs should be interchanged in the following equation to make it correct?

$$132 \times 11 + 8 - 3 \div 12 = -16$$

- (a) + and -
- (b) \times and \div
- (c) + and \times
- (d) - and \times

Q13. Four different positions of the same dice are shown. Find the number on the opposite to the one having 3.



- (a) 6
- (b) 4
- (c) 2
- (d) 1

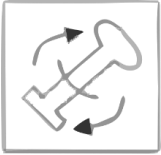
Q14. Three of the following four numbers are alike in a certain way and one is different. Pick the number that is different from the rest.

- (a) 5138
- (b) 3128
- (c) 9178
- (d) 7158

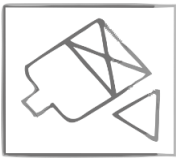
Q15. Select the option in which the given figure is embedded.



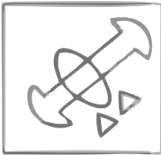
(a)



(b)



(c)



(d)



Q16. Select the correct mirror image of the given figure when the mirror is placed to the right side of the figure.



(a)



(b)



(c)



(d)



Q17. 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)

Q18. Three 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 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.

Q19. 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

Q20. 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

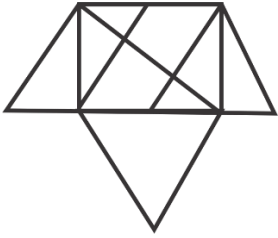
(a) 3 : 31

(b) 2 : 9

(c) 5 : 43

(d) 8 : 113

Q21. How many triangles are present in the following figure?

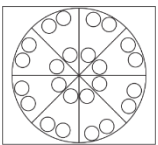
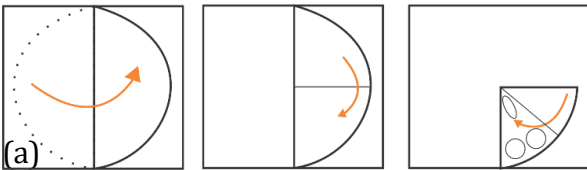


- (a) 14
- (b) 15
- (c) 16
- (d) 13

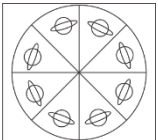
Q22. 'Chickenpox' is related to 'Virus' in the same way as 'Ringworm' is related to '_____ '.

- (a) Protozoan
- (b) Bacterium
- (c) Nematodes
- (d) Fungus

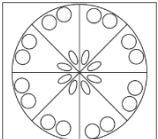
Q23. A paper is folded and cut as shown in the following figures. How will it appear when unfolded?



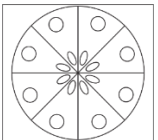
(b)



(c)



(d)



Q24. Select the combination of letters that when sequentially placed in the gaps of the given letter series will complete the series.

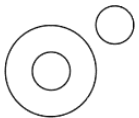
a b c _ d a b _ _ d _ b _ c d a b _ c _

- (a) cacacdc
- (b) acacdcc
- (c) ccaacdc
- (d) cccaccd

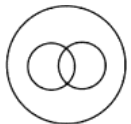
Q25. Select the Venn diagram that best illustrates the relationship between the following classes.

Lethargy, Anxiety, Power

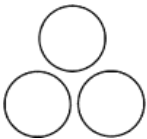
(a)



(b)



(c)



(d)



Q26. In which of the following locations was the Global venture Capital Summit 2018 held?

- (a) Mumbai
- (b) Pune
- (c) Ahmedabad
- (d) Goa

Q27. In May 2019, Prem Singh Tamang was sworn in as the Chief Minister of

- (a) Arunachal Pradesh
- (b) Odisha
- (c) Sikkim
- (d) Assam

Q28. AIX is the operating system of which company?

- (a) Apple
- (b) Unisys
- (c) IBM
- (d) Microsoft

Q29. Which state has proposed to set up the first 'Blockchain District' in India?

- (a) Gujarat
- (b) Maharashtra
- (c) Telangana
- (d) Tamil Nadu

Q30. The Sunauli border is a famous transit point between India and _____-

- (a) Myanmar
- (b) Nepal
- (c) Pakistan
- (d) Bhutan

Q31. 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

Q32. _____ 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

Q33. The Walayar Dam is in which district of Kerala?

- (a) Kasaragod
- (b) Palakkad
- (c) Thrissur
- (d) Idukki

Q34. Veteran Journalist and TV anchor Karan Thapar is the author of which of the following books?

- (a) Happyyness
- (b) Rebel Sultans
- (c) Devil's Advocate: The Untold Story
- (d) Why I Am a Hindu

Q35. In May 2019, Suresh Kumar was appointed as the Chief Technology Officer of:

- (a) Amazon
- (b) Walmart
- (c) Google
- (d) Apple

Q36. With which of the following sports is Karan Chandhok associated?

- (a) Lawn Tennis
- (b) Badminton
- (c) Table Tennis
- (d) Car Racing

Q37. Ottamthullal” is a traditional dance form that is popular in the state of:

- (a) Andhra Pradesh
- (b) Karnataka
- (c) Kerala
- (d) Tamil Nadu

Q38. Scissor Cup is associated with which sports?

- (a) badminton
- (b) cricket
- (c) hockey
- (d) football

Q39. 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

Q40. 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

Q41. Which is the coldest place in India?

- (a) Amarnath
- (b) Dras
- (c) Leh
- (d) Srinagar

Q42. 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

Q43. 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

Q44. Who among the following is the author of "Principles of Political Economy"?

- (a) Milton Friedmen
- (b) John Stuart Mill
- (c) Joseph Schumpeter
- (d) David Rcardo

Q45. The enzyme, Lipase is produced by which organ of the body?

- (a) Lung
- (b) Salivary gland
- (c) Liver
- (d)Pancreas

Q46. The book 'Gulamgiri' was written by:

- (a) Jyotirao Phule
- (b) Haridas Thakur
- (c) Narayana Guru
- (d) Ramabai shinde

Q47. Who was the founder of the first search engine called 'Archie'?

- (a) David Filo
- (b) Alan Emtage
- (c) Matthew Gray
- (d) Martijn Koster

Q48. Who among the following was India's defence minster during the 1971 war between India and Pakistan?

- (a) Yashwantrao Chavan
- (b) Indira Gandhi
- (c) swaran Singh
- (d) Jagjivan Ram

Q49. Chhattisgarh does NOT share its boundary with:

- (a) West Bengal
- (b) Uttar Pradesh
- (c) Madhya Pradesh
- (d) Telangana

Q50. When was the first match of ICC Cricket World Cup 2019 played?

- (a) 2 June2019
- (b) 30 May2019
- (c) 1 June2019
- (d) 31 May2019

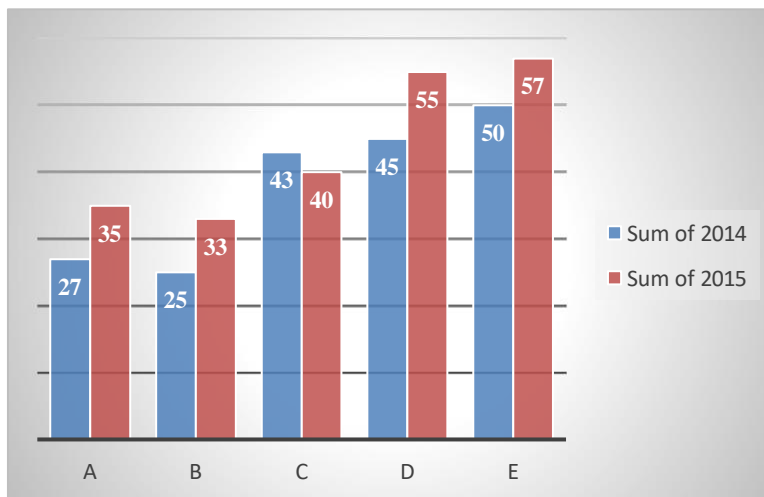
Q51. The area of a field in the shape of a hexagon is $2400\sqrt{3}\text{m}^2$. What will be the cost (in Rs) of fencing it at Rs18.50 per metre?

- (a) 4440
- (b) 5920
- (c) 5550
- (d) 5180

Q52. In a circle with centre O, AD is 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

Q53. The given Bar Graph Presents the number 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%

Q54. A and B can complete a task in 25 days. B alone can complete it in 33 ¹/₃ 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

Q55. Tangents AB and AC are drawn to a circle from a point A, such that $\angle BAC=40^\circ$. Chord CP is drawn parallel to BA. The measure of $\angle CBP$ is:

- (a) 55°
- (b) 45°
- (c) 35°
- (d) 40°

Q56. The marked price of an article is Rs600. After allowing a discount of 25% on the marked price, there was a loss of Rs30. The loss percentage is:

- (a) 7.50%
- (b) 7.25%
- (c) 6.25%
- (d) 6.50%

Q57. What is the difference between the compound interest (in Rs), when interest is compounded 5-monthly, and the simple interest on a sum of Rs12,000 for $1\frac{1}{4}$ years at 12% per annum?

- (a) 90
- (b) 91.50
- (c) 93
- (d) 92.50

Q58. A man travels a certain distance at 12km/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

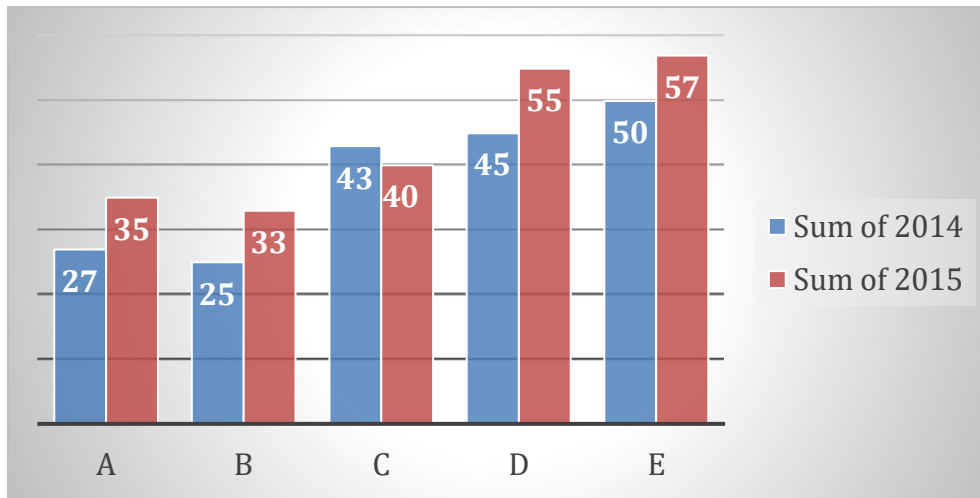
Q59. $\frac{\cot\theta}{(1-\sin\theta)(\sec\theta+\tan\theta)}$ is equal to :

- (a) $\operatorname{cosec}\theta$
- (b) $\sin\theta$
- (c) $\sec\theta$
- (d) 1

Q60. There are three numbers. If the average of any two 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

Q61. The given Bar Graph Presents the number 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

Q62. If $x + y = 7$ and $xy = 10$, then the value of $(1 + \frac{1}{x^3} + \frac{1}{y^3})$ is: $\frac{\quad}{\quad}$

- (a) 0.543
- (b) 0.131
- (c) 0.133
- (d) 0.453

Q63. A man spends 72% of his income. If his income increases by 28% and his expenditure increase by 25% then what is the percentage increase or decrease in his savings (correct to one decimal place)?

- (a) 26.95% decrease
- (b) 38.4% increase
- (c) 35.7% increase
- (d) 26.3% decrease

Q64. The value of $3 \div \frac{3}{4}$ of $\frac{3}{4} \times \frac{4}{3} + \frac{5}{2} \div \frac{2}{5}$ of $\frac{5}{4} - (\frac{2}{3} + \frac{2}{3} \text{ of } \frac{5}{6})$ is:

- (a) $\frac{14}{3}$
- (b) $\frac{41}{9}$
- (c) $\frac{22}{3}$
- (d) $\frac{50}{9}$

Q65. If the nine-digit number $43x1145y2$ 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

Q66. 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 $1: \frac{1}{3} : \frac{1}{4} : \frac{1}{5} : \frac{1}{8}$ by mistake. As a result:

- (a) A received Rs956 more
- (b) B received Rs318 more
- (c) D received Rs1,144 less
- (d) C received Rs132 less

Q67. 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) $11\frac{1}{9}\%$

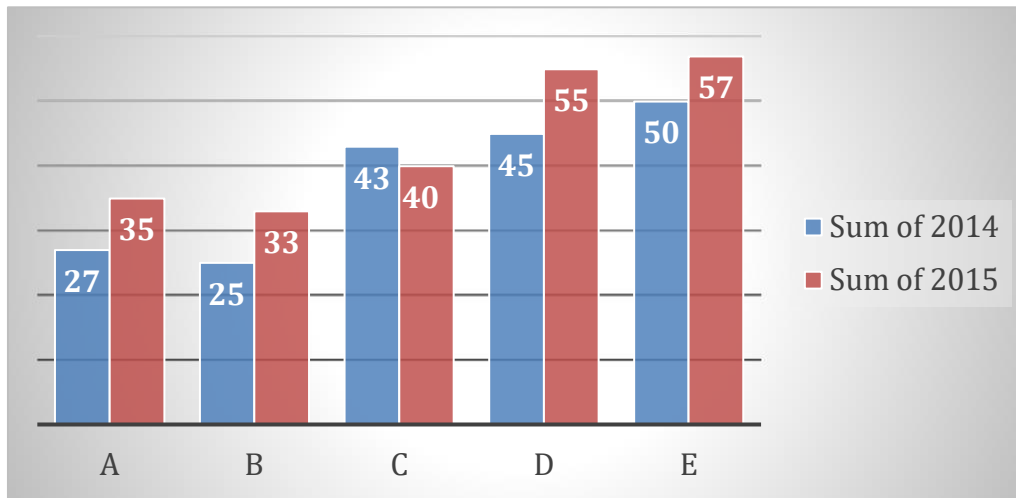
Q68. If $2\cos^2\theta - 5\cos\theta + 2 = 0$, $0^\circ < \theta < 90^\circ$, then the value of $(\operatorname{cosec}\theta + \cot\theta)$ is:

- (a) $\frac{1}{\sqrt{3}}$
- (b) $\sqrt{3}$
- (c) $\frac{1}{3}$
- (d) $2\sqrt{3}$

Q69. If $8x^2 + y^2 - 12x - 4xy + 9 = 0$, then the value of $(14x-5y)$ is:

- (a) 9
- (b) 6
- (c) 5
- (d) 3

Q70.The given Bar Graph Presents the number 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

Q71. The sides AB and AC of ΔABC are produced to points 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°

Q72. If $x + y + z = 19$, $xyz = 216$ and $dxy + yz + zx = 114$, then the value of $\sqrt{x^3 + y^3 + z^3 + xyz}$ is:

- (a) 32
- (b) 30
- (c) 28
- (d) 35

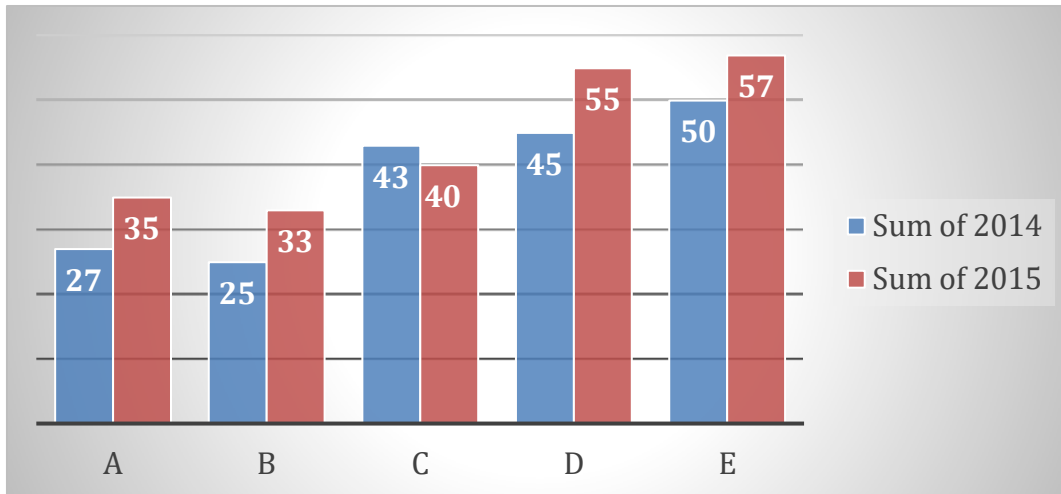
Q73. The value of $\frac{\tan 13^\circ \tan 37^\circ \tan 45^\circ \tan 53^\circ \tan 77^\circ}{2 \operatorname{cosec}^2 60^\circ (\cos^2 60^\circ - 3 \cos 60^\circ + 2)}$ is:

- (a) 2
- (b) 1
- (c) $\frac{3}{2}$
- (d) $\frac{1}{2}$

Q74. 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

Q75. The given Bar Graph Presents the number different types of vehicles (in lakhs) exported by a company during 2014 and 2015.



The average number 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

Q76. 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

Q77. Select the most appropriate synonym of the given word. **EXPOSE**

- (a) hide
- (b) bury
- (c) reveal
- (d) protect

Q78. Select the most appropriate antonym of the given word.

MINISCULE

- (a) dwarf
- (b) small
- (c) gigantic
- (d) meagre

Q79. Select the wrongly spelt word.

- (a) celebrity
- (b) celebrate
- (c) celebration
- (d) celebrant

Q80. 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

Q81. Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 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

Q82. Select the most appropriate synonym of the given word.

ADVERSARY

- (a) helper
- (b) assistant
- (c) rival
- (d) supporter

Q83. Given below are four jumbled sentences. Out of the given options pick the one that gives 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

Q84. 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 elevated roads
- (c) to unclog the traffic in Delhi
- (d) have been propose

Q85. 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 want you to do
- (d) be engaged in an energetic activity

Q86. 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

Q87. Select the wrongly spelt word.

- (a) earn
- (b) eerie
- (c) early
- (d) eagel

Q88. 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

Q89. 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.

Directions (90-94): 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.

During organized 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.

Q90. Select the most appropriate option for blank No.1.

- (a) visit
- (b) travel
- (c) trip
- (d) stay

Q91. Select the most appropriate option for blank No. 2.

- (a) calling
- (b) calls
- (c) call
- (d) called

Q92. Select the most appropriate option for blank No.3.

- (a) whole
- (b) one
- (c) every
- (d) all

Q93. Select the most appropriate option for blank No. 4.

- (a) was
- (b) has been
- (c) have been
- (d) were

Q94. Select the most appropriate option for blank No.5.

- (a) mysterious
- (b) holy
- (c) sacred
- (d) concealed

Q95. 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.

Q96. Select the most appropriate word to fill in the blank.

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

- (a) injustice
- (b) indent
- (c) indication
- (d) incentive

Q97. 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

Q98. Select the most appropriate word to fill in the blank.

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

- (a) aggravates
- (b) adrift
- (c) abounds
- (d) afloat

Q99. Given below are four jumbled sentences. Out of the given options pick the one that gives 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

Q100. Select the most appropriate antonym of the given word.

PERPETRATE

- (a) execute
- (b) prevent
- (c) perform
- (d) commit