

RRB NTPC Previous Year Question Paper Mock

Q1. Find the factors of $(x^2 - x - 132)$

- (a) $(x - 11)(x - 12)$
- (b) $(x + 12)(x - 11)$
- (c) $(x + 11)(x + 12)$
- (d) $(x - 12)(x + 11)$

Q2. A college council is auditioning students for a cultural festival. They must satisfy the following criteria

—

1. Student must know at least one dance form.
2. Student must know to play at least one musical instrument.
3. Student must have good acting skills.

Which one of the following will the council definitely select?

- (a) Z is a Bharat Natyam dancer, a violinist but does not have any acting skills.
- (b) P plays football. guitar. has acted in road shows and is a classical dancer.
- (c) J is a contemporary dancer, a great actor and is planning to learn flute.
- (d) A plays sitar. is a hip-hop dancer and does not have any acting skills.

Q3. If RESEARCH is \$#!#%\$&@ then SCARE is

- (a) !&%\$#
- (b) !@%\$#
- (c) !\$%#&
- (d) !@%#\$

Direction (4-6) : The likes and professions of five friends Rosy, Mary, Lily, Andy and Daisy are given. Consider the following information and answer the questions based on it.

1. Rosy likes yellow and is a student.
2. The Librarian likes Green.
3. Mary and Andy likes Purple and Blue respectively and neither of them is a Teacher.
4. Lily likes Brown and the Inspector likes Blue.
5. One of the five is a Principal.

Q4. Which colour does the Teacher like?

- (a) Blue
- (b) Brown
- (c) Purple
- (d) Green

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Q5. Who is the Principal?

- (a) Daisy
- (b) Andy
- (c) Mary
- (d) Lily

Q6. Which among the following is the wrong pair?

- (a) Andy — Inspector
- (b) Purple — Principal
- (c) Daisy — Green
- (d) Rosy — Teacher

Q7. $1.123+11.23+112.3 = ?$

- (a) 123.453
- (b) 132.343
- (c) 124.653
- (d) 134.643

Q8. The standard deviation of the set $\{10, 10, 10, 10, 10\}$ is

- (a) 0
- (b) 1
- (c) 5
- (d) 10

Q9. Karan purchased one dozen pens for Rs. 120/. and sold a pack of 3 pens for Rs. 35/. each. What is his gain?

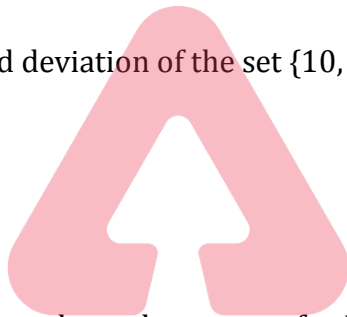
- (a) 16.67%
- (b) 20%
- (c) 15%
- (d) 33.33%

Q10. If Deplete : Exhaust then Replenish : _____

- (a) Exhale
- (b) Inhale
- (c) Reuse
- (d) Restore

Q11. What is the noise level of normal conversation?

- (a) About 60 dB
- (b) About 70 dB
- (c) About 80 dB
- (d) About 90 dB



Q12. Statements followed by some conclusions are given below.

Statements:

1. X is 7 meters tall, Y is half as high and Z is 3 times the height of X.
2. P is taller than Z but shorter than A and B.

Conclusions:

- I. B is the tallest of all.
- II. The average height of X,Y and Z is less than 10 meters.

Find which of the given conclusions logically follows from the given statements.

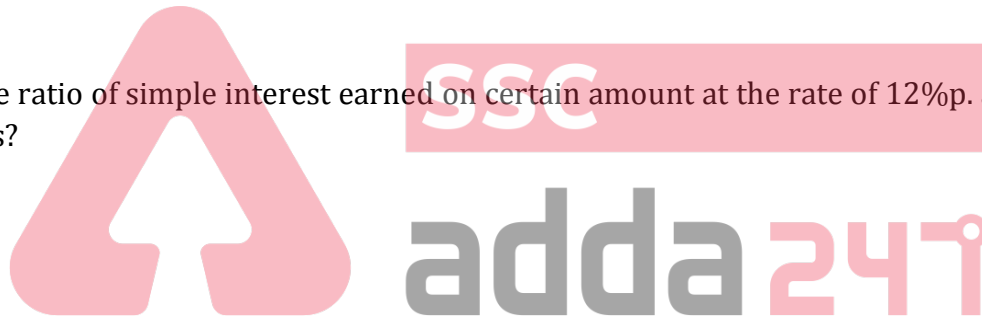
- (a) Only conclusion I follows.
- (b) Only conclusion II follows.
- (c) Both I and II follow.
- (d) Neither I nor II follows.

Q13. G is twice as fast as S in doing work. If G can do a work in 30 days less than S. how many days will they take to complete the work together?

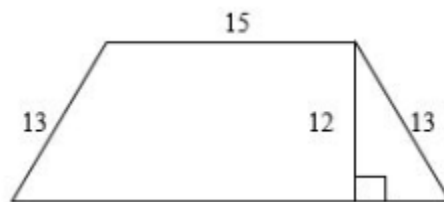
- (a) 25
- (b) 20
- (c) 22
- (d) 15

Q14. What is the ratio of simple interest earned on certain amount at the rate of 12%p. a. for 9 years and that for 12 years?

- (a) 1:2
- (b) 2:3
- (c) 3:4
- (d) 4:5



Q15.



What is the area of this trapezoidal garden? (All measurements are in cm)

- (a) 60 sq. cm
- (b) 180 sq. cm
- (c) 210 sq. cm
- (d) 240 sq. cm

Q16. Select the alternative that shows a similar relationship as the given pair —

Mandatory: Compulsory

- (a) Philosophy : Idealism
- (b) Thesis : Theory
- (c) Generosity : Narrow-mindedness
- (d) Hypothesis : Supposition

Q17. For how many months is a cheque valid from the date of issue?

- (a) 1 month
- (b) 2 months
- (c) 3 months
- (d) 6 months

Q18. Ganga Action Plan' initiated by the union Government aims at_____

- (a) Streamlining the flow of Ganga river.
- (b) Reduction of pollution on Ganga river.
- (c) Efficient use of Ganga water for irrigation.
- (d) Using Ganga river for generating hydel energy.

Q19. Find the range and mode of the data 17, 18, 28, 19, 16, 18, 17, 29, 18

- (a) 12 and 18
- (b) 13 and 18
- (c) 12 and 17
- (d) 11 and 17

Q20. The percentage of nitrogen in the air is about

- (a) 74%
- (b) 76%
- (c) 78%
- (d) 80%



Q21. K purchased a table for Rs. 11.000 and sold it for Rs. 13.500. What is his gain in percentage?

- (a) 19.8%
- (b) 20.6%
- (c) 22.7%
- (d) 22%

Q22. Shimla Agreement 1972 between India & Pakistan was signed in

- (a) Barn's Court
- (b) Ellerslie Building
- (c) Viceregal Lodge
- (d) Gorton Castle

Q23. The value of $(\sin\theta + \cos\theta)^2 =$

- (a) $1 + \sin^2\theta$
- (b) $\sin^2\theta + \cos^2\theta$
- (c) $1+2\cos\theta\sin\theta$
- (d) $\cos^2\theta + 1$

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Q24. The instrument used to regulate temperature to a particular degree is called

- (a) Thermostat
- (b) Thermometer
- (c) Pyrometer
- (d) Thermocouple

Q25. Pressure is measured in terms of

- (a) Mass & Density
- (b) Work done
- (c) Force and Area
- (d) Force and Distance

Q26. How many times does the number 3 occur in unit's place for numbers ranging from 1 to 100?

- (a) 20
- (b) 11
- (c) 10
- (d) 19

Q27. Between small and large human intestine which one longer?

- (a) Small intestine
- (b) Large intestine
- (c) Both are equal in length
- (d) Depends on male or female

Q28. To conduct detailed study into disease causing organism in livestock, Biosafety Laboratory has been setup in India at

- (a) Ludhiana
- (b) Bengaluru
- (c) Anand
- (d) Allahabad

Q29. A pole is taller than a Giraffe which is taller than a tree. A signal is shorter than a pole but taller than a building which is taller than a Giraffe. Who is the shortest?

- (a) Signal
- (b) Giraffe
- (c) Tree
- (d) Building

Q30. Find the missing (?) in the series

NA, PC, RE, TG, ?, XK, ZM

- (a) IV
- (b) VI
- (c) VII
- (d) VJ

Q31. Rearrange the jumbled letters to make a meaningful word and then select the one which is different.

- (a) DNHA
- (b) EDAH
- (c) THEA
- (d) IRHA

Q32. Sunil has a son Kama and a sister Sangeeta who is the mother of Jagdish and Vijay. Hanish is Jagdish's maternal uncle.

How is Hanish related to Kama?

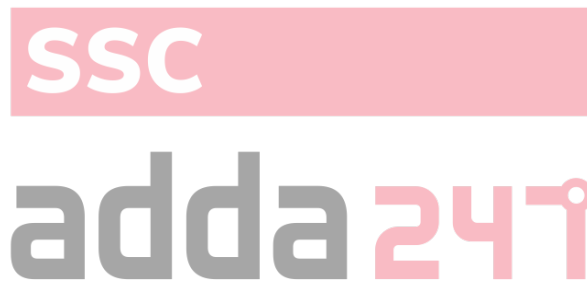
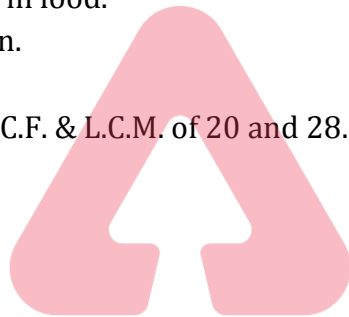
- (a) Brother
- (b) Father
- (c) Nephew
- (d) Paternal Uncle

Q33. International Maritime Organisation is concerned with

- (a) Air pollution.
- (b) Sea pollution.
- (c) Adulteration in food.
- (d) Deforestation.

Q34. Find the G.C.F. & L.C.M. of 20 and 28.

- (a) 20 & 280
- (b) 5 & 280
- (c) 10 & 140
- (d) 4 & 140



Q35. Astrosat is India's first

- (a) Reconnaissance satellite
- (b) Remote sensing satellite
- (c) Space observatory
- (d) Communication satellite

Q36. Ali travels a distance of 300 m in 2 minutes and 30 second. What is his speed in kmph.?

- (a) 6.9
- (b) 7.1
- (c) 7.2
- (d) 7.3

Q37. Four pairs of words are given. Find the odd one out.

- (a) Chalk : Slate
- (b) Pencil : Notebook
- (c) Pen : Ink
- (d) Sketch Pen : Drawing Book

Q38. The Gandhi-Irwin pact was signed in the year

- (a) 1930
- (b) 1931
- (c) 1932
- (d) 1933

Q39. Twice the difference between two numbers is equal to their sum. If one number is 15. find the other number.

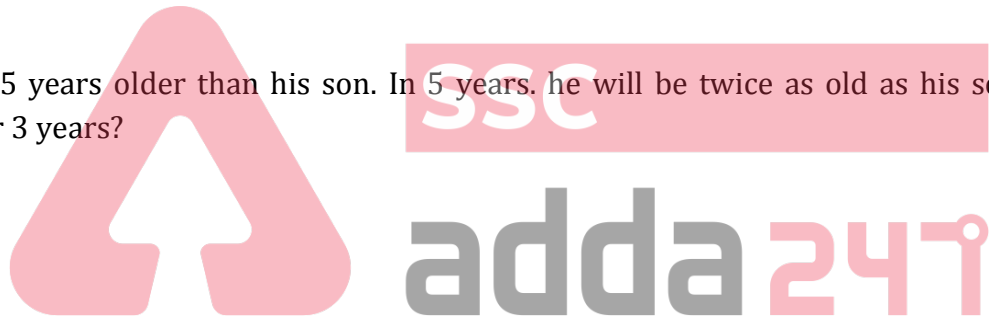
- (a) 15
- (b) 10
- (c) 5
- (d) 20

Q40. The sum of three consecutive numbers is 126. Find the highest number.

- (a) 41
- (b) 42
- (c) 43
- (d) 44

Q41. Surya is 25 years older than his son. In 5 years, he will be twice as old as his son. What will be Surya's age after 3 years?

- (a) 20
- (b) 23
- (c) 45
- (d) 48



Q42. The name of the first bank established in India was

- (a) Bank of Hindustan
- (b) Reserve Bank of India
- (c) Imperial Bank
- (d) State Bank of India

Q43. If $M = 14$, $TANK = 46$, then $STARDOM =$ _____

- (a) 79
- (b) 89
- (c) 90
- (d) 109

Q44. What is the 4th proportional of 3, 8, 12, ?

- (a) 36
- (b) 26
- (c) 32
- (d) 16

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Q45. Which of the following is a Spaced-Based Augmentation System?

- (a) INSAT
- (b) GAGAN
- (c) GSAT
- (d) SARAL

Q46. An assertion (A) and a reason (R) are given below.

Assertion (A): Forest cover in the country has gradually decreased.

Reason (R): Encroachment by humans is one of the concerns for the forest department.

Choose the correct option.

- (a) Both A and R are true and R is the correct explanation of A
- (b) Both A and R are true, but R is not the correct explanation of A
- (c) A is true, but R is false
- (d) A is false, but R is true

Q47. If the interior angle of a polygon is 108° , then it is a

- (a) Octagon
- (b) Hexagon
- (c) Pentagon
- (d) Tetragon

Q48. Rupee sign '₹' is a

- (a) Devanagari letter
- (b) Roman letter
- (c) Sanskrit Script
- (d) A combination of Roman & Devanagari letters

Q49. Which of the following does not belong to group?

- (a) Lakshadweep
- (b) Puducherry
- (c) Nicobar
- (d) Andaman

Q50. The headquarters of ISRO is located at

- (a) Bengaluru
- (b) New Delhi
- (c) Pune
- (d) Mumbai

Q51. Which of the following will appear third, if they are arranged according to a dictionary?

- (a) Autumn
- (b) Austere
- (c) Assert
- (d) Auspicious

Q52. If $\sin \theta = 1/\sqrt{2}$ then $(\tan \theta + \cos \theta) =$

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

Q53. The mean and median of 7, 5, 5, 2, 7, 6, 5, 3, 7, 6

- (a) 5.3 and 5
- (b) 5 and 6
- (c) 5 and 5.5
- (d) 5.3 and 5.5

Q54. Find the similarity in the following:

Olive Oil, Coconut Oil, Cod liver Oil, Sunflower Oil

- (a) All of them are vegetable oils.
- (b) All of them are rich in Vitamin A.
- (c) All of them are rich in Vitamin D.
- (d) All of them are oils.

Q55. Human nails are made of

- (a) Pigment
- (b) Elastin
- (c) Albumin
- (d) Keratin



Q56. Eastern boundary of Kashmir is

- (a) LOC
- (b) Jammu
- (c) POK
- (d) Ladakh region

Q57. The medicine paracetamol is

- (a) An analgesic
- (b) An antipyretic
- (c) An analgesic and antipyretic
- (d) A nonsteroidal anti-inflammatory drug

Q58. Sachin Tendulkar made his test debut in 1989 at

- (a) Karachi, Pakistan
- (b) Mumbai, India
- (c) Kolkata, India
- (d) Melbourne, Australia

Q59. Which key on a windows keyboard sets to full screen mode in most browsers?

- (a) F1
- (b) F10
- (c) F11
- (d) F 12

Q60. The test for diagnosing HIV is

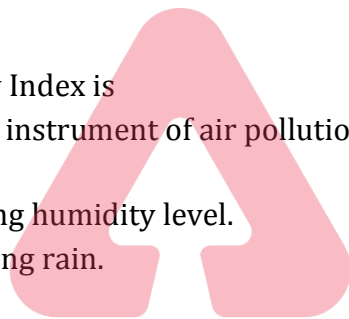
- (a) Pap Smear
- (b) ELISA
- (c) DNA
- (d) Mantoux

Q61. B has 32 pens, 24 pencils and 16 erasers. How many sets of these three items can B make without any left over?

- (a) 6
- (b) 7
- (c) 8
- (d) 9

Q62. Air Quality Index is

- (a) A measuring instrument of air pollution.
- (b) A number.
- (c) For measuring humidity level.
- (d) For forecasting rain.



Q63. Who served as the first Deputy Prime Minister of independent India?

- (a) K. Kamaraj
- (b) Morarji Desai
- (c) Sardar Vallabhbhai Patel
- (d) C. Rajagopalachari

Q64. Gopal covers 100 km. He travels at a speed of 60 kmph for the first 40 km and the rest of the distance at 40 kmph. What is his average speed in kmph?

- (a) 44.20
- (b) 45.20
- (c) 46.15
- (d) 47.20

Q65. Secularism means

- (a) Not practicing any religion.
- (b) Practicing multiple religions.
- (c) Freedom to join any satsang.
- (d) Freedom of religion and worship.

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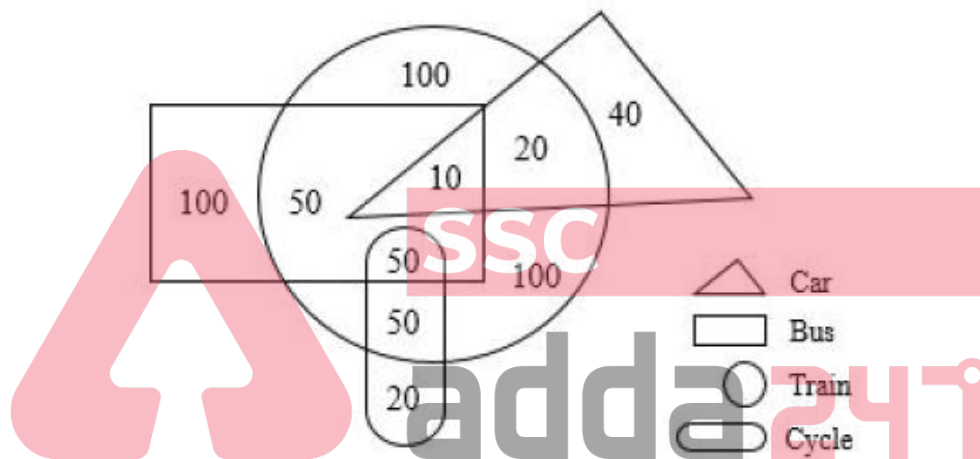
Q66. A farmer purchased a piece of land for Rs. 18 lakh and spent Rs. 3 lakh for registration denoting etc. he sold it for Rs. 24.57 lakh. Find his profit in percentage?

- (a) 15%
- (b) 14.15%
- (c) 16.5%
- (d) 17%

Q67. National Science Day falls on

- (a) 26th February
- (b) 27th February
- (c) 28th February
- (d) 29th February

Direction (68-70) Comprehension: Study the following diagram and answer questions based on it.



Q68. The ratio of total number of train travelers to the people who do not travel by train is

- (a) 27/16
- (b) 28/16
- (c) 37/16
- (d) 38/16

Q69. How many people who travel by train also travel by car or bus but not cycle?

- (a) 50
- (b) 70
- (c) 80
- (d) 100

Q70. Which two modes of transport used by people are mutually exclusive?

- (a) Car — Bus
- (b) Car — Cycle
- (c) Bus — Cycle
- (d) Cannot be determined

Q71. Find the missing (?) in the series

14, 28, 42, 56, ?, 84, 98

- (a) 68
- (b) 70
- (c) 72
- (d) 74

Q72. After 9/11 tragedy, the rebuilt World Trade Center complex in New York is called

- (a) New World Trade Center
- (b) Empire State Building
- (c) One World Trade Center
- (d) World Trade Complex

Q73. The famous Nek Chand's Rock Garden is located in

- (a) Srinagar
- (b) Jammu
- (c) Chandigarh
- (d) Shimla

Q74. Expand: $(w-9)^2$

- (a) $w^2 - 9w + 81$
- (b) $w^2 - 9w + 18$
- (c) $w^2 - 18w + 81$
- (d) $w^2 - 18w - 81$



Q75. On a certain principal, simple interest amounts to Rs. 1,000 in 1 year at the rate of 10% p.a. What will be the effective rate of interest if the same is compounded on half yearly basis?

- (a) 10.10
- (b) 10.15
- (c) 10.20
- (d) 10.25

Q76. In a certain code language if 41095 is READY and 840327 is FRAILS then 83145 419 is

- (a) FEARY RED
- (b) FIERY RED
- (c) FAIRY RED
- (d) FIREY RED

Q77. Which one of the following does not belong to the group?

- (a) Monitor
- (b) Keyboard
- (c) Webcam
- (d) Mouse

Q78. If RATIONAL is CLETZYLW then EXPERIENCE is

- (a) OIZOCTOYMO
- (b) QJBDUQZOQ
- (c) OHZBSOXMO
- (d) PIAPCTPYNP

Q79. 1\$ = Rs. 67.89. Money changer adds a margin of Rs. 1.11. What will be the cost of \$150?

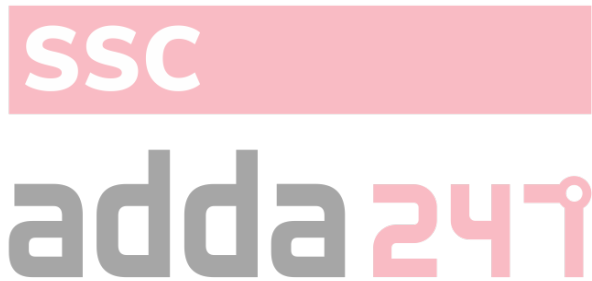
- (a) Rs. 10,183
- (b) Rs. 10,350
- (c) Rs. 10,330
- (d) Rs. 10,450

Q80. If the area of a circle is 9π sq. cm then its circumference is

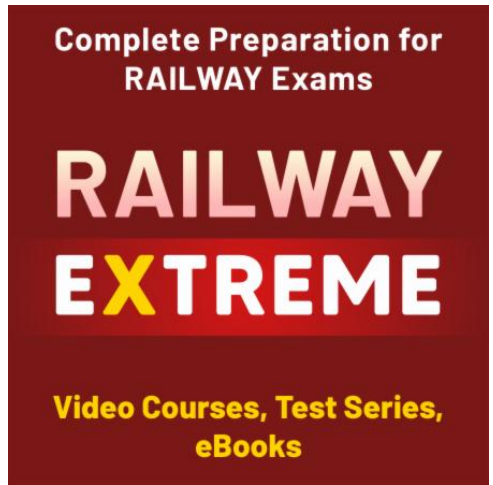
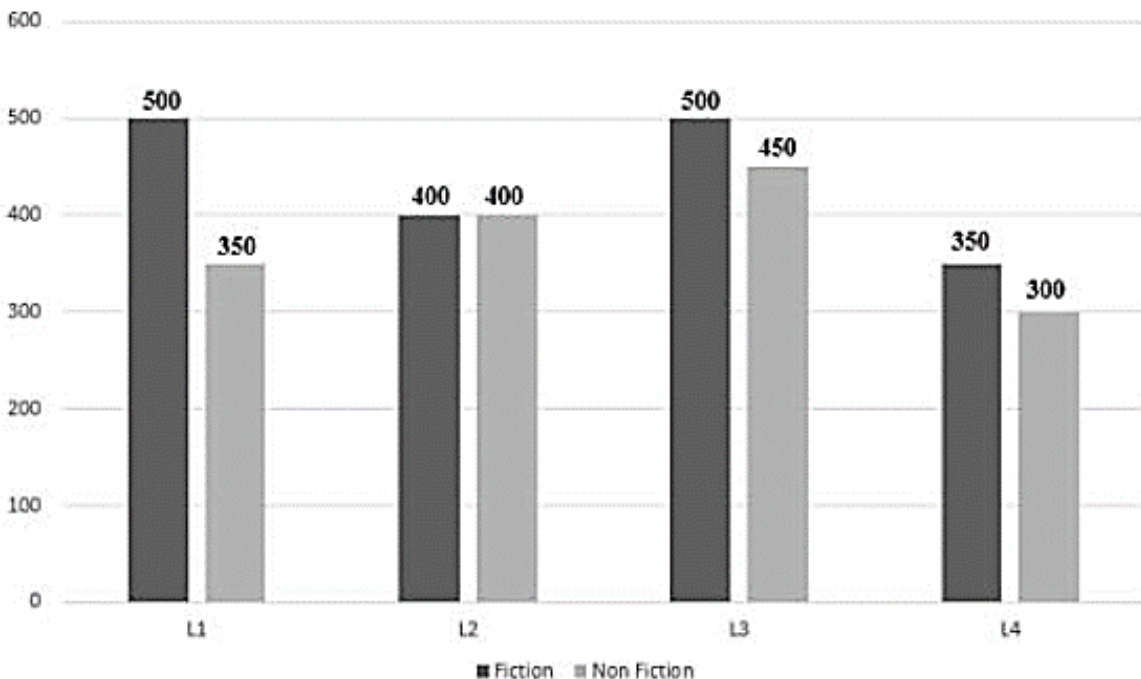
- (a) 9 cm
- (b) 6π cm
- (c) 3π cm
- (d) 6 cm

Q81. Maharatna' refers to a group of

- (a) Emerging small and medium enterprises.
- (b) Central public sector enterprises.
- (c) Leading private sector enterprises.
- (d) Leading multi-national companies.



Direction (82-84) Comprehension: The bar chart represents number of fiction and non-fiction books in four libraries L1, L2, L3 and L4. Consider the bar chart and answer questions based on it.



Q82. What is the difference of total number of Fiction books in libraries L3 and L4 to the Non Fiction books in L3 and L4?

- (a) 100
- (b) 140
- (c) 50
- (d) 150

Q83. The ratio of total books of libraries L I and L3 to L2 and L4 is

- (a) 29/36
- (b) 33/32
- (c) 36/29
- (d) 32/33

Q84. The ratio of total number of Non-Fiction to Fiction books in all libraries is

- (a) 7/6
- (b) 6/7
- (c) 15/17
- (d) 17/15

Q85. Which of the following statements is true with respect to ASCII?

- (a) A programming language
- (b) ASCII chart is not for decimals
- (c) American security code for information interchange
- (d) A character encoding scheme

Q86. The first Olympics games was held in

- (a) U. K.
- (b) U. S. A.
- (c) Greece
- (d) Italy

Q87. A person carries Rs. 165/- in the form of currency notes of denominations Rs.5 Rs. 10 & Rs. 20 in the ratio of 3:2:1. What is the value of currency notes of Rs. 20 denomination?

- (a) RS. 60
- (b) Rs. 100
- (c) Rs. 40
- (d) Rs. 80

Q88. Which of the following fractions is the highest of all?

- (a) 5/4
- (b) 4/3
- (c) 3/2
- (d) 6/5

Q89. Name the Indian who became the CEO of Google in 2015.

- (a) Satya Nadella
- (b) Cyrus Mistry
- (c) Sundar Pichai
- (d) Vishal Sikka

Q90. The periodicity of the Commonwealth games is

- (a) No fixed interval
- (b) 4 years
- (c) 5 years
- (d) 6 years

Q91. Cricket World Cup 2023 is scheduled to be hosted by

- (a) India
- (b) Pakistan
- (c) Sri Lanka
- (d) West Indies

Q92. Which country launched its first commercial satellite on 24th November 2015 as a part of its National Space Program?

- (a) Russia
- (b) R. India
- (c) Japan
- (d) China



Q93. Which of the following is not a Union Territory?

- (a) Puducherry
- (b) Chandigarh
- (c) Lakshadweep
- (d) Sikkim

Q94. If '+' and '÷' ; '×' and '-' are interchanged in the equation: $17 \div 7 - 27 + 7 \times 37$, then its value will be

- (a) 7
- (b) 17
- (c) 27
- (d) 37

Q95. If the mathematical operator '+' means division, '-' means multiplication, '×' means subtraction and '÷' means addition, then the value of

$$1 \times 7 + 21 \times 2 \div 2 + 3 - 4 \text{ is}$$

- (a) 8/3
- (b) 4/3
- (c) -4/3
- (d) -8/3

Q96. 10 people can do a work in 30 days. In how many days, can 15 people complete double the work?

- (a) 20
- (b) 25
- (c) 40
- (d) 45

Q97. Look carefully at the sequence of symbols to find the pattern.



Which of the following will replace the (?) in the sequence?

(a)



(b)



(c)



(d)



Q98. Statements followed by some conclusions are given below.

Statements:

1. Most people have orange scooters while some have red ones.
2. People like bright coloured scooters.

Conclusions:

- I. People cannot afford bright coloured cars.
- II. Most people prefer orange over other bright colours.

Find which of the given conclusions logically follows from the given statements.

- (a) Only conclusion I follows.
- (b) Only conclusion II follows.
- (c) Both I and II follow.
- (d) Neither I nor II follows.

Q99. Which of the following is not a bleaching agent?

- (a) Sodium hypochlorite
- (b) Calcium hypochlorite
- (c) Hydrogen peroxide
- (d) Hydrogen sulphide

Q100. Which movement was called off following the violence at Chauri chaura' incident?

- (a) Khilafat Movement
- (b) Quit India Movement
- (c) Non co-operation Movement
- (d) Home Rule Movement

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