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RRRB NTPC Exam Papers



RRB NTPC

Tier-1 EXAM

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RRB NTPC Exam Solved Paper-3 (03-Mar-2016)



Q1. S and T can finish a work in 50 days. They worked together for 20 days and then left. How much of the work is left?

- a. $\frac{3}{5}$
- b. $\frac{1}{3}$
- c. $\frac{1}{2}$
- d. $\frac{2}{5}$

Q2. Money can be transferred using mobile phones through the service called

- a. NEFT
- b. ECS
- c. IMPS
- d. RTGS

Q3. Find the factors of $(x^2 + x - 42)$

- a. $(x+14)(x-3)$
- b. $(x+6)(x-7)$
- c. $(x-6)(x+7)$
- d. $(x-14)(x+3)$

Q4. The mean of the data 1, 2, 10, 18, 3, 17, 19 is

- a. 7
- b. 10
- c. 17
- d. 70

Q5. The smell we get when LPG cylinder leaks is due to the pressure of

- a. Nitrogen peroxide
- b. Carbon monoxide



- c. Sulphur compound
- d. Carbon dioxide

Q6. Blotting paper absorb ink due to

- a. Coarse nature of paper
- b. Osmosis
- c. Capillary action
- d. Silphoring

Q7. Recipient of C.K. Nayudu Lifetime Achievement Award for 2014-15 in cricket was

- a. Syed Kirmari
- b. E.A.S. Prasanna
- c. G.R. Vishwanath
- d. Bishan singh Bedi

Q8. Least distance of distinct vision for normal eye is

- a. 15cm
- b. 20 cm
- c. 25 cm
- d. 30 cm

Q9. Four pairs of words are given. Find the odd one out

- a. 5th June : World Environment Day
- b. 22nd April : Earth Day
- c. 22nd March : World Water Day

- d. 22nd May : World sparrow Day

Q10. IP address refers to

- a. A numerical network label.
- b. A dynamic link between two computers
- c. A group of networks
- d. Digital 'Know your client'.

Q11. The first Indian communication satellite was

- a. Aryabhata
- b. Bhaskara – I
- c. Apple
- d. Chandrayaan- I

Q12. The mode and median of data 8, 6, 8, 7, 8, 6, 8, 7, 6 is

- a. 7 and 8
- b. 6 and 7
- c. 8 and 7
- d. 6 and 8

Q13. The winner of the open competition for designing the Rupee sign 'was

- a. Uday Kumar
- b. Vijay Kumar
- c. Prem Kumar
- d. Pranav Kumar



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Q14. What is the length of diagonal, if area of a rectangle is 168cm^2 and breadth is 7cm?

- a. 24cm
- b. 15cm
- c. 17cm
- d. 25cm

Q15. India's livestock disease monitoring and forecasting system is named as

- a. Cattle Safety Laboratory
- b. Animal Safety Laboratory
- c. Biosafety Laboratory
- d. Cattle Monitoring Laboratory

Q16. The cost of one dozen banana is Rs. 25. The cost of one dozen orange is Rs. 75. What will the cost of one and a quarter dozen bananas and three-fourth dozen orange .

- a .Rs. 112.50
- b.Rs. 131.25
- c.Rs. 102.50
- d.Rs. 87.50

Q17. A shop keeper purchased 10 boxes of pencils containing 10 pencils each at Rs. 100 per box and sold each pencil at a profit 12% What is the total sale price?

- a. Rs. 1,100
- b. Rs. 1,120

- c. Rs. 1,200
- d. Rs. 1,210

Q18. The 'Quit India' movement was launched by Mahatma Gandhi in the year

- a. 1941
- b. 1942
- c. 1945
- d. 1946

Q19. Which of the following is appropriate to describe a shooting star?

- a. Star
- b. Planet
- c. Fragments & debris
- d. Asteroid

Q20. The O-T-C medicine Crocin is an

- a. Analgeic
- b. Antipyretic
- c. Analgesic and antipyretic
- d. Antiseptic

Q21. Cricket World Cup 2019 is scheduled to be hosted by

- a. England
- b. South Africa
- c. Wales



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d. England and Wales

Q22. If a means '+', @ means 'X', & means '+' and V means '-', then value of $7@2V135 \& 5@3 \& 9A$
1

- a. 14
- b. 9
- c. 6
- d. 1

Q23. Select the alternative that shows a similar relationship as the given pair -

Minimum : Maximum

- a. Worst: Best
- b. Happy : Gay
- c. First : Second
- d. Sad: Angry

Q24. If the sum of digits is 9 and the difference between the digit in the ten's place and unit's place is 1, then the two-digit number is?

- a. 45
- b. 63
- c. 54
- d. 72

Q25. Pressure is measured in terms of

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

Q26. Which of the following is the least of all?

- a. 0.5
- b. $1/0.5$
- c. 0.5×0.5
- d. 0.5×2

Q27. Which instrument is used for viewing the sun?

- a. Stroboscope
- b. Telescope
- c. Helioscope
- d. Sun meter

Q28. Find the least number to be added to 1739 so that it is exactly divisible by 11.

- a. 11
- b. 2
- c. 1
- d. 10

Comprehension:

P, W, Q, X, R, Y, Z and S sit randomly in a circle facing each other. Consider the following information and questions based on it.

1. Y sits exactly between Q and R.
2. P does not sit next to either X or Z.
3. Z is to the immediate right of Q.
4. S sits third from the left of X and the right of Y

Q29. Who sits to the left of S?

- a. Z
- b. X
- c. P
- d. Q

Comprehension:

P, W, Q, X, R, Y, Z and S sit randomly in a circle facing each other. Consider the following information and questions based on it.

1. Y sits exactly between Q and R.
2. P does not sit next to either X or Z.
3. Z is to the immediate right of Q.



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4. S sits third from the left of X and the right of Y

Sub Question No: 30

Q30. If they all were facing outside the circle, W would be to the left of Q

- a. X
- b. S
- c. P
- d. Cannot be determined

Comprehension:

P, W, Q, X, R, Y, Z and S sit randomly in a circle facing each other. Consider the following information and questions based on it.

- 1. Y sits exactly between Q and R.
- 2. P does not sit next to either X or Z.
- 3. Z is to the immediate right of Q.
- 4. S sits third from the left of X and the right of Y

Q31. X sits between-

- a. R and Q
- b. W and R
- c. Q and Y
- d. S and W

Q32. Read the following paragraph carefully and answer the question based on the information provided in it.

Population explosion needs controlled measures to manage earth's resources. We must find ways to utilize the natural resources in an efficient manner

to satisfy the ever-growing needs of the people. Solar energy may be used to replace the increasing demand for fuels like coal, wood and so on. Rainwater harvesting is a must to meet the water needs of the urban population. If we deplete the earth of its resources at such a fast pace, sooner or later we will have to search for another planet that can sustain life like earth.

Which of the following is true according to the paragraph?

- a. There is another planet in the solar system like earth.
- b. The demands of the population are unrealistic and should not be met.
- c. Rainwater harvesting replaces the demand for coal and wood.
- d. Measures have to be taken to wisely use the available natural resources.

Q33. The members of the Rajya Sabha are elected by the

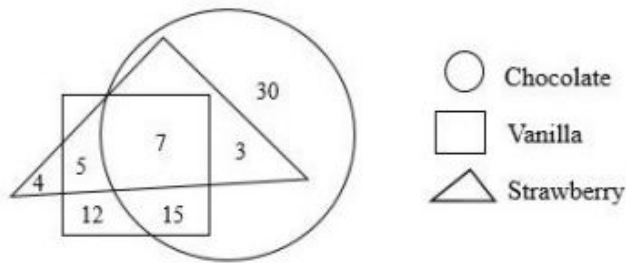
- a. Members of legislative assemblies of states
- b. Members of the Lok Sabha
- c. People
- d. Members of the legislative council

Comprehension:

Study the following diagram and answer questions based on it.

The diagram represents the favourite ice-cream flavours of Kids in a society.

The banner features a red and yellow train engine on the left. The text "RRB EXAM - ALP, NTPC, GROUP-D, JE" is in large green letters, with "STUDY MATERIALS" in red below it. On the right, there is a red circular badge with "50% OFF" and a blue button with "CLICK HERE".



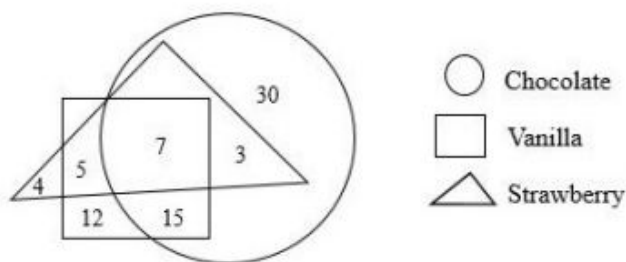
Q34. How many kids like both Chocolate and Vanilla but not Strawberry?

- a. 5
- b. 7
- c. 12
- d. 15

Comprehension:

Study the following diagram and answer questions based on it.

The diagram represents the favourite ice-cream flavours of Kids in a society?



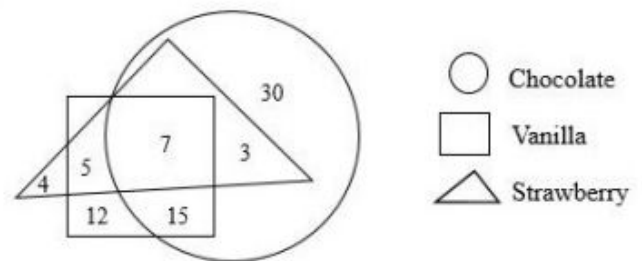
Q35. How many Kids like Strawberry but not Vanilla?

- a. 4
- b. 5
- c. 7
- d. 3

Comprehension:

Study the following diagram and answer questions based on it.

The diagram represents the favourite ice-cream flavours of Kids in a society?



Q36. The ratio of Kids who like Vanilla to those who like Chocolate is 6

- a. 12/30
- b. 39/45
- c. 27/45
- d. 39/45

Q37. Which of the following is in ascending order?

- a. $\frac{2}{3}$, $\frac{3}{4}$, $\frac{4}{5}$, $\frac{1}{2}$
- b. $\frac{3}{4}$, $\frac{4}{5}$, $\frac{1}{2}$, $\frac{2}{3}$
- c. $\frac{1}{2}$, $\frac{2}{3}$, $\frac{3}{4}$, $\frac{4}{5}$



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d. $4/5, 1/2, 2/3, 3/4$

Q38. Oncology is associated with treatment of

- a. Osteoporosis
- b. Diabetes
- c. Cancer
- d. Renal failure

Q39. $1.1+12.12+123.123=?$

- a. 134.343
- b. 133.433
- c. 132.123
- d. 136.343

Q40. The origin of the tantric Yogini Cult is believed to be from

- a. Uttar Pradesh
- b. Bihar
- c. Odisha
- d. Rajasthan

Q41. Looking at a portrait, Advaita said, "Anirudh is the father of my grandmother's daughter's niece. My grandfather had only two kids". How is Anirudh related to Advaita?

- a. Brother – Sister
- b. Husband – Wife
- c. Maternal Uncle - Niece
- d. Father - Daughter

Q42. In a certain code, if GREAT is code as JOEJK then ZEBRA is coded as

- a. BCBRA
- b. BCBAR
- c. CBBRA
- d. CBBAR

Q43. Who advertised the introduction of western education and English language in India?

- a. Bal Gangadhar Tilak
- b. Raja Ram Mohan Ray
- c. Dadabhai Naoroji
- d. Gopal Krishna Gokhle

Q44. If the value of θ is 30° , then value of $\tan^2 \theta + \cot^2 \theta$

- a. $1/3$
- b. $4/3$
- c. $9/3$
- d. $10/3$

Q45. If PRINTER is \$#@*!&# , then INTERPRETER is

- a. @*!&#\$&#!&#
- b. @*!&!#\$&#!&#
- c. @*!&#\$&#!&#
- d. @*!&!#\$&#!&#

Q46. Shimla Agreement 1972 was signed by

- a. Foreign Ministers of India & Pakistan
- b. Indira Gandhi & Z. A. Bhutto
- c. Indira Gandhi & Benazir Bhutto
- d. A. B. Vajpayee & Pervez Musharraf

Q47. A polygon has 9 sides. What is its interior angle?

- a. 140°
- b. 100°
- c. 120°
- d. 40°



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Q48. $125 - 73 + 48 - 137 + 99 = ?$

- a. 237
- b. 62
- c. -37
- d. 52

Q49. Rearrange the jumbled letters to make a meaningful word and then select the one which is different.

- a. DRE
- b. LUBE
- c. GROANE
- d. KNIP

Q50. An assertion (A) and a reason (R) are given below.

Assertion (A): Agricultural activities are less on mountainous regions.

Reason (R): Mountains have less fertile terrain and difficult weather conditions.

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

Q51. Statements followed by some conclusions are given below.

Statements:

- 1. Some football players are cricketers.
- 2. All hockey players love football though some are cricketers.

Conclusions:

- i. Some hockey players who are cricketers play football too.
- ii. There is at the most one cricketer who plays football and hockey.

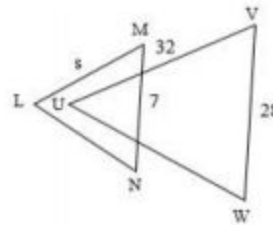
Find which of the given conclusions logically follows from the given statements.

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

Q52. Rupee 5 and 10 coins are now made of

- a. Ferritic stainless steel
- b. Silver and steel
- c. Cupro nickel alloy
- d. Copper and brass

Q53.



IF LMN and UVW are similar triangles, the value of side s is

- a. 4
- b. 6
- c. 8
- d. 9

Q54. Statements followed by some conclusions are given below.

Statements:

- A. Some electricians are plumbers.
- B. All plumbers are mechanics.



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Conclusions:

- I. Some mechanics are electricians or plumbers.
- II. Not all electricians are mechanics.

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.

Q55. A man introduces a lady as the daughter of the daughter of the father of his uncle. His wife has only one sibling. The lady is the man's

- a) Mother
- b) Daughter
- c) Sister
- d) Daughter

Q56. Find the Greatest Common Factor of 280 and 144.

- a. 2
- b. 8
- c. 6
- d. 4

Q57. 10 dozen apples, 15 dozen mangoes & 20 dozen oranges are kept for sale. 112, 13rd & 4th of each item respectively have been added. What is the total number of fruits kept for sale now?

- a. 720
- b. 600
- c. 580
- d. 820

Q58. Car B is running twice as fast as car A. If car A covers a distance of 90 km in $1\frac{1}{2}$ hrs, what is the speed of car B?

- a. 60kmph
- b. 90kmph
- c. 100 kmph
- d. 120 kmph

Q59. Which signs should be interchanged if the equation below needs to be true?

$$1.5 + 8 \times 9 - 16 + 2 = 4$$

- a. $\times$ and $-$
- b. $\div$ and $-$
- c. $+$ and $\div$
- d. $-$ and $+$

Q60. National Space Society gave the 2015 Space Pioneer Award to

- a. Mylswamy Annadurai, Head of Mars orbiter program team
- b. ISRO's Mars Orbiter programme team
- c. Mangalyaan
- d. D. K. Radhakrishnan

Q61. Read the information carefully and select the correct option.

Offer A: Buy one item for Rs. 1599/- and get one free.

Offer B: Buy one item for Rs. 999/- and get another at 50% discount.

- a. A is cheaper and B is costlier
- b. A is costlier and B is cheaper
- c. Cost is same in both cases
- d. A and B are not comparable

Q62. A man walks at a speed of 3 kmph. He doubles his speed after reaching exactly halfway.



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He walks for 5 hours in all. What is the total distance travelled by him?

- a. 18 km
- b. 22.5 km
- c. 12 km
- d. 9 km

Q63. If TREK = 8346 and FAMILY = 209175, then REALITY =?

- a. 3427185
- b. 3407185
- c. 3409175
- d. 3490185

Q64. Find the similarity in the following;

- a. All can be used to convey social messages.
- b. All are show-cased in theatres.
- c. All of them are only in English language.
- d. No similarity

Q65. Indian armed forces conducted 'Operation Meghdoot' at

- a. Kargil
- b. Srinagar
- c. Siachen
- d. Amritsar

Q66. If $\cos\theta = 4/5$, then $(\sec\theta + \operatorname{cosec}\theta) =$

- a. 7/5
- b. 15/12
- c. 35/12
- d. 12/5

Q67. If $3A = 2B = C$, then $A:B:C = ?$

- a. 6:2:3
- b. 1/3:1/2:1
- c. 3:2:1
- d. 1:3:2

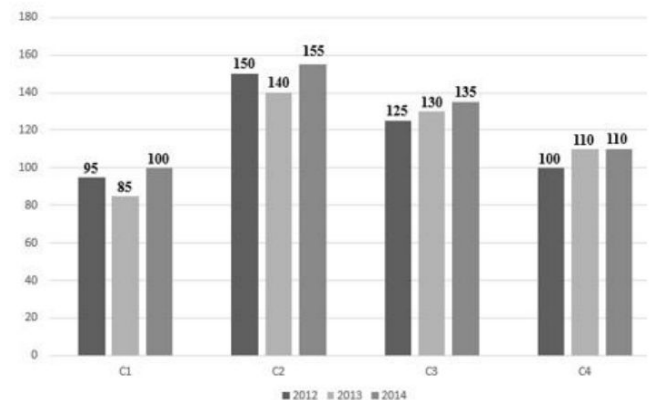
Q68. Champions of the 2nd football Indian Super League (ISL) were

- a. FC Goa
- b. Chennaiyin FC
- c. Delhi Dynamos
- d. Atletico de Kolkata

Comprehension

The bar chart represents sales of four companies C1, C2, C3, and C4 (in millions) for the year 2012, 2013 and 2014.

Consider the bar chart and answer questions based on it.



Q69. The ratio of combined sales of C1 and C4 in the year 2013 to that of year 2012 is

- a. 1
- b. 1/2
- c. 3/2
- d. 2/3

Comprehension

The bar chart represents sales of four companies C1, C2, C3, and C4 (in millions) for the year 2012, 2013 and 2014.

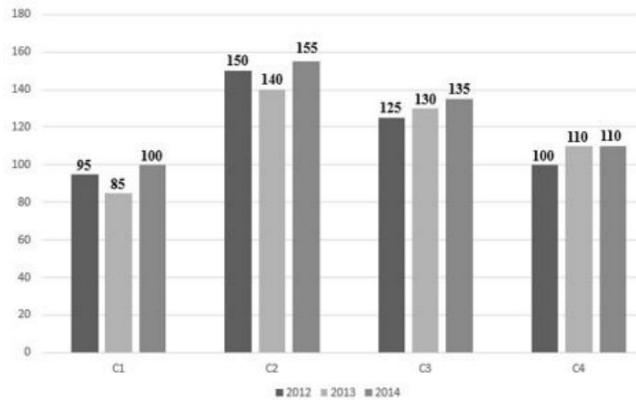
Consider the bar chart and answer questions based on it.



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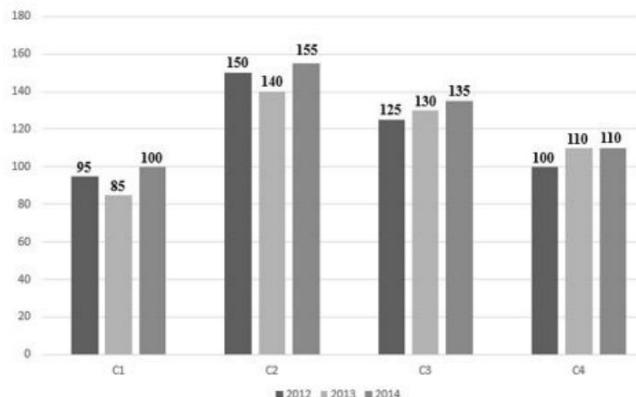
Q70. Which two companies showed increases in their sales from 2012 to 2013?

- a. C1, C4
- b. C2, C3
- c. C3, C4
- d. C1, C3

Comprehension

The bar chart represents sales of four companies C1, C2, C3, and C4 (in millions) for the year 2012, 2013 and 2014.

Consider the bar chart and answer questions based on it.



Q71. The combined sales of C2 in 2012 and 2014 is how much more than that of C3 for the same year?

- a. 12%

- b. 13.72%
- c. 14.75%
- d. 17.30%

Q72. How many 6's are there in the following sequence that are immediately preceded by 3 but not immediately followed by 0?

36906936936636063360

- a. 8
- b. 3
- c. 5
- d. 6

Q73. Rajiv Gandhi Khel Ratna awardee for 2015 was

- a. Salina Nehwal
- b. Sania Mirza
- c. Vijay Kumar
- d. Mary Korn

Q74. The richest source of Vitamin D from food is

- a. Cotton seed oil
- b. Olive oil
- c. Cod liver oil
- d. Sunflower oil

Q75. R borrowed Rs. 1,200 at 13% per annum simple interest. What amount will R pay to clear the debt after 5 years?

- a. Rs. 1,860
- b. Rs. 1,880
- c. Rs. 1,980
- d. Rs. 2,000

Q76. Find the standard deviation of { 1, 7, 10~ 13~ 9 }

- a. 1
- b. 2
- c. 4



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d. 5

Q77. Thar desert is in

- a. Madhya Pradesh
- b. Rajasthan
- c. Gujarat
- d. Uttarakhand

Q78. The summer capital of J&K Government is

- a. Jammu
- b. Srinagar
- c. Gulmarg
- d. Anantnag

Q79. National Good Governance Day is observed in India on

- a. Dec 24
- b. Dec 25
- c. Dec 26
- d. Dec 31

Q80. Q purchased a table for Rs. 13,500 and sold it for Rs. 11,000. What is his loss percentage?

- a. 19.23%
- b. 20.62%
- c. 21.78%
- d. 22.34%

Q81. Air pollution level is considered to be moderate if Air Quality index between

- a. 0 to 50
- b. 51 to 100
- c. 101 to 150
- d. 151 to 200

Q82. Swachh Bharat Mission is to

- a. Levy Swachh Bharat cess and earn revenue.
- b. Make celebrities clean the roads.

- c. Achieve clean and healthy India.
- d. Dispose off waste material.

Q83. If Quarantine : Isolation, then Freedom : _

- a. Separation
- b. Detention
- c. Liberation
- d. Constitution

Q84. If Q=10 and FAX= 50, then XEROX=?

- a. 45
- b. 46
- c. 49
- d. 50

Q85. Find the missing (?) in the series

TUS, QRP,?, KLJ, HIG

- a. ONM
- b. NINO
- c. NOM
- d. MON

Q86. IFSC is the short term of

- a. International Financial System Code
- b. Indian Financial System Code
- c. Inter-bank Financial System Code
- d. Inter-bank Functional System Code

Q87. The 'Constitution Day' of India is observed on

- a. 24th November
- b. 25th November
- c. 26th November
- d. 27th November

Q88. Safety matches contain

- a. Sulphur
- b. Phosphorus.



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- c. Magnesium
- d. Potassium

Q89. From the following former Prime Ministers, whose name can be found on Indian currency notes?

- a. Atal Bihari Vajpayee
- b. Indira Gandhi
- c. Dr. Manmohan Singh
- d. Narasimha Rao

Q90. A square ground is to be covered by planting 100 saplings on each side. How many saplings are needed in all?

- a. 400
- b. 404
- c. 396
- d. 408

Q91. P can do a work in 10 days. Q can do the same work in 15 days. If they work together for 5 days, how much of the work will they complete?

- a. 112
- b. 213
- c. 113
- d. 516

Q92. The third generation anti-tank missile that was successfully test fired by DRDO at Rajasthan is named

- a. Agni
- b. Nag
- c. Cobra
- d. Toophan

Q93. You went to buy 3 articles worth Rs.500 each. However, as per the discount sale going on in the

shop, you paid for two and got one free. What is the discount percentage in the deal?

- a. 30%
- b. 33%
- c. 33.13
- d. 33.33

Q94. During India's freedom struggle, the newspaper 'Young India' was published by

- a. B.R Ambedkar
- b. Subhash Chandra Bose
- c. Mahatma Gandhi
- d. Muhammad Ali Jinnah

Q95. Which of the following Does not belong to the group?

- a. UNIX
- b. MS-DOS
- c. WINDOWS
- d. FIREWALL

Q96. $(a-b)^2 + 2ab = ?$

- a. $a - b$
- b. $a^2 + b^2$
- c. $a^2 - 4ab + b^2$
- d. $a^2 - 2ab + b^2$

Q97. A company recruits candidates satisfying the following criteria-

1. Candidates who secured at least 85% in standard 10th or equivalent.
2. Candidates who secured at least 65% in standard 12th or equivalent.
3. Candidates who are not from commerce background.

Who among the following candidates will the company definitely select?

- a) Jitesh is a science student having scored 70% in standard



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- 12th and 80% in IOIh with an excellent sports background.
- b) Jignesh scored 80% in standard 12th, 90% in standard IOth and secured 2nd place in his college among all commerce students.
 - c) Jayesh scored 75% in standard 10th, 75% in standard 12th and is an arts student.
 - d) Jinesh secured 80%1 in standard 12m. 88% in standard IQth and is a science student with great acting skills.

Q98. What is the ratio of simple interest earned on certain amount at the rate of 12% for 6 years and that for 12 years?

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

Q99. Head Quarter of U.N.o is in

- a. New York
- b. Washington
- c. Geneva
- d. Vienna

Q100. The function of BIOS is to

- a. Initialize the system hardware components
- b. Update the system
- c. Ensure system performance
- d. Save the system from crashing.



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: Paper-3 ANSWERS :

1. (a)	2. (c)	3. (c)	4. (b)	5. (c)	6. (c)	7. (a)	8. (c)	9. (d)	10. (a)
11. (c)	12. (c)	13. (a)	14. (d)	15. (c)	16. (d)	17. (b)	18. (b)	19. (c)	20. (c)
21. (d)	22. (c)	23. (a)	24. (c)	25. (c)	26. (c)	27. (c)	28. (d)	29. (a)	30. (c)
31. (b)	32. (d)	33. (a)	34. (d)	35. (c)	36. (d)	37. (c)	38. (c)	39. (d)	40. (c)
41. (d)	42. (d)	43. (b)	44. (d)	45. (c)	46. (b)	47. (a)	48. (b)	49. (c)	50. (a)
51. (d)	52. (c)	53. (c)	54. (c)	55. (c)	56. (b)	57. (a)	58. (d)	59. (b)	60. (b)
61. (b)	62. (b)	63. (b)	64. (a)	65. (c)	66. (c)	67. (b)	68. (b)	69. (a)	70. (c)
71. (d)	72. (b)	73. (b)	74. (c)	75. (c)	76. (b)	77. (b)	78. (b)	79. (b)	80. (a)
81. (d)	82. (c)	83. (c)	84. (c)	85. (c)	86. (b)	87. (c)	88. (b)	89. (c)	90. (c)
91. (d)	92. (b)	93. (d)	94. (c)	95. (d)	96. (b)	97. (d)	98. (a)	99. (a)	100. (a)



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RRB NTPC Exam Solved Paper-4 (31-Mar-2016)



Q1. Bommy is the daughter of Indu's brother, Indu has one sister, Chanda and one brother, Gopal. How is Bommy related to Gopal?

- a. Sister
- b. Father
- c. Daughter
- d. Niece

Answer: (c)

Q2. Find the missing (?) in the series

- a. NA, QD, ?, WJ, ZM
- b. SF
- c. TG
- d. UH
- e. VI

Answer: (b)

Q3. Three categories of employees get wages in the ratio of 1:2:3. If they get increments of 5%, 10% and 15% respectively, what will be the new ratio of their wages?

- a. 21:44:69
- b. 7:22:23
- c. 7:44:23
- d. 21:22:23

Answer: (a)

Q4. Hindustan Socialist Republican Association was founded by

- a. Subash Chandra Bose
- b. Vinayad Damodar Savarkar
- c. Jayaprakash Narayan



d. Bhagat Singh

Answer: (d)

Q5. Three freedom fighters including Bipin Chandra Pal were popularly known as Lal-Bal-Pal. Who were the other two?

- a. Subhash Chandra Bose & Bal Gangadhar Tilak
- b. Bal Gangadhar Tilak & Lala Lajpat Rai
- c. Lala Lajpat Rai & Bhagat Singh
- d. Ram Prasad Bismil & Bhikaiji Cama

Answer: (b)

Q6. The maximum number of columns in the new MS Excel worksheet is

- a. 2^8
- b. 2^{10}
- c. 2^{12}
- d. 2^9

Answer: -----

Q7. The area of a circle is 616 sq.m. find its diameter.

- a. 7m
- b. 14m
- c. 28m
- d. 56m

Answer: (c)

Q8. Find the median, mode and mean of 9, 5, 8, 9, 9, 7, 8, 9, 8.

- a. 9,9,9
- b. 9,8,9
- c. 8,9,8
- d. 8,9,9

Answer: (c)

Q9. Which one of the following cities, is the first list of 20 proposed smart cities under the smart cities Mission' released by the Union Government in January 2016?

- a. Guwahati
- b. Mumbai
- c. Vadodara
- d. Kolkata

Answer: (a)

Q10. 'Gallon' is commonly used

- a. To refer to speed.
- b. To refer to a container.
- c. As a measure of volume.
- d. To express containers in terms of barrel.

Answer: (c)

Q11. Which one of the following countries does not have football as their national sport?

- a. Ghana



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- b. Hungary
- c. Argentina
- d. Mauritius

Answer: (c)

Q12. Kurukshetra, the famous battle field mentioned in Mahabharata was located near

- a. Rawalpindi
- b. Meerut
- c. New delhi
- d. Ambala city

Answer: (d)

Q13. How many millimeters make ten kilometers?

- a. 10^{10}
- b. 10^9
- c. 10^8
- d. 10^7

Answer: (d)

Q14. The most active ingredient in bleaching powder is

- a. Iodine
- b. Calcium hypochlorite
- c. Nitric acid
- d. Ammonium sulphate

Answer: (b)

Q15. The central government granted a certain sum towards flood relief to 3 states A,B, and C in the ratio 2:3:4:. If C gets Rs. 400 crores more than A, what is the share of B?

- a. Rs. 400 crore
- b. Rs. 200 crore
- c. Rs. 600 crore
- d. Rs. 300 crore

Answer: (c)

Q16. Cricketer Virat Kohli was honoured with Arjuna Award in the year

- a. 2011
- b. 2012
- c. 2013
- d. 2014

Answer: (c)

Q17. The instrument used to determine the rotation speed of a shaft is called

- a. Speedometer
- b. Tachometer
- c. Anemometer
- d. Chronometer

Answer: (b)



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Q18. Find the greatest length which can be used to measure exactly three cloth places of lengths 1.26m, 1.98m and 1.62m respectively.

- a. 12 cm
- b. 14 cm
- c. 16 cm
- d. 18 cm

Answer: (d)

Q19. Slave Dynasty was founded by

- a. Qutbuddin Aibak
- b. Mahmud Ghazni
- c. Muhammad Ghori
- d. Razia Sultana

Answer: (a)

Q20. Exobiology refers to

- a. Life in outer space.
- b. Life of animals.
- c. Life of plants.
- d. Life of human beings on earth.

Answer: (a)

Q21. A Call center recruits candidates with the following criteria-

- 1. Candidates should have passed at least 10th standard.
- 2. Candidates must be fluent in English and Hindi.

- 3. Candidates must be ready to work in both day and night shifts.

Which candidate among the following will the call center definitely take?

- a. Seta is a graduate, fluent in Marathi, Hindi and English and can work only in day shift.
- b. Sarita is fluent in English, Tamil and Hindi, can work in both shifts and has had no formal education.
- c. Smita speaks English and Hindi very well, is ready for day as well as night shifts and has studied till 12th standard.
- d. Savita can work in both shifts, has passed 10th standard with 65% and speaks fluent Hindi and Marathi.

Answer: (c)

Q22. What will be the maturity value, if Rs. 13,500 is deposited at a simple rate of interest of 12.5% for two years?

- a. Rs. 15,187.50
- b. Rs. 16,875.00
- c. Rs. 16,875.50
- d. Rs. 16,785.00

Answer: (b)

Q23. Study of earth is known as

- a. Ecology
- b. Biology



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- c. Ethnology
- d. Geology

Answer: (d)

Q24. School W in a village, provides education from nursery to standard 4. In the same village, school B and school k provide education from standard 5 to 10. School F, which is in a nearby town, provides higher secondary education, that is, standard 11th and 12th only. The village has only three schools. Parents in the village have requested for more schools to the local panchayat.

Which conclusion follows the given statements?

- a. Schools are less in the village because parents do not want their children to study.
- b. Due to lack of teachers, village schools cannot compete with town schools.
- c. For higher secondary education, children of the village have to travel to the nearby town.
- d. Parents will send their kids to town, if school F provides primary education too.

Answer: (c)

Q25. The difference between the ages of mother and son was 21 when mother's age was 43, if father is elder by years to mother, what will be the difference between the ages of son and father when father attains 50 years?

- a. 21
- b. 22
- c. 23

- d. 24

Answer: (d)

Q26. A shop keeper purchased 15 kg of sugar and 20 kg of wheat at Rs. 75 per kg respectively. On selling them, he gained 10% on sugar and 20% on wheat. What was the total sale value?

- a. Rs. 2,550
- b. Rs. 2,625
- c. Rs. 1,800
- d. Rs. 1,575

Answer: (b)

Q27. Select the alternative that shows a different relationship as the given pair-

Crude : Raw

- a. Isolation : Separation
- b. Distinguished : August
- c. Assert : Hide
- d. Stop : Conclude

Answer: (c)

Q28. X can finish 25% of a work in a day. Y can do 12.5% of a work in a day. In how many days, will both of them finish the work together?

- a. 2.67 days
- b. 2.33 days
- c. 3.33days



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d. 3.67 days

Answer: (a)

Q29. If $x + 2y = 27$ and $x - 2y = -1$, find the value of y .

a. 13

b. 14

c. 7

d. 26

Answer: (c)

Q30. When did Bangladesh become an independent parliamentary democracy?

a. December, 1971

b. January, 1972

c. March, 1972

d. February, 1972

Answer: (b)

Q31. Find the smallest of the following decimals.

a. 0.2 0.2 0.2

b. 0.02/3

c. 0.01/2

d. 0.1 0.022

Answer: (d)

Q32. Find the range of the data 2, 1, 2, 3, 5, 4, 7, 3, 5, 2, 4.

a. 5

b. 4

c. 3

d. 6

Answer: (d)

Q33. A person with blood group AB

a. Can donate blood to persons with blood group A, B and O.

b. Is called universal blood donor.

c. Can receive blood from any group.

d. Is neither a universal recipient nor a donor.

Answer: (c)

Q34. You purchased two pieces of cloth measuring 1, 2 m and 1, 3 m each at Rs. 330 and Rs. 270 per meter respectively and gave Rs. 1000 at the payment counter. How much cash will you get back?

a. Rs. 253

b. Rs. 604

c. Rs. 649

d. Rs. 235

Answer: (a)

Q35. Which one of the following does not belong to the group?

a. Android



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- b. Bada
- c. Dos
- d. Symbian

Answer: (c)

Q36. Find the odd out among the following.

- a. ECS
- b. RTGS
- c. NEFT
- d. EMI

Answer: (d)

Q37. What is the difference between the maturity values, if Rs. 12,500 is invested for 2 years at 20% per annum simple interest and compound interest?

- a. Rs.750
- b. Rs. 650
- c. Rs. 550
- d. Rs. 500

Answer: (d)

Q38. Under the Indian Constitution, legislative powers are vested with the

- a. President
- b. Prime Minister
- c. Union Council of Ministers
- d. Parliament

Answer: (d)

Q39. When a person can see only nearby objects, the condition is called

- a. Hypermetropia
- b. Astigmatism
- c. Myopia
- d. Retinopathy

Answer: (c)

Q40. The speed of car B is half the speed of car A. If car A covers a distance of 120 km in 1 hours, what is the speed of car B?

- a. 40 kmph
- b. 60 kmph
- c. 30 kmph
- d. 50 kmph

Answer: (a)

Q41. If SWEET is written as XAHGU, then HORSE is

- a. MSUVF
- b. MTVUF
- c. MTVUD
- d. MSUUF

Answer: (d)

Comprehension:

Five people P, Q, R, S, and T visit an office on certain days of a week. They work as a plumber,



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carpenter, cook, electrician and doctor in random order. A person pursues only one profession and visits the office only one day in the week. Consider the following information and answer questions based on it.

1. The plumber visit office every Monday.
2. P is an electrician who comes neither on Tuesday nor Thursday.
3. T is a carpenter and R is not plumber.
4. The person who visits the office on Thursday is not a doctor.
5. S works on a Tuesday and t works on the following day.

Q42. Which is the right combination?

- a. Monday – electrician
- b. Thursday – cook
- c. Tuesday – carpenter
- d. Friday – doctor

Answer: (b)

Comprehension:

Five people P, Q, R, S, and T visit an office on certain days of a week. They work as a plumber, carpenter, cook, electrician and doctor in random order. A person pursues only one profession and visits the office only one day in the week. Consider the following information and answer questions based on it.

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3. T is a carpenter and R is not plumber.
4. The person who visits the office on Thursday is not a doctor.
5. S works on a Tuesday and t works on the following day.

Q43. The doctor visits the office on

- a. Fridays
- b. Wednesdays
- c. Thursdays
- d. Tuesdays

Answer: (d)

Comprehension:

Five people P, Q, R, S, and T visit an office on certain days of a week. They work as a plumber, carpenter, cook, electrician and doctor in random order. A person pursues only one profession and visits the office only one day in the week. Consider the following information and answer questions based on it.

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5. S works on a Tuesday and t works on the following day.

Q44. Who is the plumber?

- a. Q
- b. S
- c. R
- d. T

Answer: (a)

Q45. An assertion (A) and a reason (R) are given below.

Assertion (A): Mangoes are sweet when they are ripe.

Reason (R): Mangoes are available mainly in summer in India.

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

Answer: (b)

Q46. Statements followed by some conclusions are given below.

Statements:

- 1. Sam sleeps more than Ram who sleeps only for 5 hours every day.
- 2. Shyam sleeps for 8 hours which is lesser than sam's by 2.

Conclusions:

- I. Sam sleeps for 6 hours.
- II. Ram has a bad sleeping habit.

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 follows.

Answer: (d)

Q47. What number, from the following, should be deducted from 1184 to make it exactly divisible by 21?

- a. 15
- b. 12
- c. 8
- d. 7

Answer: (c)

Q48. A Rectangular playground ground of length 125m and width 75m, has a walking strip of width 3m in the middle of the ground, along the longer side. What is the area of the ground without the walking strip?



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- a. 9375 sq.m
- b. 9000 sq.m
- c. 9750 sq.m
- d. 8625 sq.m

Answer: (b)

Q49. Cultivation is difficult on red soil because

- a. Its water holding capacity is less.
- b. It is highly contaminated.
- c. Biological components do not mix with it.
- d. It is red in colour.

Answer: (a)

Q50. The United Nations Development Programme (UNDP) focusses on

- a. Solutions to global development challenges.
- b. Developing nations.
- c. Under-developed nations.
- d. Developed nations.

Answer: (a)

Q51. If Sun : Star then moon : _____

- a. Star
- b. Planet
- c. Comet
- d. Satellite

Answer: (d)

Q52. Find the missing number (?) in the series

1, 1, 4, 8, 9, ?, 16, 64.....

- a. 21
- b. 23
- c. 25
- d. 27

Answer: (d)

Q53. Find the HCF of 48, 92 and 140.

- a. 8
- b. 6
- c. 4
- d. 3

Answer: (c)

Q54. If mathematical operations '+' and '-' are interchanged, then the value of

$15+4+15-113398$ is

- a. 6
- b. 7
- c. 8
- d. 9

Answer: (b)

Q55. The standard deviation of the set {10, 11, 12, 9, 8} is



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- a. 1
- b.
- c. 2
- d.

Answer: (b)

Q56. Looking at a lady, Joey said, "She is the mother of my mother's mother-in-law's husband". How is the lady related to Joey's father?

- a. Mother
- b. Aunt
- c. Mother-in-law
- d. Grandmother

Answer: (b)

Q57. One Gigabyte=? (in decimal value)

- a. 1000 bytes
- b. 1000^2 bytes
- c. 1000^3 bytes
- d. 1000^4 bytes

Answer: (c)

Q58. The annual award of 'Gandhi Peace Prize' is given to

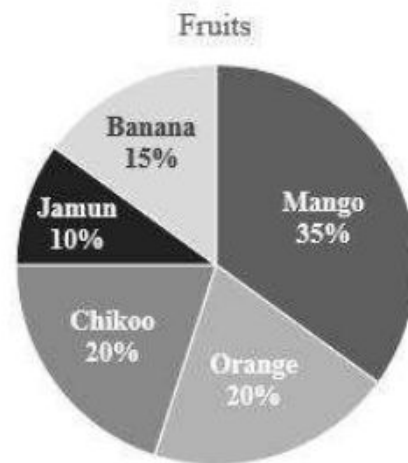
- a. Individuals only
- b. Institutions only
- c. Individuals and institutions

- d. Group of institutions

Answer: (c)

Comprehension:

The following pie chart shows fruit tree distribution in a farm land. Consider the chart and answer questions based on it.



Q59. The sector angle corresponding to the banana is

- a. 90°
- b. 54°
- c. 72°
- d. 36°

Answer: (b)

Comprehension:

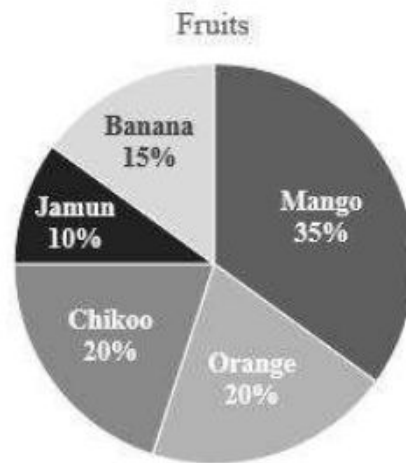
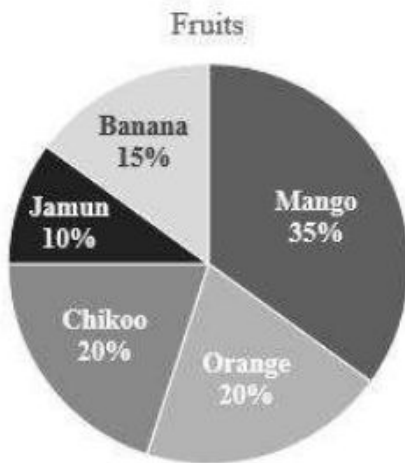
The following pie chart shows fruit tree distribution in a farm land. Consider the chart and answer questions based on it.



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Q60. What is the ratio of Chikoo and Mango trees to that of Jamun, orange and banana trees in the farm land?

- a. 1
- b. 1:3
- c. 11:9
- d. 3:1

Answer: (c)

Comprehension:

The following pie chart shows fruit tree distribution in a farm land. Consider the chart and answer questions based on it.

Q61. If there are in all 960 trees, then how many of them are Mango trees?

- a. 192
- b. 288
- c. 384
- d. 336

Answer: (d)

Q62. The concept of Triratna belonged to

- a. Sikhism
- b. Jainism
- c. Buddhism
- d. Zoroastrianism

Answer: (b)

Q63. What is meant by space tourism?

- a. Scientific space exploration.



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मित्रों इस परीक्षा में अंग्रेजी एवं हिंदी माध्यम के छात्र लगभग समान संख्या में सम्मिलित होते हैं, लेकिन हिंदी माध्यम से तैयारी करने वाले छात्रों के साथ सबसे बड़ी समस्या विश्वसनीय अध्ययन सामग्री एवं सही मार्गदर्शन की है।

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- b. Space travel for leisure.
- c. Touring the world only by flight.
- d. Reaching out to Mars.

Answer: (b)

Q64. Which country among the following is the smallest in terms of area?

- a. Brazil
- b. India
- c. Canada
- d. Russia

Answer: (b)

Q65. Why does a piece of cloth, which appears green in sunlight, appear black when it is viewed under red light?

- a. The cloth completely absorbs red colour wavelength.
- b. It is due to refraction.
- c. It is the effect of scattering of light.
- d. It is due to parallax error.

Answer: (a)

Q66. A is D's brother. D is the son of Mrs. C. B is Mrs. C's father. How is A related to B?

- a. Grandson
- b. Brother
- c. Son

- d. Grandfather

Answer: (a)

Q67. If S means '+', L means 'x', U means '-' and K means '-', then the value of $21 S 1 U 7 L 15 U 6 L 14 K 55$ is

- a. -50
- b. 26
- c. -29
- d. 29

Answer: (c)

Q68. In a certain coding language. 'Ginger is a root' is written as 4123, 'A tree has a root' is 75422 and 'Tree is green' is 385. Which digit represents 'root'?

- a. 4
- b. 5
- c. 3
- d. 2

Answer: (a)

Q69. Hirakud reservoir is built across the river

- a. Sutlej
- b. Godavari
- c. Mahanadi
- d. Narmada

Answer: (c)



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Q70. Which of the following authority is elected on the basis of proportional representation in India?

- a. Prime minister
- b. President
- c. Governor
- d. Lok Sabha Speaker

Answer: (b)

Q71. How many players, on each side, are required for the game of volleyball?

- a. 6
- b. 8
- c. 5
- d. 7

Answer: (a)

Q72. A man traveled at 40 kmph. Had he increased his speed by 16 kmph, he would have covered 80 km more in the same time. Find the accrual distance travelled?

- a. 40 km
- b. 20 km
- c. 30 km
- d. 48 km

Answer: (b)

Q73. AC is converted in to DC by a

- a. Condenser

- b. Rectifier
- c. Amplifier
- d. Filter

Answer: (b)

Q74. Which one among the following does not belong to the group?

- a. Maestro
- b. Visa
- c. Master
- d. Credit card

Answer: (d)

Q75. Statements followed by some conclusions are given below:

Statements:

1. Smoking is injurious to health and one of the causes of cancer.
2. Government has prohibited smoking in public places.

Conclusions:

- I. Smoking causes cancer.
- II. Sale of cigarette should be banned.

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

- a. Only conclusion I follows.
- b. Only conclusion II follows.



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- c. Both I and II follow.
d. Neither I nor II follows.

Answer: (a)

Q76. In which quadrant, will the point (4, -2) be located?

- a. I
b. II
c. III
d. IV

Answer: (d)

Q77. If SELFIE = LXKEYBX, then PHYSICS=

- a. LARLBVL
b. LARLBVL
c. LARBLJL
d. LARBLVL

Answer: (a)

Q78. Four pairs of words are given. Find the odd one out.

- a. Horse : Calf
b. Deer : Fawn
c. Fish : Fry
d. Goat : Kid

Answer: (a)

Q79. Rearrange the jumbled letters to make a meaningful word and then select the one which is different.

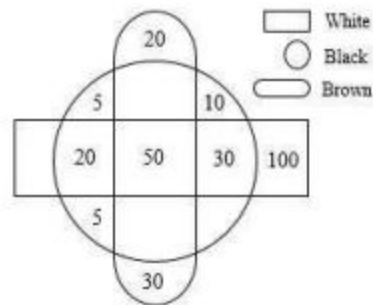
- a. OENS
b. KWLA
c. ALIN
d. EDAH

Answer: (b)

Comprehension:

Study the following diagram and answer questions based on it.

The colour preferences of children are given.



Q80. How many children like both brown and white but not black?

- a. 10
b. 20
c. 50
d. None

Answer: (d)



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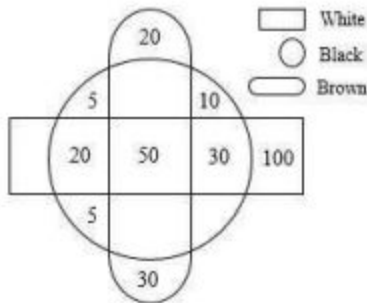
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Comprehension:

Study the following diagram and answer questions based on it.

The colour preferences of children are given.



Q81. The ratio of children who like brown to those who like black is

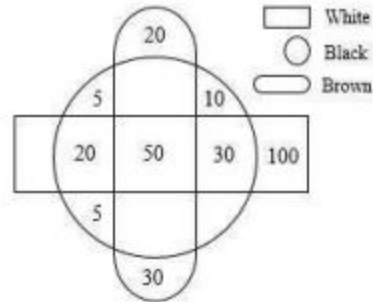
- a. $\frac{5}{3}$
- b. $\frac{1}{2}$
- c. 1
- d. $\frac{5}{6}$

Answer: (d)

Comprehension:

Study the following diagram and answer questions based on it.

The colour preferences of children are given.



Q82. The ratio of kids who do not like black to those who like only black and white are

- a. 3:1
- b. 3:2
- c. 12:5
- d. 5:12

Answer: (a)

Q83. 'Grand Slam' refers to winning certain major tennis tournaments in a single calendar year. The name of the tournaments are

- a. Australian open, French open and US open and Wimbledon
- b. Australian open, French open, us open and Wimbledon
- c. French open, US open, and Wimbledon
- d. French open, US Wimbledon and Olympic

Answer: (b)

Q84. Find the value of $x^3(x^3 - x^2 - x)$, when $x = 4$.

- a. 2816



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- b. 3328
- c. 2516
- d. 3332

Answer: (a)

Q85. With effect from 1st April 2010, banks have been allowing interest on saving account balance on

- a. Annual basis
- b. Half yearly basis
- c. Quarterly basis
- d. Daily basis

Answer: (d)

Q86. $9797 = ?$

- a. 9391
- b. 9409
- c. 9049
- d. 9309

Answer: (b)

Q87. Which of the following statement is true?

- a. Global warming and climate change are two different issues.
- b. Global warming will reduce the, annual build-up of glacier ice.
- c. Global warming may cause sea levels to go down.

- d. Global warming may cause contraction of deserts.

Answer: (b)

Q88. Which of the following books was NOT written by Dr. A. P. J. Abdul Kalam?

- a. The Scientific Indian
- b. Encisioning An Empowered Nation
- c. My Country, My Life
- d. Ignited Minds

Answer: (c)

Q89. The value of $\cos(1110^\circ)$ is

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

Answer: (b)

Q90.

If $\sin\theta = 2/3$, find the value of $\sec\theta$ and $\cot\theta$.

- A. $\sqrt{5}/2, 2/\sqrt{5}$
- B. $2/\sqrt{5}, 3/5$
- C. $3\sqrt{5}/5, \sqrt{5}/2$
- D. $3/5, 3\sqrt{5}/5$

Answer: (c)

Q91. ZIKA virus which damages the brain of the foetus is

- a. Mosquito borne



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- b. Water borne
- c. Air borne
- d. Food borne

Answer: (a)

Q92.

Simplify: $(x^5 \div x^4)^3 \div x$

- A. x^3
- B. x^2
- C. x
- D. x^{-1}

Answer: (b)

Q93. An article was sold for Rs. 2,400 at a discount of 20%. Find the selling price, if the discount was 25%.

- a. Rs. 2,250
- b. Rs. 2,000
- c. Rs. 1,800
- d. Rs. 2,150

Answer: (a)

Q94. In a certain code, 134 is AGE and 92706 is INERT. What is 016923?

- a. EATING
- b. RANGER
- c. RATING
- d. GINGER

Answer: (c)

Q95. The name of the space shuttle, which carried the Indian born Kalpana Chawla into space was

- a. Columbia
- b. Challenger
- c. Atlantis
- d. Endeavour

Answer: (a)

Q96. Find the similarity in the following:

Carbon, Silicon, Boron, Arsenic

- a. All of them are gases.
- b. All of them are non-metals.
- c. All of them are metals.
- d. No similarity.

Answer: (b)

Q97. A tank can be filled in 30 minutes. There is a leakage which can empty the tank in 90 minutes. Therefore, the tank will be filled in

- a. 60 minutes
- b. 45 minutes
- c. 55 minutes
- d. 50 minutes

Answer: (b)

Q98. Prostate in human body is a



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- a. Connective tissue
- b. Gland
- c. Membrane
- d. Muscle

Answer: (b)

Q99. A product was sold for rs. 4,500 at a profit of 12.5%. what was the amount of profit?

- a. Rs. 125
- b. Rs. 250
- c. Rs. 500
- d. Rs. 300

Answer: (c)

Q100. Find the odd one out.

- a. NaCl
- b. Na_2CO_3
- c. H_2O
- d. He

Answer: (d)



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: Paper-4 ANSWERS :

GIVEN BELOW EACH QUESTION



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Q1. What among the following is FALSE about the Richter scale ?

- A. It was developed by Charles Richter and Gutenberg in 1935.
- B. It is a logarithmic scale
- C. It can be measured using a seismometer
- D. Magnitude of 8-9 on a Richter scale means it is a micro earthquake.

Answer: D

Q2 . Where did Swami Vivekananda give his famous Chicago speech?

- A. 11th September, 1893
- B. 14th September, 1892
- C. 19th September, 1893
- D. None of these

Answer: A

Q3. The annual "Royal Kathima Ceremony" is associated with which of the following religions?

- A. Jainism
- B. Buddhism
- C. Parsi
- D. Sikhism

Answer: B

Q4. If $N:38::3:57$, Find N.

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

Answer: D



Q5. The distance between two points A and B is covered in $5\frac{1}{2}$ hours at a speed of 50 km/hr. If the speed is increased by 5 km/hr. how much time would be saved?

- A. 5 minutes
- B. 15 minutes
- C. 50 minutes
- D. 0 minutes

Answer: B

Q6.

If $x=7-4\sqrt{3}$ find the value of $\sqrt{x}+\frac{1}{\sqrt{x}}$

- A. 0
- B. 1
- C. 4
- D. -4

Answer:

Q7. Which is India's longest river that does not flow into the sea?

- A. Ganga
- B. Jamuna
- C. Tapsi
- D. Kaveri

Answer: C

Q8. What is the most cultivated crop in India?

- A. Ragi
- B. Wheat
- C. Corn
- D. Rice

Answer: D

Q9. In which City is the value of Gold determined ?

- A. California
- B. Sydney
- C. Rome
- D. London

Answer: D

Q10. Find the similarity in the following:

Elephant, Camel, Buffalo, Giraffe

- A. The milk produced by all of them cannot be consumed by people .
- B. All of them have horns
- C. None of them are mammals
- D. The young ones of all of them are called calf.

Answer: D

Q11.

If $y=\frac{2x-1}{x+3}$, find x when y=1

- A. 4
- B. -4



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C. $3/2$

D. $4/3$

Answer: A

Q12. Which Vitamin among the following is crucial for blood clotting?

A. Vitamin B12

B. Vitamin D

C. Vitamin A

D. Vitamin E

Answer: A

Q13. If the mathematical operations, '=' and 'x' are interchanged, what will be the value of the equations $9 \div 5 + 10 - 23 \times 2$

A. 3

B. 2

C. -3

D. -5

Answer: C

Q14. A wire is in the shape of rectangle. Its length is 42.7cm and breadth is 21.8 cm. If the same wire is re-bent in the shape of a square, what will be the measure of the side of the square?

A. 16.125

B. 32.25

C. 11.35

D. 22.70

Answer: B

Q15. According to the Swachh Bharat 2015 survey, which is the cleanest city in India?

A. Chennai

B. Delhi

C. Ahmedabad

D. Mysore

Answer: D

Q16. Which is the most peaceful country according to the 2015 Global Peace Index?

A. Iceland

B. Bhutan

C. Austria

D. New Zealand

Answer: A

Q17. Where did the Chipko Movement begin?

A. Rajasthan

B. Assam

C. Arunachal Pradesh

D. Mizoram

Answer: A

Q18. Rearrange the jumbled letters to make a meaningful word and then select the one which is different?



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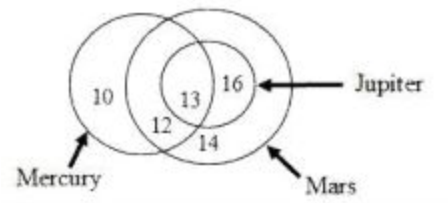
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- A. ORIN
- B. NADS
- C. POPCER
- D. DLOG

Answer: B

Study the following diagram and answer questions based on it.

The diagram represents the likes of kids of a class

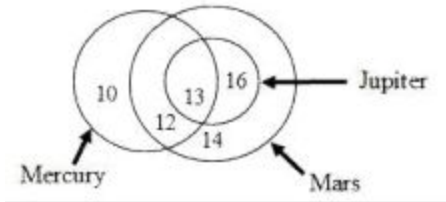


Q19. The ratio of kids who like only Mars to those who like all the three is

- A. $7/5$
- B. $7/8$
- C. $7/6$
- D. $14/13$

Answer: D

Study the following diagram and answer questions based on it . The diagram represents the likes of kids of a class

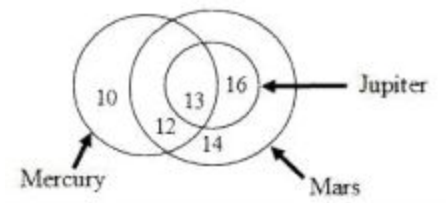


Q20. What is the difference between the kids who like Mercury and Jupiter ?

- A. 6
- B. 8
- C. 10
- D. 12

Answer: A

Study the following diagram and answer questions based on it . The diagram represents the likes of kids of a class.



Q21. How many people who likes Mars like Jupiter also ?

- A. 45
- B. 29
- C. 26
- D. 13

Answer: B



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Q22. Name the capital of Uganda?

- A. Mogadish
- B. Kampala
- C. Lusaka
- D. Bulenga

Answer: A

Q23. What is Madhubani art?

- A. The art of Storytelling
- B. The art of Gujarat
- C. A folk art practiced in Bihar
- D. The art of honey extraction

Answer: C

Q24. What is 'Planet Name'?

- A. A planet in the Comet Galaxy
- B. A planet in Andromeda Galaxy
- C. A planet where the 'Star Wars' series took place
- D. A large icy planet proposed in the outer Solar system

Answer: D

Q25. Which is NOT an Operating System?

- A. OS X
- B. Windows 7
- C. DOS

D. C++

Answer: D

Q26. What is the smallest number of 5 digits which is exactly divisible by 12, 24, 48, 60 and 96?

- A. 10000
- B. 10024
- C. 10160
- D. 10080

Answer: D

Q27. Find the cost in rupees for carpeting a room 65dm x 30dm at Rs.45 per sq.m

- A. 877.50
- B. 87750
- C. 87.75
- D. 8775

Answer: A

Q28. What is most common treatment for bacterial infections in humans ?

- A. Aspirin
- B. Antibodies
- C. Antibiotics
- D. Antigen

Answer: C



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Q29. The ratio of ages of Jai and Joy is 5:2. The sum of their ages is 63. After 9 years what will be the ratio of their ages?

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

Answer: B

Q30. By selling 90 chocolates for Ra.160, a chocolate trader loses 20%. How many chocolates should he sell for Rs.96 to make a profit of 20%?

- A. 45
- B. 36
- C. 54
- D. 28

Answer: B

Q31. What is an archipelago?

- A. Group. chain. cluster or collection of Islands
- B. The meeting of Land and Sea
- C. An Architect's paradise
- D. A type of Church

Answer: A

Six animals - horse, cow, pig, dog, donkey and goat are tied to a pole each, in a circle, facing each other, in random order. Consider the following information and answer the questions based on it.

- 1. Goat is to the immediate right of pig.
- 2. Cow is not tied next to either donkey or dog
- 3. If the animals mark the vertices of a hexagon, then the horse is diagonally opposite to the pig.

Q32. The cow is tied to the immediate left of

- A. Goat
- B. Pig
- C. Horse
- D. Dog

Answer: C

Six animals –horse, cow, pig, dog, donkey and goat are tied to pole each, in a circle, facing each other, in random order. Consider the following information and answer the question based on it.

- 1. Goat is to the immediate right of pig.
- 2. Cow is not tied next to either donkey or dog
- 3. If the animals mark the vertices of a hexagon, then the horse is diagonally opposite to the pig.

Q33. Which pair is tied next to each other ?

- A. Horse and Goat
- B. Pig and Cow
- C. Goat and Dog
- D. Donkey and Dog

Answer: D

Six animals –horse, cow, pig, dog, donkey and goat are tied to pole each, in a circle, facing each



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other , in random order. Consider the following information and answer the question based on it.

1. Goat is to the immediate right of pig.
2. Cow is not tied next to either donkey or dog
3. If the animals mark the vertices of a hexagon, then the horse is diagonally opposite to the pig.

Q34. Which animal is tied to the immediate left of pig ?

- A. Goat
- B. Donkey
- C. Dog
- D. Cannot be determined

Answer: D

Q35. Who is Sabari Karthik?

- A. Famous Karate Champion
- B. Rugby Player
- C. Cricket Player
- D. Kabaddi Player

Answer: A

Q36. Which among the following is popularly called Laughing Gas?

- A. Nitric acid
- B. Nitrogen dioxide
- C. Nitrous oxide
- D. Nitrogen peroxide

Answer: C

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

- A. 65th anniversary: Diamond Jubilee
- B. 50th anniversary : Golden jubilee
- C. 40th anniversary: Ruby jubilee
- D. 25th anniversary : silver jubilee

Answer: A

Q38. A lady wants to buy the following items in the given price range –

1. Tomato between Rs. 40 and Rs. 45kg.
2. Grapes in the price range of Rs. 80 and Rs. 90 per kg.
3. Milk package at Rs. 23 per litre.

In which shop from the following will she definitely get all her items?

- A. Shop S sells tomato at Rs. 22.5 per half kg. grapes at Rs. 82 per kg and milk of Rs. 24 per litre
- B. Shop H sells grapes at Rs. 21 per quarter kg. milk at 12.5 per half litre and tomato at Rs. 22 per half kg.
- C. Shop O sells milk at Rs. 11.5 per half litre, tomato at 21 per half kg and grapes at Rs. 43 per half kg.
- D. Shop P sells tomato at Rs. 23.5 per half kg, grapes at Rs. 43 per half kg.



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Answer: C

Q39. What did M.S. Swaminathan an Indian geneticist, play a leading in?

- A. Yellow Revolution
- B. White Revolution
- C. Green Revolution
- D. Black Revolution

Answer: C

Q40. What is the mean of the marks scored by students in a science exam?

41, 39, 52, 48, 54, 62, 46, 52, 40, 96, 42, 40, 98, 60, 52

- A. 54.8
- B. 58.4
- C. 53.4
- D. 53.8

Answer: A

Q41.

Simplify: $(-4.6) \times (-4.6) \div (-4.6 + 0.6)$

- A. -5.29
- B. -0.529
- C. -4.06
- D. 5.01

Answer: A

Q42. Indian currency notes are printed in which place?

- A. New Delhi
- B. Bombay
- C. Nashik
- D. Agra

Answer: C

Q43. The price of $4\frac{1}{2}$ m of cloth is Rs. $60\frac{1}{2}$. Find the cost per metre.

- A. $15\frac{1}{2}$
- B. $13\frac{1}{2}$
- C. $14\frac{3}{4}$
- D. $13\frac{3}{4}$

Answer: B

Q44. What is the number of Galilean moons of Jupiter discovered by Galileo Galilei in January 1610?

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

Answer: C

Q45. Mica is available abundantly in which state?

- a. West Bengal
- b. Madhya Pradesh



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- c. Bihar
- d. Rajasthan

Answer: C

Q46. IF X = 24 and BE= 7, then RING = ?

- A. 41
- B. 47
- C. 48
- D. 49

Answer: C

Q47. The product of two consecutive odd number is 399. Find the lower of them.

- A. 17
- B. 19
- C. 21
- D. 23

Answer: B

Q48. Between which stations does India's longest train run?

- A. Kanyakumari – Baramulla
- B. Dibrugarh - Naliya
- C. Dibrugarh – Kanyakumari
- D. Thiruvananthapuram- New Delhi

Answer: C

Q49. The television technology in which a new form of light-emitting crystals which can be printed onto

flexible plastic sheets to produce a paper-thin display that can be rolled up and carried in a pocket is:

- [A] QD-TV
- [B] SED-TV
- [C] Pixel Plus
- [D] Slingbox

Answer: a

Q50. What is the Silberman ibex?

- A. Mountains Lions
- B. Large and heavily built goats
- C. Mountain Deer
- D. A Type of Horse

Answer: B

Q51. Cost Price of 25 chairs equal to the selling price of 20 chairs . Find the profit %

- A. 2. %
- B. 33%
- C. 25%
- D. 12.5%

Answer: C

Q52. A trader marks his goods at 20% above cost price . If the above

- A. 12%
- B. 14%



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- C. 15%
D. 18%

Answer: B

Q53. What is Swadeshi?

- A. Made in India, from materials that have also been produced in India
B. Made IN Foreign Lands from materials that are foreign
C. A charkha that is used to spin cotton wool
D. A country flag that is made of cotton

Answer:A

Q54. Which among the following happens in an oxidation reaction?

- A. Electron are gained
B. Electrons are lost
C. Protons are gained
D. Protons are lost

Answer: B

Q55. Where is the Masai Mara National Reserve?

- A. Mali
B. Kenya
C. Gabon
D. Zambia

Answer: B

Q56. Find the compound interest to the nearest rupee on Rs. 7500 for 2 years 4 months at 12% per annum reckoned annually?

- A. 2284
B. 2174
C. 2097
D. 2235

Answer: A

The following table represents the percentage marks of four students in six subjects. Consider the table and answer questions based

Student	Maths	Science	History	Geography	English	Hindi
Shamita	75	80	65	68	72	65
Smita	80	85	75	65	70	70
Shilpa	82	88	70	69	71	70
Sheela	78	87	65	70	75	74

Q57. The average marks obtained by the students in geography and History are

- A. 68.75 and 68
B. 70.5 and 69
C. 68 and 68.75
D. 68.75 and 68.5

Answer: C

The following table represents the percentage marks of four students in six subjects. Consider the table and answer questions based

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Student	Maths	Science	History	Geography	English	Hindi
Shamita	75	80	65	68	72	65
Smita	80	85	75	65	70	70
Shilpa	82	88	70	69	71	70
Sheela	78	87	65	70	75	74

Q58. Average marks obtained in Science is higher than that of Maths by

- A. 15
- B. 20
- C. 25
- D. 40

Answer: C

The following table represents the percentage marks of four students in six subjects. Consider the table and answer questions based

Student	Maths	Science	History	Geography	English	Hindi
Shamita	75	80	65	68	72	65
Smita	80	85	75	65	70	70
Shilpa	82	88	70	69	71	70
Sheela	78	87	65	70	75	74

Q59. Who has the highest total marks?

- A. Shamita
- B. Smita
- C. Shilpa
- D. Sheela

Answer: C

Q60. If $\cos\theta + \sin\theta = m$, $\sec\theta + \csc\theta = n$, what is m/n ?

- A. 1
- B. $\sin\theta \cos\theta$
- C. $\sec\theta \csc\theta$.
- D. $\cot\theta + \tan\theta$

Answer: B

Q61. M is the son of N. O is the father of N. P is the father of M. How is N related to P?

- A. Wife
- B. Husband
- C. Father
- D. Mother

Answer: A

Q62. What is sepak Takraw?

- A. A Bird
- B. An ancient hunting team in Malayasia
- C. Kick Volleyball
- D. A type of Combat Flight

Answer: C

Q63. X, Y and Z take 18 days to complete a piece of work. If X works alone he finishes the work in 36 days and if Y works alone he finishes it in 60 days. How long will it take Z to complete the work alone?

- A. 78 days



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- B. 90 days
- C. 96 days
- D. 414 days

Answer: B

Q64. Which is capital of Sri Lanka?

- A. Colombo
- B. Kandy
- C. Jayawardenepura Kotte
- D. Anuradhapura

Answer: C

Q65.

Solve: $\frac{\sin\theta}{1+\cos\theta} + \frac{1+\cos\theta}{\sin\theta} = ?$

- A. $\tan\theta$
- B. $\cot\theta$
- C. $2/\sin\theta$
- D. $2/\cos\theta$

Answer: C

Q66. The Panchatantra fables are thought to be composed by

- A. Mullah Nasruddin
- B. Vishnu Sharma
- C. King Sudharshan

- D. Tenali Raman

Answer: B

Q67. What was the code name of the nuclear test conducted by India in Pokhran in 1998 ?

- A. Operating Desert Storm
- B. Operating Vijay
- C. Operating Shakti
- D. Operating Kaboom

Answer: C

Q68. What An assertion (A) and a reason (R) are given below. Assertion (A): Penguins are birds, found in the hottest regions of the earth. Reason (R): Birds in hot regions do not have wings.

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. Both A and R are false

Answer: D

Q69. Who is Anjolie Ela Menon?

- A. An Indian politician
- B. Bharatanatyam dancer
- C. A popular musician



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D. Indian Female Artist

Answer: D

Q70. The sum of the digits of a 2 digit number is 9. When 27 is added to the number, the digits get interchanged. Find the number.

- A. 45
- B. 36
- C. 18
- D. 27

Answer: B

Q71. Find the missing (?) in the series

13, 14, 18, 27, ?, 68, 104.....

- A. 36
- B. 41
- C. 43
- D. 54

Answer: C

Q72. Kitty said "Uthara is one of the two daughters of my mother's brother's wife". How is Kitty's mother related to Uthara's sister?

- A. A Maternal Aunt
- B. Mother
- C. Grandmother
- D. Sister

Answer:A

Q73. One angle of a triangle is 55°. If the other two angles are in the ratio 9:16, find the angles?

- A. 65 and 115
- B. 90 and 160
- C. 55 and 165
- D. 45 and 80

Answer: D

Q74. Which contemporary painter made a series of paintings on Mahatma Gandhi?

- A. Atrulta Shergill
- B. Ram Kinkar
- C. M.F. Hussain
- D. Atul Doliya

Answer: D

Q75. "Tranvancore Cup" is associated with which sports?

- A. Lawn Tennis
- B. Table Tennis
- C. Badminton
- D. Football

Answer: B

Q76. If HOUSES = Gnaydr, then DIARY = _____

- A. CHGXZ
- B. CHEWZ



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- C. CHGXX
D. CHEWX

Answer: C

Q77. What does "Satyameva Jayate" mean?

- A. "Truth alone triumphs
B. "True Faith is Rare
C. "Truth is Divine
D. "Truth is a Treasure

Answer: A

Q78. Male is the capital of which Country?

- A. Mauritius
B. Lakshadweep
C. Maldives
D. Malayasia

Answer: C

Q79. Select the alternative that does not have a similar relationships as the given pair

Forward : Backward

- A. Hope : Despair
B. Love: Hate
C. Anger : Wrath
D. Light : Dark

Answer: A

Q80. A statement followed y some conclusions are given below.

Statement: Religions tech the guiding principle for leading one's life.

Conclusions :

- I. Religions is a way of life
II. Religion is a teacher

Answer: C

Q81. IF H_2O : Hydrogen then KOH : _____

- A. Cobalt
B. Phosphorous
C. Potasssium
D. Krypton

Answer:C

Q82.

Simplify: $\frac{9}{13} \div \frac{18}{26} \div \frac{90}{52}$

- A. 45/26
B. 13/45
C. 26/45
D. 45/13

Answer: C

Q83. Zero degree centigrade is equal to what degree Fahrenheit?



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- A. 100°F
- B. 30°F
- C. 34° F
- D. 32° F

Answer: D

Q84. IF SHELF is FURYS, then ZEBRA is

- A. NRMEO
- B. MRNEO
- C. NROEM
- D. MRPEN

Answer: D

Q85. What is the normal resting heart rate range for adults, (beats/min)?

- A. 60 to 100
- B. 50 to 80
- C. 120 to 180
- D. 75 to 120

Answer: A

Q86. Q's father is B's son-inlaw. C is Q's sister and the daughter of P. P is the maternal aunt of D. How is P related to B?

- A. Son
- B. Daughter
- C. Grandson

- D. Granddaughter

Answer: B

Q87. Who was the first woman to reach summit of Mt. Everest?

- A. Bachendri Pal
- B. Junko Tabei
- C. Arunima Sinha
- D. Premlata Agarwal

Answer: B

Q88. 6 carpenters make 96 windows in 16 days. If 8 carpenters work for 4 days how many windows will they make?

- A. 16
- B. 28
- C. 36
- D. 12

Answer: D

Q89. A factory produced 18,58,509 cassettes in the month of January, 7623 more cassettes in the month of February and owing to short supply of electricity produced 25,838 less cassettes in March than in February. Find the total production in all?

- A. 55,57,312
- B. 59,83,245
- C. 53,64,935



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D. 56,08,988

Answer: C

Q90. _____ is the first woman to head a public sector bank.

- A. Arundhati Bhattacharya
- B. Shikha Sharma
- C. Chanda Kochar
- D. Usha Ananthasubramanyan

Answer: (a)

Q91. Statement followed by some conclusions are given below:

Statements:

- A. Confusion causes mental tension
- B. Mental tension causes anxiety.

Conclusions :

- I. Anxiety is a disease.
- II. Confusion leads to anxiety

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

- A. Only conclusion I follows
- B. Only conclusions II follows
- C. Both I and II follows
- D. Neither I nor II follows

Answer: B

Q92. If Mango lemon and melon are fruits' is written as 439516; 'Mango and lemon are yellow' is 04396 and 'Melon is green is 857, which digit is represents 'melon'?

- A. 5
- B. 8
- C. 7
- D. Cannot be determined

Answer: A

Q93. Find the missing (?) in the series

AIQ, BJR, CKS, DLT, ? , _____

- A. ENU
- B. EMV
- C. ENV
- D. EMU

Answer: D

Q94. Sanjay and Janeob start running in opposite directions from the same point at speeds of 7m/s and 5 m/s. After 42 minutes how far would they be from each other ?

- A. 30.24 Km
- B. 504 Km
- C. 8.4 Km
- D. 69.5 Km

Answer: A



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Q95. 10 'Line of Blood' is a book written by whom?

- A. Bairaj Khanna
- B. Ursula Vernon
- C. Amal El-Mohtar
- D. Diksha Basu

Answer: a

Q96. Find the difference between compound interest and simple interest on 5000 for 2 years at 8% p.a payable annually.

- A. 45
- B. 32
- C. 57
- D. 84

Answer:B

Q97. Solve: $12[26 - \{2 + 5 \times (6 - 3)\}]$

- A. 2
- B. 3
- C. 7
- D. 8

Answer: B

Q98. Abdul prepared 42 litres of medicine and filled in bottles of 280 ml each. Find how many bottles would be required?

- A. 15
- B. 1500

C. 150

D. 300

Answer: C

Q99. The LCM of two consecutive even number is 144, find the numbers is 144, find the number ?

- A. 16 and 18
- B. 14 and 16
- C. 18 and 20
- D. 22 and 24

Answer: A

Q100. The Dibru-saikhowa , Nameri and Orang National Park are all found in which state?

- A. Andhra Pradesh
- B. Assam
- C. Uttrakhand
- D. Arunachal Pradesh

Answer: B



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