RRB NTPC Previous Year Paper 15

Q1. If, "how are you' is written as 'ne ki se' and 'where are you' as 'ne bl se' and 'you were here' as 'ke ne jo', then 'how you here' is written as
(a) ke ki ne
(b) se ne ki
(c) ne bl ke
(d) bl se ne

Q2. _____ is not a type of heat transfer.
(a) Diffusion
(b) Reflection
(c) Convection
(d) Radiation

Q3. International Women's day is celebrated on____March every year.
(a) 6th
(b) 7th
(c) 8th
(d) 9th

Q4. Replace # sign with the mathematical operators '+', '+', '–' or '=' to a balanced equation out of 186 # 31 # 36 # 30.
(a) + + =
(b) – = +
(c) – + ÷
(d) + = –

Q5. Triangle PQR is such that PQ=9 cm, QR=6 cm, PR=7.5 cm and triangle PQR is similar to triangle XYZ. If XY=18 cm, find the value of YZ.
(a) 15 cm
(b) 18 cm
(c) 12 cm
(d) 9 cm

Q6. _____ is used as a stabilizer in ice cream.
(a) Gelatin
(b) Sugar
(c) Milk
(d) Strawberry

Q7. The major ingredient of sweetened soft drink is
(a) Carbonated water
(b) Hydrochloric acid
(c) Phosphoric acid
(d) Caffeine

Q8. Rs. 10000 is being compounded at 20% per annum. Calculate the amount after 2 years if rate of interest is charged half yearly.
(a) Rs. 10041
(b) Rs. 14641
(c) Rs. 12000
(d) Rs. 13660

Q9. Pakistani film industry is known as _____.
(a) Pollywood
(b) Lollywood
(c) Kollywodd
(d) Mollywood

Q10. The mean of a distribution is 18 and the standard deviation is 4.5. What is the value of the coefficient of variation?
(a) 50%
(b) 25%
(c) 100%
(d) 75%

Q11. If $a^3+b^3+c^3-3abc=0$, then find the value of $(a^2/bc+b^2/ac-3)$.
(a) $-c^2/ab$
(b) $-c^2/bc$
(c) $-c^3/ba$
(d) $-c/a$

12. Pointing to a woman, I said that her brother's only son is the brother of my wife. How is the woman related to me?
(a) Father-in-law's sister
(b) Mother-in-law
(c) Sister-in-law
(d) Sister

Q13. Which of the following states does not share a border with Myanmar?
(a) Assam
(b) Mizoram
(c) Nagaland
(d) Manipur

Q14. Geographical Indication (GI) is related to _____ having unique geographic origin and evolution over centuries.
(a) Hills
(b) Mountain ranges
(c) Plains
(d) Products

Q15. In March 2016 Election Commission of India declared assembly elections in_____states scheduled for April–May 2016.
(a) 3
(b) 7
(c) 5
(d) 6

Q16. 10 persons can do a job in X days. If 20 persons with twice the efficiency can do the same job in 5 days, then find the value of X?
(a) 40
(b) 15
(c) 20
(d) 30

Q17. P can do a piece of work in 60 days & Q can do the same work in 50 days. Find the raio of working efficiencies of P to Q.
(a) 1/3
(b) 6/5
(c) 5/6
(d) 4/5

Q18. A kite is flying at a height of 50m. If the length of string is 100m then the inclination of string to the horizontal ground in degree measures is:
(a) 90
(b) 45
(c) 60
(d) 30

Q19. Retinol is mainly related to _____.
(a) Vitamin A
(b) Vitamin B
(c) Vitamin D
(d) Vitamin E

Q20. A lady said that father of Rahul's father is my father. How is the lady related to Rahul?
(a) Mother
(b) Paternal aunt
(c) Sister
(d) Niece

Q21. Bollywood actor_____has been selected for the 47th Dadasaheb Phalke Award for 2015.
(a) Dilip Kumar
(b) Manoj Kumar
(c) Rajinikanth
(d) Anupam Kher

Q22. Read the given statement carefully and answer the question.

A group of people getting together casually without prior planning and in a relaxed manner is called informal gathering.

Which of the following situations better fits the above statement?

(a) A group celebrates every month on salary day.

(b) Invitees gather on the occasion of wedding reception.

(c) Soon after the release of mark list, top 10 rankers gather to greet each other.

(d) People gather to witness beating retreat at Wagah border in Amritsar.

Q23. Sleep apnea is related to _____ while sleeping.

(a) Walking

(b) Talking

(c) Snoring

(d) Smiling

Q24. Boiling point of water is_____.

(a) 210°F

(b) 212°F

(c) 214° F

(d) 208° F

Q25. Circumvent : Bypass :: Comprehensible: _____

(a) Understandable

(b) Unclear

(c) Grasping

(d) Apprehend

Q26. Find the sum of first 8 odd prime numbers.

(a) 77

(b) 98

(c) 75

(d) 100

Q27. If a=2b/3, b=2c/3, and c=2d/3, then find the ratio of b and d:

(a) 8/9

(b) 4/9

(c) 4/3

(d) 5/27

Q28. Windows 10 is

(a) an utility software.

(b) a browser.

(c) an application software.

(d) an operating system.

Q29. One of the techniques used for desalination of sea water is

(a) Filtration

(b) Distillation

(c) Evaporation

(d) Condensation

Direction (30-32); The following table represents the number of fans of stars MSD, VK, RD and SR in different areas of a town. Consider the information and answer the following questions based on it.

	Area 1	Area 2	Area 3	Area 4
VK	2500	1700	2300	5000
MSD	3000	3000	4000	3100
RD	1500	3500	4500	5200
SR	1500	4000	3500	2500

30. What is the difference between the numbers of fans of Area 2 to that of Area 3?
(a) Area 2 has 2200 more fans
(b) Area 2 has 2100 less fans
(c) Area 2 has 2100 more fans
(d) Area 2 has 2200 less fans

Q31. What is the difference between the total number of fans of SR and MSD?
(a) 1500
(b) 1600
(c) 3000
(d) 3200

Q32. In all, who has the highest number of fans?
(a) VK
(b) MSD
(c) RD
(d) SR

Q33. Echocardiogram is more closely related to
(a) Doppler effect
(b) Zeeman effect
(c) Photoelectric effect
(d) Magnetic effect

Q34. Statements followed by some conclusions are given below.
Statements:
1. Compulsive online shopping has become a common behavior among youngesters.
2. This is evident from most of those seeking counseling for de-addiction.
Conclusions:
I. All youngesters are addicted online shopping.
II. II. All youngesters seek counseling for de-addiction.
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

Q35. In a mixture 25 litres, the ratio of milk and water is 4:1. How many litres of milk must be added to make the ratio 16:1?
(a) 21
(b) 25
(c) 60
(d) 36

Q36. World Wetlands day is celebrated every year on_____February.
(a) 2nd
(b) 3rd
(c) 4th
(d) 5th

Q37. Night blindness : Sight :: _____: Speech
(a) Talk
(b) Stutter
(c) Speak
(d) Lecture

Q38. Davis Cup 2015 final was held in _____.
(a) UK
(b) Australia
(c) Belgium
(d) Argentina

Q39. Mohan starts to calculate sum of all odd natural number less than 83. What result does he get?
(a) 1456
(b) 1681
(c) 1437
(d) 1671

Q40. 'Start' menu in a standard personal computer is
(a) Part of the hardware
(b) A set of options and commands
(c) Nothing but the status bar
(d) Network related

Q41. If the mathematical operator '÷' means '×', '+' means '−', '×' means '+' and '−' means '÷', then $24+48−12×4÷2=$?
(a) 6
(b) −6
(c) 16
(d) 28

Q42. Avalanche: Ice :: Volcano : _____
(a) Lava
(b) Sand
(c) Heat
(d) Earth

Q43. The process of reducing the milk fat globules size to allow them to stay evenly distributed in milk is called_____.
(a) Standardization
(b) Pasteurization
(c) Homogenization
(d) Fortification

Q44. _____ was the 3ʳᵈ Mughal Emperor of India.
(a) Humayun
(b) Akbar
(c) Aurangzeb
(d) Jahangir

Q45. Velocity of a car does not depend on
(a) Speedometer
(b) Change in direction
(c) Change in speed
(d) Change in acceleration

Q46. The Colosseum, known as the Flavian Amphitheatre, is located in_____.
(a) Venice
(b) Rome
(c) Milan
(d) Vatican City

Q47. Mukesh got series of discount 30%, 25%, 15% on his shirt. Find out the single equivalent discount.
(a) 52.34%
(b) 38.35%
(c) 55.38%
(d) 57.38%

Q48. In March 2016 National Green Tribunal imposed an initial compensation of Rs. 5 Crore on _____ for tampering with the Yamuna river's flood plains.
(a) Kalki Avatar Foundation
(b) Art of Living Foundation
(c) Emissaries of Divine Light
(d) Sant Nirankari Mission

Q49. The ancient Indian legal document 'Manusmriti' was written in _____.
(a) Tamil
(b) Hindi
(c) Sanskrit
(d) Bengali

Q50. Find the missing (?) in the series:
….., FHJ, KMO, PRT, ?
(a) UVZ
(b) UXZ
(c) UVW
(d) UWY

Q51. India won the 2016 Asia Cup T20 held in Bangladesh by____wicket.
(a) 7
(b) 6
(c) 5
(d) 8

Q52. Kakori train robbery was organized by the _____ in 1925.
(a) Swaraj Party
(b) Indian National Congress
(c) Anushilan Samiti
(d) Hindustan Republican Association

Q53. The mean of 20 observations is 19. One more observation is included and the new mean becomes 20. The 21st observation is:
(a) 20
(b) 30
(c) 40
(d) 42

Q54. Golconda Fort was built during _____.
(a) Vijayanagara Empire
(b) Qutb Shahi dynasty
(c) Satavahana dynasty
(d) Hoysala Dynasty

Q55. Provincial Autonomy was provided by_____.
(a) The Government of India Act 1935
(b) The Montague-Chelmsfort Report
(c) The Government of India Act 1919
(d) The Indian Independence Act 1947

Q56. Who is number 1 in the Forbes 2016 ranking of World's billionaires?
(a) Warren Buffet
(b) Amancio Ortega
(c) Bill Gates
(d) Carlos Slim Helu

Q57. In a factory, 60 workers can stitch 120 m of clothes in 7 days, what length of clothes can be stiched by 70 workers in 5 days?
(a) 100 m
(b) 90 m
(c) 85 m
(d) 110 m

Q58. Which one reveals, more appropriately, functioning of the heart?
(a) Electrocardiogram
(b) Echocardiogram
(c) Stethoscope
(d) Lipid profile

Q59. Given that $(a^2+b^2)=60$, then find the value of $(a+b)^2+(a-b)^2$.
(a) 90
(b) 120
(c) 140
(d) 150

Q60. Mother of K's father is the sister of G. S is the daughter of G. How is S related to K's father?
(a) Cousin sister
(b) Mother
(c) Paternal Aunt
(d) cannot be determined

Q61. A balloon is connected to a meteorological station by a cable of length 130 m, inclined at 60° to the horizontal. Find the height of the balloon from the ground. Assume that there is no slack in cable.
(a) 110.32 m
(b) 173 m
(c) 163.28 m
(d) 112.58 m

Q62. Orbital period of Halley's comet is _____years.
(a) 25
(b) 50
(c) 75
(d) 100

63. Find the greatest number which on diving 1580 and 3800 leaves remainders 8 and 1 respectively.
(a) 262
(b) 131
(c) 65.5
(d) 393

Q64. Which one is not the cause of kidney stone formation?
(a) Drinking more water
(b) Diabetic mellitus
(c) Taking nuts rich in oxalate
(d) Eating lot of stone forming foods

Q65. If the angles of a triangle are in the ratio of 2:3:5, then find the ratio of the greatest angle to the smallest angle.
(a) 7:2
(b) 5:2
(c) 5:3
(d) 3:5

Q66. The annual financial statement prepared under article 112 of the Indian Constitution is called_____.
(a) Public account
(b) Consolidated account
(c) Budget
(d) Revenue account

Q67. Ram travels 4/9th of the total journey by bus, 5/18th by rail and the remaining 10 km on foot. Find the distance of total journey.
(a) 42 km
(b) 90 km
(c) 36 km
(d) 18 km

Q68. If a=5, b=4, c=8 then find the value of $(a^3+b^3+c^3-3abc)/(ab+bc+ca-a^2-b^2-c^2)$.
(a) 15
(b) 17
(c) –17
(d) –15

Q69. The average age of a batch of 19 members is 24 years. If the age of the faculty be included, then the average increases by 4 months. What is the age of the faculty?
(a) 35 years
(b) 30 years 8 months
(c) 37 years 4 months
(d) 32 years 8 months

Q70. Courtroom: Judge :: Stadium : _____
(a) Landlord
(b) Organizer
(c) Referee
(d) Promoter

Q71. The tennis star, _____ was provisionally suspended after testing positive for banned drugs during Australian open 2016.
(a) Maria Sharapova
(b) Serena Williams
(c) Ana Ivanovic
(d) Andy Murray

Direction (72-74): Consider the following information and answer the questions based on it.

QOut of the 75 birders, 15 wanted to see only sunbird, 10 wanted to see only flycatcher, 12 wanted to see both sunbird and nuthatch, 15 wanted to see only bee-eater, 13 wanted to see both sunbird and bee-eater, 5 wanted to see both flycatcher and nuthatch and the remaining wanted to see only nuthatch.

Q72. The difference between the birders who want to see sunbird
and those who want to see flycatcher is
(a) 12
(b) 25
(c) 30
(d) 15

Q73. How many birders wanted to see only one bird?
(a) 30
(b) 40
(c) 45
(d) 50

Q74. The ratio of birders who like nuthatch to those who like bee-eaters is
(a) 11/14
(b) 10/7
(c) 11/20
(d) 30/8

Q75. Find the missing (?) in the series:
9, 4, 16, 6, 36, 9, 81,?
(a) 12
(b) 10
(c) 11
(d) 13

Q76. Charles Wilkinson's English version of Bhagavad Gita was first published in the year
(a) 1685
(b) 1725
(c) 1785
(d) 1885

Q77. A sum of money of Rs. 1000 is lent out in two parts in such a way that the interest on one part at 10% per annum for 5 years is equal to another at 5% for 10 years. Calculate the sum lent out at 5%.
(a) Rs. 500
(b) Rs. 800
(c) Rs. 1000
(d) Rs. 1200

Q78. In a certain code, 329 means 'you ae bad', 419 means 'bad is good' and 195 means 'nothing is bad'. _____ represents good'.
(a) 9
(b) 4
(c) 1
(d) 3

Q79. Any online 'demo' is _____.
(a) An interactive presentation
(b) A non-interactive presentation
(c) Non a sequential presentation
(d) An active user interface

Q80. In a certain code, 324 means 'are you alright', 783 means 'you come home' and 9271 means 'we are at home'. Which digit represents 'come'?
(a) 8
(b) 9
(c) 7
(d) 3

Q81. The game of football is also referred to as _____.
(a) Rugby
(b) Poker
(c) Soccer
(d) Ping-Pong

Q82. Rearrange the jumbled letters to make meaningful words and then select the one which is different.
(a) OMESU
(b) ROTINOM
(c) RETIAW
(d) RETNIRP

Q83. Find the odd pair out.
(a) Nitrogen : Air
(b) Hydrogen: Water
(c) Uranium : Coins
(d) Sulphur : Match stick

Q84. Neeraj purchased a few shirts for his shop at cost prices ranging from Rs. 400 to Rs. 550 and sold at prices ranging from Rs. 450 to Rs. 650. What is the maximum profit that might be made in selling 10 shirts?
(a) Rs. 2800
(b) Rs. 2500
(c) Rs. 2400
(d) Rs. 2000

Q85. As per historical astronomy there are _____ zodiac divisions.
(a) 9
(b) 10
(c) 11
(d) 12

Q86. How much is the maximum % discount that Sheela can offer to her customer on her Marked Price so that she sells her product at no profit or less, if she had already marked her product by 25% more than the cost price?
(a) 25%
(b) 20%
(c) 30%
(d) 40%

Q87. If the standard deviation of a population is 10, what would be the population variance?
(a) 100
(b) 30
(c) 5
(d) 20

Q88. An assertion (A) and a reason (R) are given below.
Assertion (A): Electric wires are generally made of copper.
Reason (R): Copper is a good conductor.
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

Q89. Ram is thrice as fast as Mohan and Mohan is twice as fast as Sohan. The distance covered by Sohan in 42 minutes will be covered by Mohan in:
(a) 18 minutes
(b) 21 minutes
(c) 20 minutes
(d) 22 minutes

Q90. An angle is 60° more than one fifth of its complement. Find the smaller angle in degrees.
(a) 65°
(b) 35°
(c) 25°
(d) 45°

Direction (91- 93); Consider the following information and answer questions based on it.

Seven bottles colored–brown, blue, black, violet, white, indigo and purple are kept in a row, in random order, from left to right such that the–
1. White and purple bottles are not at either extremes.
2. Brown bottle is to the immediate right of violet bottle and to the immediate left of the white bottle.
3. White, violet and brown bottles are not at the center.
4. Black bottle is to the immediate left of purple bottle.
5. Blue bottle is neither second last nor at either extremes.

Q91. Bottles at the extreme right and left ends are
(a) Violet and purple
(b) Indigo and violet
(c) Black and indigo
(d) Black and violet

Q92. Which bottle is at the center of the row?
(a) Black bottle
(b) Indigo bottle
(c) Blue bottle
(d) Purple bottle

Q93. Which of the following statement is correct?
(a) Indigo bottle is to the immediate left of the purple bottle.
(b) Blue is to the immediate right of the purple bottle.
(c) There are at least five bottles between brown and black.
(d) Black bottle is to the immediate right of the blue bottle.

Q94. Statements followed by some conclusions are given below.
Statements:
1. Demand and supply determine the prices of goods and services.
2. When there are too many buyers, prices are pushed up and too many sellers push down prices.
Conclusions:
I. Buyers and sellers determine the prices.
II. Price discovery is market driven.

Find which of the given conclusions logically follows form 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

Q95. Find the value of 6+11+16+21+…..+71.
(a) 539
(b) 561
(c) 661
(d) 639

Q96. The astronomer who discovered planet Pluto was_____.
(a) Sylvain Arend
(b) Joseph Asbrook
(c) Edwin Hubble
(d) Clyde Tombaugh

Q97. Read the given statements carefully and answer the question.
Statement: The main reasons behind cyber criminals using international phone numbers to cheat the public, by asking their secured credit card details are
(i) it is easy to convince people and
(ii) it is difficult to trace the calls coming from foreign countries.
Which of the following is true according to the given statement?
(a) There are only two reasons behind such calls.
(b) People have full faith in foreign calls.
(c) It is not possible to trace foreign calls.
(d) Cyber criminals prefer international calls to cheat gullible people.

Q98. Three numbers are in the ratio of 3:5:10 and their LCM is 630. Find their HCF.
(a) 21
(b) 42
(c) 63
(d) 36

Q99. 3 years ago, the ratio of Maya's and Shikha's age was 5:9 respectively. After 5 years, this ratio would become 3:5. Find present age of Maya?
(a) 40
(b) 45
(c) 43
(d) 53

Q100. If 'god is fair' = 'ge se fa', 'who is god'= 'ge we fa' and 'you are god' = 'ne le fa', which code does represent 'is'?
(a) se
(b) ge
(c) fa
(d) we