RRB NTPC Previous Year Question Paper Mock

Q1. Santosh Trophy is associated with which of the following sports?
(a) Cricket
(b) Football
(c) Hockey
(d) Basket ball

Q2. Two numbers are in the ratio 21:29 and their HCF is 8, find their LCM.
(a) 4872
(b) 168
(c) 232
(d) 4782

Q3. Which of the following is NOT an application of Fiber optics?
(a) Power Generation
(b) Computer Networking
(c) Sensors
(d) Power Transmission

Q4. In the question two statements are given, followed by two conclusions, I and II. You have to consider the statements to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.
Statement I: Some games are sports
Statement II: No exercise are games
Conclusion I: All sports are exercise
Conclusion II: Some exercise are sports
(a) Only conclusion I follows
(b) Only conclusion II follows
(c) Both conclusions I and II follow
(d) Neither conclusion I nor conclusion II follows

Q5. In 1969, who among the following was a part of crew of spaceflight Apollo-XI?
(a) Yuri Gagarin
(b) Pete Conrad
(c) Alan Shepard
(d) Neil Armstrong

Q6. Which of the following Newton's laws of motion can explain why a ball thrown at a wall rebounds?
(a) 1st law of motion
(b) 2nd law of motion
(c) 3rd law of motion
(d) Neither of the laws

Q7. Which is the correct ascending order of the given numbers?
(a) $\frac{1}{2}, \frac{2}{3}, \frac{7}{12}$
(b) $\frac{7}{12}, \frac{2}{3}, \frac{1}{2}$
(c) $\frac{1}{2}, \frac{7}{12}, \frac{2}{3}$
(d) $\frac{2}{3}, \frac{1}{2}, \frac{7}{12}$

Q8. Karteek is twice as good a foreman as Raju and together they finish a piece of work in 20 days. In how many days will Raju alone finish the work?
(a) 40
(b) 60
(c) 80
(d) 50

Q9. Choose the pair which is related in the same way as the words in the first pair from the given choices.
NESTS: BIRDS :: _____ : LION
(a) DWELLING
(b) BUSH
(c) FOREST
(d) DEN

Q10. The median of the data $1, \frac{1}{2}, \frac{1}{2}, \frac{3}{4}, \frac{1}{4}, 2, \frac{1}{2}, \frac{1}{4}, \frac{3}{4}$ is:
(a) $\frac{1}{4}$
(b) $\frac{1}{2}$
(c) $\frac{1}{6}$
(d) $\frac{3}{4}$

Q11. If MARS is written as 5426, YELLOW is written as 137789, how is ROSE coded in that coded in that code?
(a) 2863
(b) 2869
(c) 2852
(d) 2867

Q12. Tom Hanks is associated with which of the following?
(a) Films
(b) Sports
(c) Music
(d) Science

Q13. Complete the analogy
Nation : capital :: India : ?
(a) Mumbai
(b) Delhi
(c) Kolkata
(d) Chennai

Q14. Which of the following awards is Sachin Tendulkar NOT awarded with?
(a) Bharat Ratna
(b) Dhyan Chand Award
(c) Padma Vibhushan
(d) Rajiv Gandhi Khel Ratna

Q15. If the product of two numbers is 2646 and their LCM is 42 then their HCF is:
(a) 64
(b) 26
(c) 46
(d) 63

Q16. Which out of the following is not a launch vehicle of India for placing satellites in the orbit?
(a) PSLV
(b) GSAT–8
(c) GSLV
(d)ASLV

Direction (17–19): Read the following passage and answer the question based on it.
(i) Vijay, Vinod, Vikas, Vasu, Vaibhav, Varun and Vishal are sitting around a circle facing at the center.
(ii) Vasu is the third to the right of Vikas.
(iii) Varun is second to the left of Vijay and second to the right of Vishal.
(iv) Vaibhav is third to the right of Vinod and is not an immediate neighbor of Varun.

Q17. Who is second to the right of Vinod?
(a) Vaibhav
(b) Vasu
(c) Vishal
(d) Vikas

Q18. Who is third to the left of Varun?
(a) Vaibhav
(b) Vasu
(c) Vishal
(d) Vikas

Q19. Who is to the immediate right of Vikas?
(a) Vinay
(b) Vishal
(c) Vaibhav
(d) Varun

Q20. In Jan 2016, who among the following was chosen as the new face for Incredible India Campaign?
(a) Amir Khan
(b) Amitabh Bachchan
(c) Shah Rukh Khan
(d) Salman Khan

Q21. Find the odd one out
441, 484, 529, 566, 625
(a) 484
(b) 529
(c) 625
(d) 566

Q22. The length of a diagonal in cms of a rectangle of length 5 Cm and width 6 Cm is:
(a) $\sqrt{61}$
(b) $\pm\sqrt{61}$
(c) $\sqrt{11}$
(d) $\pm\sqrt{11}$

Q23. The heights of a cone and a cylinder are equal. The radii of their bases are in the ratio 2 : 1, the ratio of their volumes is
(a) 4 : 3
(b) 3 : 4
(c) 2 : 1
(d) 1 : 2

Q24. A boat moves down stream at the rate of 8 kmph and upstream at 4 kmph. The speed of boat in still water is
(a) 4.5 kmph
(b) 5 kmph
(c) 6 kmph
(d) 6.4 kmph

Q25. If Tan A=$\frac{15}{8}$ and Tan B $= \frac{7}{24}$, then Cos (A–B)=?

(a) $\frac{297}{425}$

(b) $\frac{304}{425}$

(c) $\frac{87}{425}$

(d) $\frac{416}{425}$

Q26. Which term is not associated with sound wave?
(a) Hertz
(b) Decibel
(c) Candela
(d) Mach

Q27. Which chemical is used in ripening mangoes artificially?
(a) Sulphur Dioxide
(b) Nitrous Oxide
(c) Calcium Carbide
(d) Phosphorous

Q28. The variance of a set of data is 169. Then the standard deviation of the data is:
(a) ± 13
(b) 13
(c) 69
(d) 84.5

Q29. Which among the following is a mismatched pair
(a) Islam : Quran
(b) Sikhism : Guru Granth Saheb
(c) Jainism : Upanishad
(d) Christianity : Bible

Q30.The _____ has emerged as a convenient means of global communication, information sharing and services.
(a) e-books
(b) Internet
(c) Satellites
(d) Public telephone booths

Q31. Interchanging which two signs will make the following equation correct?
42÷ 4+2–3×5=29
(a) + and ×
(b) + and –
(c) – and ×
(d) ÷ and +

Q32. Which among the following cannot be included among greenhouse gases?
(a) Nitrous Oxide
(b) Carbon Dioxide
(c) Methane
(d) Phosphine

Q33. Simplify 4 (x–1)– 3x
(a) 7x–4
(b) 7x+4
(c) x+4
(d) x–4

Q34. Which of the following organ does NOT belong to human excretory system?
(a) Kidneys
(b) Ureters
(c) Uterus
(d) Urethra

Direction (35–37): Read the data given below and answer the questions based on it.

In the CBSE Board exam last year, 53% passed in Biology, 61% percent passed in English, 60% in Social Studies, 24% in Biology and English, 35% in English and Social Studies, 27% in Biology and Social Studies and 5% in none.

Q35. If the number of students in the class is 200, how many passed in only one subject?
(a) 48
(b) 46
(c) More than 50
(d) Less than 40

Q36. What is the percentage of students who passed in all subjects?
(a) 8
(b) 12
(c) 7
(d) 10

Q37. What is the ratio of percentage of students who passed in Biology and Social Studies but not English in relation to the percentage of students who passed oin Social Studies and English but not Biology?
(a) 5:7
(b) 7:5
(c) 4:5
(d) 5:4

Q38. In the question two statements are given, followed by two conclusions, I and II. You have to consider the statements to be true even if it seems to be at variance from commonly known facts. You have to decide which of the given conclusions, if any, follows from the given statements.
Statement I: Some buttons are switches
Statement II: All buttons are connectors
Conclusion I: Some switches are connectors
Conclusion II: Some connectors are buttons
(a) Only conclusion I follows
(b) Only conclusion II follows
(c) Both conclusions I and II follow
(d) Neither conclusion I nor conclusion II follows

Q39. Which one of the following combination of measurements (in cm), can form the sides of a triangle?
(a) 9, 6, 2
(b) 11, 3, 12
(c) 3, 5, 8
(d) 5, 7, 13

Q40. If NOTEBOOK is coded as REGOLEEN, and SHIRT as XYZBG, then TORN is coded as
(a) GZBR
(b) GEBN
(c) GEBR
(d) GOBR

Q41. If signs–and ×, and numbers 3 and 15 are interchanged, what is the value of
3+12÷6 –4×15 is
(a) 20
(b) 30
(c) 40
(d) 50

Q42. In December 2015, which of the following was hailed as an important criteria for contesting Panchayat elections in Haryana?
(a) A functional toilet at home
(b) Minimum education qualification for women is Class 3 pass
(c) Exemption for Non-payment of arrears of electricity bill
(d) Exemption for Non-payment of arrears of cooperative banks

Q43. If the mathematical operator, '+' means '×', '÷ ' means '–', '–' means '+', and '×' means '÷', then the value of
12+14×7–5÷ 29 is
(a) –5
(b) –12
(c) –7
(d) 0

Q44. A shopkeeper wants to earn 33% profit on an article after offering 30% discount. By how much percentage more he should mark the price of his article above cost price?
(a) 90
(b) 63
(c) 69
(d) 72

Q45. Which of the following is NOT a storage device?
(a) Hard Disk
(b) CD ROM
(c) Flash Drive
(d) Modem

Q46.Who of the following founded the Vikramashila University?
(a) Devapala I
(b) Dharmpala
(c) Gopala
(d) Devapala II

Q47. The cash difference between the selling price of an article at a profit of 2% and 16% is Rs. 3. The ratio of two selling prices is:
(a) 51:58
(b) 51:53
(c) 57:58
(d) 55:58

Q48. Find the perimeter (in cm) of a semicircle of radius 14 cm.
(a) 144
(b) 46
(c) 72
(d) 92

Q49. Among the pairs of rivers given below, which flow in the southern part of India?
(a) Krishna and Ganges
(b) Kaveri and Godavari
(c) Narmada and Tapti
(d) Brahmaputra and Yamuna

Q50. Which kind of cell division is used to repair an injury by the body?
(a) Mitosis only
(b) Meiosis only
(c) Both Mitosis and Meiosis
(d) Neither Mitosis nor Meiosis

Q51. Who among the following participated in the 'Chittagong' armoury raid as part of freedom movement?
(a) Ganesh Joshi
(b) Kalpana Chawala
(c) Ananta Waddedar
(d) Preetilata Waddedar

Q52. Which is the correct inverted sequence (last to first) of Mughal Emperors who ruled the Indian Subcontinent?
(a) Akbar, Shah Jahan, Aurangzeb, Bahadur hah II
(b) Aurangzeb, Bahadur Shah II, Shah Jahan, Akbar
(c) Bahadur Shal II, Aurangzeb, Shah Jahan, Akbar
(d) Akbar, Aurangezeb, Shah Jahan and Bahadur Shah II

Q53. If "÷ " denotes "subtraction", "–" denotes "addition", "+" denotes "multiplication" and "×" denotes "division", which of the following is the value of the expression
182÷ 91×7+3−1
(a) 16
(b) 24
(c) 144
(d) 150

Q54. Compute of 1848÷ 231−10?
(a) 2
(b) −2
(c) $\frac{1848}{221}$
(d) $\frac{1884}{221}$

Q55. If SON = 678 and TEN = 948, then STONE=
(a) 69797
(b) 69784
(c) 68784
(d) 69764

Q56. The members of the All India Services serve the -
(a) Central Government only
(b) State Government only
(c) Union Territories only
(d) both the Union and State Governments

Q57. Compute of 29292×9999=?
(a) 222890708
(b) 298290708
(c) 292809708
(d) 292890708

Q58. Which of the following does NOT contribute to sparking of Diamonds?
(a) Total Internal Reflection
(b) High Refractive Index of Diamonds
(c) Dispersion
(d) Low Refractive Index of Diamonds

Q59. About 93% of Tribal women cannot contest for the post of Sarpanch in Rajasthan as they are not educated enough. What are the educational qualifications necessary?
(a) Minimum Qualification is Class 2
(b) Minimum qualification is Class 5
(c) Minimum Qualification is Class 7
(d) Minimum Qualification is Class 10

Q60. Urbanization and unsustainable development in India raised several environmental concerns but NOT one among the following:
(a) Deforestation
(b) Soil degradation
(c) Depletion of natural resources
(d) Erratic monsoon

Q61. HILL : MOUNTAIN :: STREAM : _____
(a) CANAL
(b) GLACIER
(c) RIVER
(d) DAM

Q62. A water tank has two holes. The 1st hole alone makes the tank empty in 3 minutes and 2nd hole alone makes the tank empty in 5 minutes. If water leaks out at a constant rate, how long in minutes does it takes if both the holes together empty the tank?
(a) $\frac{7}{8}$
(b) $2\frac{7}{8}$
(c) $1\frac{5}{8}$
(d) $1\frac{7}{8}$

Q63. If "+" and "×" signs as well as "3" and "2" are interchanged, which one of the following is correct?
(a) 4+2×3=14
(b) 14+3×2=4
(c) 4+2×14=3
(d) 2+3×4=14

Q64. The mean of the data 3, 10, 10, 4, 7, 10, 5 is:

(a) $\frac{18}{7}$

(b) 7

(c) $\frac{39}{7}$

(d) 6

Q65. Given w=−2, x=3, y=0 & z=$-\frac{1}{2}$. Find the value of 2 (w²+x²+y²).

(a) 26

(b) −26

(c) 25

(d) 28

Q66. Ms Sushmitha borrowed Rs. 900 at 6% per annum simple interest. What amount will she pay to clear her debt after 4 years?

(a) 261

(b) 1161

(c) 1116

(d) 216

Q67. The number of sides of a regular polygon whose exterior angles are each 60° is:

(a) 7

(b) 5

(c) 6

(d) 8

Q68. Where in China is the Forbidden City located?

(a) Guilin

(b) Beijing

(c) Shanghai

(d) Guanzho

Q69. Divide Rs. 288 in the ratio 2:3:5:6. The rupees in the respective ratio are given by:

(a) 36, 54, 91 & 107

(b) 36, 54, 89 & 109

(c) 36, 54, 90 & 108

(d) 36, 55, 89 & 108

Q70. Which is the smallest planet in our solar system?

(a) Mercury

(b) Mars

(c) Jupiter

(d) Saturn

Q71. A famous Shiva temple, Pashupatinath is in:
(a) Burma
(b) Bangladesh
(c) Nepal
(d) Tibet

Q72. A newborn human baby is fed with the first secretioin called colostrum from mammary gland. What does colostrum impart?
(a) Factors for growth
(b) Immunity
(c) Sleepiness
(d) Nutrition for development

Q73. The order of rotational symmetry of a parallelogram is:
(a) 1
(b) 4
(c) 2
(d) 0

Q74. Correct expression of $0.126\overline{36}$ =?
(a) $\frac{139}{1100}$
(b) $126\frac{36}{1000}$
(c) $\frac{139}{2200}$
(d) $126\frac{36}{10000}$

Q75. Which acid is secreted by certain glandular cells in the stomach lining?
(a) Hydrochloric
(b) Ethanoic
(c) Formic
(d) Nitric

Q76. Who discovered benzene?
(a) Hal Anger
(b) Michael Faraday
(c) Bruce Ames
(d) Nicolas Appert

Q77. Choose the pair which is related in the same way as the words in the first pair from the given choices.
PIGEON : PEACE :: WHITE FLAG: _____
(a) FRIENDSHIP
(b) VICTORY
(c) SURRENDER
(d) WAR

Q78. To enlarge their hold over India, many wars were fought between British and Indians but NOT one of the following.
(a) Anglo-Maratha
(b) Anglo-Sikh
(c) Anglo-Mysore
(d) Anglo-Bangla

Q79. Which of the following technique is used to know the age of a tree in years?
(a) Counting the number of branches
(b) Counting the number of tree rings
(c) Measuring the size of the bark
(d) Counting the seasons of its flowering

Q80. The Government of Indian in the Month of November 2015 decided to allow foreign portfolio investors (FPIs) to increase stakes in local defence units to 49%. What was the earlier permissible rate?
(a) 10%
(b) 16%
(c) 25%
(d) 24%

Q81. Which of the following is used to detect current in a circuit?
(a) galvanometer
(b) Anemometer
(c) Barometer
(d) Lactometer

Q82. Solve: 2x+4=x–3.
(a) 7
(b) –7
(c) –1
(d) 1

Direction (83–85): The table below represents the number of Executives recruited by six different organization over the years. Read the table and answer the questions based on it.

Organization	P	Q	R	S	T	U
2010	458	512	418	502	476	492
2011	522	536	472	500	482	523
2012	480	495	464	508	488	518
2013	506	506	428	444	490	534
2014	427	485	422	512	510	498
2015	792	488	444	499	512	510

Q83. What is the average number of executives recruited by company S over the years (approximately).
(a) 494
(b) 482
(c) 514
(d) 506

Q84. In 2014 No. of executives recruited by company T are by how much percent more than the previous year?
(a) 4%
(b) 5%
(c) 3%
(d) 6%

Q85. What is the total number of executives recruited by all the organizations together in the year 2012?
(a) 2864
(b) 2953
(c) 3042
(d) 2927

Q86. Compute of 15872/32/4=?
(a) 142
(b) 1984
(c) 124
(d) 1948

Q87. Which of the following is NOT based on principle of relationship between volume and pressure of air?
(a) Fountain pen
(b) Bicycle pump
(c) Hand pump
(d) Pulley

Q88. A satellite airtime bill costs Rs. 8 for 5 minutes 40 seconds. What is the cost in rupees for 4 minutes 20 seconds? (Round upto one decimal).
(a) 6.1
(b) 6
(c) 6.2
(d) 6.3

Q89. If UPTO is coded as PTUO, how is CANT coded?
(a) NCTA
(b) ANCT
(c) ANTC
(d) NTCA

Q90. The village 'Lambanisingi' is an upcoming tourist attraction where temperature drops to zero or below zero in December and January. Lambanisingi is in:
(a) Maharashtra
(b) Uttarakhand
(c) Andhra Pradesh
(d) Haryana

Q91. BACTERIA : ILLNESS :: _____ : _____
(a) MEDICINE : GERMS
(b) CALCIUM : BONE
(c) KNIFE : LACERATION
(d) FLOOD : DAM

Q92. An assertion and a reason are given below.
Assertion: When velocity is kept constant and wavelength is halved, then the frequency is doubled.
Reason: Velocity=Frequency×Wavelength.
Choose the answer.
(a) Both Assertion and Reason are true and Reason is the correct explanation of Assertion.
(b) Both Assertion and Reason are true but Reason is not the correct explanation of Assertion.
(c) Both Assertion and Reason are false.
(d) Assertion is true but Reason is false.

Q93. To pinpoint a Criminal, Forensic Department uses the technique called?
(a) DNA Editing
(b) DNA Splicing
(c) DNA Fingerprinting
(d) DNA Amplification

Q94. Computers cannot work without:
(a) Scanner
(b) Internet
(c) Mouse
(d) CPU

Q95. What is the capital of Syria?
(a) Damascus
(b) Bahrein
(c) Adis Ababa
(d) Doha

Q96. Simplify: $(27)^{\frac{-2}{3}}$
(a) 1/18
(b) 9
(c) 1/9
(d) 18

Q97. Which of the following is at the second trophic level of a food chain?

(a) Grass
(b) Rats
(c) Snake
(d) Eagle

Q98. The title of Persian translation of the Mahabharata is: _____.

(a) Anwar-e-Suhaili
(b) Razmanama
(c) Hasht Bahisht
(d) Ayar Danish

Q99. If $\text{Sin } x = \frac{4}{5}$, then $1 + \text{Tan}^2 x =$

(a) $\frac{9}{25}$
(b) $\frac{25}{16}$
(c) $\frac{4}{25}$
(d) $\frac{25}{9}$

Q100. If LOW is coded as 468, BOW as 768 and SOWS as 3683, then the code of BOWLS is

(a) 76843
(b) 76890
(c) 63387
(d) 36891