

## RRB - Model Paper

### General Studies & Current Affairs

1. Autumnal Equinox occurs on?
  - 1) September 22
  - 2) September 23**
  - 3) October 22
  - 4) October 23
2. Atmosphere has how many distinct layers?
  - 1) 3
  - 2) 4
  - 3) 5**
  - 4) 6
3. newton is used to measure?
  - 1) Speed
  - 2) Volume
  - 3) Force**
  - 4) Area
4. The most electronegative element among the following is....?
  - 1) sodium
  - 2) bromine
  - 3) fluorine**
  - 4) oxygen
5. What is Anthology.....?
  - 1) Study of flower and flowering plant.**
  - 2) Study of blood vascular system.
  - 3) Study of male reproductive organ.
  - 4) Study of Bryophytes
6. Ozone is present in which of the following layers ?
  - 1) Mesosphere
  - 2) Stratosphere**
  - 3) Mesosphere
  - 4) Thermosphere
7. Radian is used to measure
  - 1) Temperature
  - 2) Intensity of Flame
  - 3) Angle**
  - 4) Solid Angle

8. radian per second is unit of....?
  - 1) Momentum
  - 2) Moment of Inertia
  - 3) Frequency
  - 4) Angle Velocity**
9. Normal human blood is :?
  - 1) Neutral
  - 2) Acidic
  - 3) Alkaline**
  - 4) None of above
10. What is unit of Work and Energy?
  - 1) Joule**
  - 2) Kilogram
  - 3) Ampere
  - 4) meter
11. Aspirin is....?
  - 1) acetyl salicylic acid**
  - 2) sodium salicylate
  - 3) methyl salicylate
  - 4) ethyl salicylate
12. The oxide of Nitrogen used in medicine as anaesthetic is ?
  - 1) Nitrogen pentoxide**
  - 2) Nitrous oxide
  - 3) Nitric oxide
  - 4) Nitrogen dioxide
13. Which one of the following metals does not react with water to produce Hydrogen?
  - 1) Cadmium**
  - 2) Lithium
  - 3) Potassium
  - 4) Sodium
14. The most abundant constituent of atmospheric air is ?
  - 1) Oxygen
  - 2) Hydrogen
  - 3) Carbon
  - 4) Nitrogen**
15. Who is known as father of Genetics ?
  - 1) Morgan
  - 2) Henry
  - 3) G.J. Mandel**

4) F.B. Morrison

16. Breeding and management of bees is known as :

- 1) Sericulture
- 2) Apiculture**
- 3) Silviculture
- 4) Pisciculture

17. Among following which gas availability is more in atmosphere ?

- 1) Oxygen
- 2) Argon
- 3) Carbon dioxide
- 4) Nitrogen**

18. Pyorrhoea is a disease of the...?

- 1) nose
- 2) gums**
- 3) heart
- 4) lungs

19. Placenta is the structure formed :?

- 1) by fusion of germ layers
- 2) by foetus only
- 3) by the union of foetal and uterine tissue**
- 4) by uterine only

20. unit of Pressure is...?

- 1) newton second
- 2) pascal**
- 3) watt
- 4) newton per meter

21. Phloem tissue is found in ?

- 1) Plants**
- 2) Insects
- 3) Mammals
- 4) All of above

22. Myopia is connected with ?

- 1) ears
- 2) lungs
- 3) eyes**
- 4) None of these

23. Atomic number is equal to...?

- 1) Number of electrons

- 2) Number of neutron
- 3) **Number of protons**
- 4) Total number of protons and neutrons

24. Study of internal structure of organism is called :?

- 1) Agrostology
- 2) Agronomy
- 3) **Anatomy**
- 4) Agrology

25. Microsoft has selected which city for its pilot projects in Digital India initiative?

- 1) Surat
- 2) Kolkata
- 3) **Varanasi**
- 4) Allahabad

26. The Korba coalfield is located in

- 1) Orissa
- 2) West Bengal
- 3) **Chhattisgarh**
- 4) Assam

27. The Hindu Mahasabha was organized for the first time in 1914 at \_\_\_\_

- 1) **Haridwar**
- 2) Allahabad
- 3) Varanasi
- 4) None of the above

28. Which country topped the 2015 Global Prosperity Index?

- 1) Switzerland
- 2) **Norway**
- 3) Denmark
- 4) Sweden

29. What is the minimum and maximum investment allowed under the Sovereign Gold Bond Scheme (SGBS) 2015?

- 1) **2 grams and 500 grams of physical gold**
- 2) 5 grams and 400 grams of physical gold

- 3) 2grams and 400 grams of physical gold
  - 4) 5 grams and 500 grams of physical gold
30. During the company rule, the Hindu Widows Remarriage Act was drafted by\_\_ ?
- 1) Lord Canning
  - 2) Lord Dalhousie**
  - 3) Lord Hardinge
  - 4) None of the above
31. Indian origin Harjit Sajjan has been sworn in as Defence Minister of which country?
- 1) Australia
  - 2) Mauritius
  - 3) Canada**
  - 4) Singapore
32. Which was the host country of recent ASEAN Defence Ministers Meeting (ADMM)-Plus?
- 1) Malaysia**
  - 2) Indonesia
  - 3) Vietnam
  - 4) Singapore
33. The Treaty of Alinagar was signed in \_\_\_\_?
- 1) February 1756
  - 2) September 1756
  - 3) February 1757**
  - 4) April 1757
34. The 52nd amendment to the constitution of India is most closely related to \_\_
- 1) Extension of Reservations in Government Jobs

- 2) Provision for special status to Tripura
- 3) Provisions for increasing age of eligibility for voting
- 4) **Provisions against political defections**

35. Who is the author of the book titled – ‘Rebooting India: Realizing a Billion Aspirations’?

- 1) Satyarth Joshi
- 2) **Nandan Nilekani**
- 3) Ratan Tata
- 4) Vishal Sikka

36. Who has been nominated as life President of the Hockey India?

- 1) **Vidya Stokes**
- 2) Sharad Pawar
- 3) Mukhal Roy
- 4) Manpreeth Singh

37. The second Five Year plan was based on

- 1) **Mahalanobis Model**
- 2) Vakil and Brahmananda's Wage -Goods Model
- 3) Harrod - Domar Growth Model
- 4) Solow Growth Model

38. The main source of National Income in India is

- 1) **Service Sector**
- 2) Agriculture
- 3) Industrial Sector
- 4) Trade Sector

39. Which of the following ministries has launched UDAY scheme?

- 1) Ministry of Minority Affairs
  - 2) Ministry of Law and Justice
  - 3) Ministry of Power**
  - 4) Ministry of Shipping
40. Who wrote a book describing the theory of economic drain of India during British rule
- 1) Late lajpat rai
  - 2) Mahatma Gandhi
  - 3) Jawaharlal Nehru
  - 4) Dadabhai naoroji**
41. National Income estimates in India are prepared by
- 1) Planning Commission
  - 2) Reserve Bank of India
  - 3) Central statistical organization**
  - 4) Indian statistical Institute
42. Who among the following is current Chinese Vice President?
- 1) Wang Yong
  - 2) Li Yuanchao**
  - 3) Yang Jing
  - 4) Li Keqiang
43. The statement "Like summer gale revolt of Meerut was unprecedented and short-lived" was made by \_\_\_?
- 1) S. N. Sen**
  - 2) R. C. Majumdar
  - 3) S. B. Chaudhuri
  - 4) Savarkar
44. The First President of Muslim League was \_\_\_?
- 1) Nawab Viqar-ul-Mulk Mustaq Hussain**

- 2) Mian Abdul Aziz
  - 3) Hidayat Hussain Khan
  - 4) Mohammad Ali Jinnah
45. Which party observed the “Black Day” on July 3, 1947 against Partition of India?
- 1) Indian National Congress
  - 2) Forward Bloc
  - 3) Hindu Mahasabha**
  - 4) Communist Party of India
46. Who was elected the President of Indian National Congress in the famous Tripuri Session of 1939?
- 1) Acharya Narendra Deo
  - 2) Sarat Chandra Bose
  - 3) Subhash Chandra Bose**
  - 4) Maulana Abul Kalam Azad
47. Which state has launched APJ Abdul Kalam Amrut Yojna?
- 1) Madhya Pradesh
  - 2) Gujarat
  - 3) Tamil Nadu
  - 4) Maharashtra**
48. In which among the following cases, the Supreme Court of India propounded the theory of basic structure of the Constitution?
- 1) Gopalan vs. State of Madras
  - 2) Golak Nath
  - 3) Keshvanand Bharati**
  - 4) Minerva Mills
49. Who among the following can remove the governor of a state from office?
- 1) Legislative Assembly
  - 2) Parliament
  - 3) President**
  - 4) Supreme Court
50. The Part VI of constitution of India is not applicable to \_\_\_



- 1) Arunachal Pradesh
- 2) **Jammu & Kashmir**
- 3) Sikkim
- 4) Goa

### NUMERICAL ABILITY

Directions (51-55): Study the following table and answer the questions given below.

The following table details the revenue of three major Indian software companies A, B and C and total revenue of all Indian software companies from 2008 to 2012.

Year	A (in crores)	B (incrores)	C (in crores)	Total (including all companies)
2008	587	897	303	1891
2009	1030	1135	410	2660
2010	1275	1531	510	3460
2011	1820	2070	700	4720
2012	2400	2800	1025	6300

51. What is the simple growth rate of the total revenue from 2008 to 2012?

- 1) **233%**
- 2) 258%
- 3) 235%
- 4) 242%

52. Which of the following statements is/are true?

- I. The revenue has shown the highest growth rate for company B.

- II. If revenues of company C grows at the same rate from 2013 to 2017 as 2008 to 2012, then output in 2017 will be Rs.2100 crore.
- III. The ratio of revenues of company A and C in 2010 is 1:4.

- 1) Only I
- 2) Only II
- 3) Only III
- 4) None of these**

53. If the share of company B's revenue in the total remains same in 2014 as in 2012; and in 2014, the total output is Rs. 9000 cr, the revenue of company B in 2014 is

- 1) Rs.4000 cr**
- 2) Rs.3000 cr
- 3) Rs.2000 cr
- 4) Rs.2500 cr

54. Which of the following statements is/are true?

- I. Revenues of company B grew at a (simple rate of ) 22% per annum from 2008 to 2012.
- II. Total revenue of A, B and C grew at (a simple rate of) 15% per annum on an average from 2008 to 2012..
- III. Revenues of company A is growing fastest during the period shown above.

- 1) Only I
- 2) Only III**
- 3) II and III
- 4) Both I and II

55. What was the total Revenue of software companies other than those mentioned in the table in 2009 in crores?

- 1) 85**
- 2) 75
- 3) 109
- 4) 65

56. If the volume and the base area of a right circular cone  $48\pi$  and  $12\pi$  respectively, then the height of the cone is

- 1) 10cm
- 2) 6cm
- 3) 8cm
- 4) 12cm**

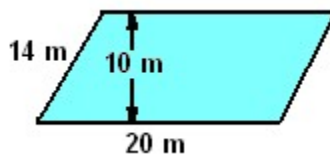
57. The surface area of two spheres are in the ratio of 9:25. Then the volume are in the ratio

- 1) 27:75
- 2) 27:125**
- 3) 81:625
- 4) 729:625

58. If the surface area of a sphere is  $100\pi$ , then its radius is equal to

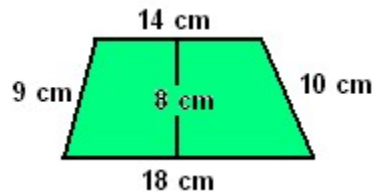
- 1) 25cm
- 2) 100cm
- 3) 5cm**
- 4) 10cm

59. Find the area of the parallelogram shown.



- 1)  $140\text{m}^2$
- 2)  $200\text{m}^2$
- 3)  $240\text{m}^2$**
- 4)  $280\text{m}^2$

60. Find the area of the trapezoid shown.



- 1) **128 cm<sup>2</sup>**
- 2) 252 cm<sup>2</sup>
- 3) 256 cm<sup>2</sup>
- 4) 324 cm<sup>2</sup>

61. A batsman scored 110 runs which included 3 boundaries and 8 sixes. What percent of his total score did he make by running between the wickets?

- 1) 45(6/11) %
- 2) 45(7/11) %
- 3) **45(5/11) %**
- 4) 46(5/11) %

62. In an election between two candidates, one got 55% of the total valid votes, 20% of the votes were invalid. If the total number of votes was 7500, what was the number of valid votes that the other candidate got?

- 1) 3690
- 2) **2700**
- 3) 5720
- 4) 4745

63. Gopal went to the Hospital at the speed of 60 km/hr while returning for his home he covered the half of the distance at the speed of 10 km/hr, but suddenly he realized that he was getting late so he increased the speed and reached the home by covering rest half of the distance at the speed of 30km/hr. The average speed of the Pankaj in the whole length of journey is:

- 1) 5.67 km/hr
- 2) **24 km/hr**
- 3) 22.88 km/hr

- 4) 5.45km/hr
64. Nirmala gets 40 marks out of 50 in Computer Science, 70 out of 100 in Manufacturing science and 142 out of 150 in professional communication. The average marks of Nirmala (in percent) in all the three subjects is:
- 1) **84 %**
  - 2) 76 %
  - 3) 71 %
  - 4) 60 %
65. In a family, the average age of 6 sons is 8 years. The average age of the family including sons, mother and father is 22 years. If the father is 8 years older than the mother then what is the present age of the mother (in years)?
- 1) 44
  - 2) 52
  - 3) **60**
  - 4) 68
66. Find the time taken by a train 180m long, running at 72kmph in crossing an electric pole?
- 1) 8 Sec
  - 2) 7 Sec
  - 3) 6 Sec
  - 4) **9 Sec**
67. A Man travelled a distance of 61 km in 9 hours. He travelled partly on foot at 4 km/hr and partly on bicycle at 9 km/hr. What is the distance travelled on foot?
- 1) **16 km**
  - 2) 14 km
  - 3) 12 km
  - 4) 10 km
68. Buses start from a bus terminal with a speed of 20 km/hr at intervals of 10 minutes. What is the speed of a man coming from the opposite direction towards the bus terminal if he meets the buses at intervals of 8 minutes?

- 1) 3 km/hr
  - 2) 4 km/hr
  - 3) 5 km/hr**
  - 4) 7 km/hr
69. Fifty six men can complete a piece of work in 24 days. In how many days can 42 men complete the same piece of work?
- 1) 18
  - 2) 89
  - 3) 32**
  - 4) 48
70. Dheeraj distributed his total assets to his wife, three sons, two daughters and five grand children in such a way that each grand-child got one -eighth of each son or one -tenth of each daughter, his wife got 40% of the total share of his sons and daughters together. if each daughter recieved asset of worth Rs.1.25 lakh. What was the total worth of assets recieved by his wife and the three grandchildren together?
- 1) Rs. 32500
  - 2) Rs. 257500**
  - 3) Rs. 282500
  - 4) Can't be determined
71. Ram, Shyam and Mohan invested Rs. 54,000, Rs. 36,000 and Rs.7,200 respectively in a business. At the end of the year there was a profit of Rs. 13,500. Find the profit of Mohan
- 1) 5000
  - 2) 1000**
  - 3) 7500
  - 4) 1500
72. A man borrowed some amount, after 3 years he paid Rs.10,400/- with 10% interest, then how much amount he borrowed?
- 1) Rs. 7000
  - 2) Rs. 8000**

- 3) Rs. 9000
- 4) Rs. 10000
73. The difference between the compound interest and simple interest of some amount of money for 2 years at 9 % per annum is Rs. 129.60. The sum of money is
- 1) Rs. 16000**
- 2) Rs. 12500
- 3) Rs. 12000
- 4) Rs. 12500
74. The greatest number which can divide 1354, 1866, 2762 leaving the same remainder 10 in each case is
- 1) 64**
- 2) 124
- 3) 156
- 4) 260
75. An article is sold at a certain fixed price. By selling it at  $\frac{2}{3}$  of that price, one losses 10%. The gain percent on selling it at the original Price is:
- 1) 20%
- 2) 33.33%
- 3) 35%**
- 4) 45%

#### GENERAL INTELLIGENCE

76. Anoop starts walking towards South. After walking 15 m he turns towards North. After walking 20 m, he turns towards East and walks 10 m. He then turns towards South and walks 5 m. How far is he from his original position and in which direction?
- 1) 10 m, South**
- 2) 2.15 m, West
- 3) 3.20 m, East
- 4) 4.5m, South-west

77. If the letters of the word OBSERVANT are interchanged, such that the first becomes ninth, second becomes eighth, and so on, and the position of the fifth letter remains unchanged then what will be the new arrangement of letters?

- 1) TNAVERSBO
- 2) TNVARESBO
- 3) NTAVERSBO
- 4) **None of these**

78. December 9, 2001 is Sunday. What was the day on December 9, 1971?

- 1) Friday
- 2) Sunday
- 3) **Tuesday**
- 4) Monday

79. If PALE is coded as 2134, EARTH is coded as 41590, how can is PEARL be coded in that language?

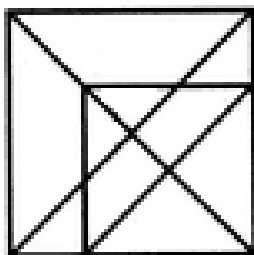
- 1) 25430
- 2) 29530
- 3) 25413
- 4) **24153**

80. Which set of letters when sequentially placed at the gaps in the given letter series shall complete it ?

aba\_baca\_ba\_bacaabac\_aca

- 1) **cacb**
- 2) ccab
- 3) cabc
- 4) abcc

81. Find the number of triangles in the given figure.





1) 18

2) 26

**3) 21**

4) 24

(82-84) In each of the following questions, find the missing number /letters/figure from the given responses

82. 2, 10, 40, 120, \_\_\_\_\_

**1) 240**

2) 360

3) 470

4) 210

83. 2, 10, 26, 50, \_\_\_\_, 122.

**1) 82**

2) 90

3) 80

4) 62

84. QAR, RAS, SAT, TAU, \_\_\_\_\_

**1) UAV**

2) UAT

3) TAS

4) TAT

85. Sunil started walking from a point 'P' towards South. After walking 40m, he took after turn. He then walked 30m and reached a point Q. What is the straight line distance between P and Q, and Q is towards which direction of P?

1) 60 meters, South east

2) 50 meters, South West

**3) 50 meters, South east**

4) None of these

Directions (86-87) : In each of the following questions, select the related word/letters/ number/ figure from the given alternatives.

86. Conference: Chairman:: Newspaper : ?

- 1) Reporter
- 2) Distributor
- 3) Printer
- 4) Editor**

87. MASTER: OCUVGT:: LABOUR : ?

- 1) NCDQWT**
- 2) NDERWT
- 3) NBERWT
- 4) NEDRWT

Directions(88-89):Find odd thing out from the given followings:

88.

- 1) Arc
- 2) Diagonal**
- 3) Radius
- 4) Diameter

89.

- 1) Stamp : Letter
- 2) Ticket : Train
- 3) Ink : Pen
- 4) Care : Engine**

Directions (90-92): The following questions are based on the five three digit numbers given below:

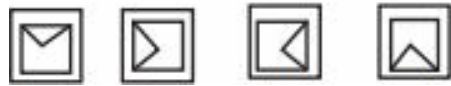
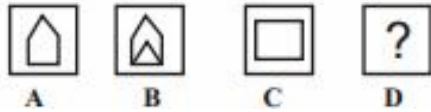
972 526 487 359 251

90. If the positions of the first and second digits are interchanged which of the following will be third if they are arranged in ascending order?

- 1) 359**
- 2) 972
- 3) 526
- 4) 487
- 5) 251

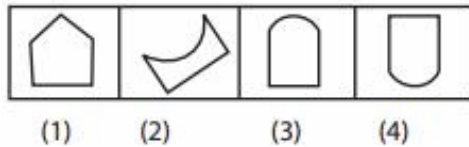
91. If 2 is added to the sum of the digits of each of the above numbers how many will be multiples of 5?
- 1) None
  - 2) One
  - 3) Two
  - 4) **Three**
92. If 1 is subtracted from the last digit of each of the above numbers the sum of the digits of how many of them are prime numbers?
- 1) None
  - 2) Two
  - 3) **One**
  - 4) Three
93. If the digits in each of the above numbers are written in reverse order which will be the second highest number?
- 1) 251
  - 2) 359
  - 3) **487**
  - 4) 526
94. If the positions of the digits of each of the numbers are interchanged such that the first becomes second, second becomes third and third becomes first, which, of the following will be the highest?
- 1) 972
  - 2) 526
  - 3) 251
  - 4) **359**
95. Raman is sitting to the immediate left of Harry but not next to Kamal. Mahesh is sitting to the right of Kamal. If the four friends are sitting in a circle who is sitting to the immediate right of Harry?
- 1) Mahesh
  - 2) **Kamal**
  - 3) Raman
  - 4) Harry
96. Gautami is elder to Seema but not to Deepika. Gitika is younger than Deepika. No one is elder to Binita. Who is youngest of them all?
- 1) Seema
  - 2) Gautami
  - 3) Gitika
  - 4) **Data not sufficient**

97. Find the right diagram from the alternatives.



- 1)      2)      3)      4)

98. Choose the figure which is different :



- (1)      (2)      (3)      (4)

- 1) 1  
2) 3  
3) 2  
4) 4

99. **Statements:** Some roads are ponds .All ponds are stores

Some stores are bags

**Conclusion:** Some bags are ponds .Some stores are roads

- 1) If only conclusion 1 follows  
2) If only conclusion 2 follows  
3) If either conclusion 1 or 2 follows  
4) **If both conclusions 1 and 2 follows**

100. Swaroop and Simple want to attend a seminar together between 9 a.m. to 5 p.m. on Friday. Simple cannot leave till after her lunch break which begins at 1.30 p.m. Swaroop is free after her meeting which ends at noon. For how many hours can the two of them attend the seminar?

- 1) **3 ½ hours**  
2) 2 ½ hours  
3) 4 ½ hours  
4) Cannot be determined