

Railways RRB Model Paper - 7

1. Which is the most important marine product being exported from India?

- (A) Shrimp
- (B) Whale
- (C) Crab
- (D) Lobster

2. If time difference at two places is 2 hours 20 minutes, what will be the longitude?

- (A) 45°
- (B) 35°
- (C) 30°
- (D) 15°

3. Which is the most affecting factor to the Indian Climate?

- (A) Geo Shape
- (B) Latitudinal Position
- (C) Himalayas
- (D) All of the above

4. When earth is at maximum distance from the sun, it is called—

- (A) Solstice
- (B) Eclipse
- (C) Equinox
- (D) Sidereal day

5. Which was the first weekly paper published by Indian National congress?

- (A) Bengal Gazette
- (B) India
- (C) Voice of India
- (D) Young India

6. Which part of the human body is most affected by typhoid?

- (A) Stomach
- (B) Renal
- (C) Lungs
- (D) Intestines

7. The heat transferred by substances without actual operation of particles is called—

- (A) Conduction
- (B) Convection
- (C) Radiation

(D) Reflection

8. The Maximum development in the Kushan era is in the field of—

- (A) Religion
- (B) Art
- (C) Literature
- (D) Architecture

9. Which of following atmospheric gases are green house gases?

- 1 Carbon dioxide
- 2 Nitrogen
- 3 Nitrous Oxide
- 4 Water vapour

Choose following coding.

- (A) 1, 3 and 4
- (B) 1 and 4
- (C) 1 and 3

(D) 1, 2, and 4

10. Which are of the following pair is not correctly match?

- (A) Article 14 - Right to equality according to law
- (B) Article 16 - Right to equality of opportunity
- (C) Article 17 - Abolition of titles
- (D) Article 18 - Grant permission for military titles.

11. Which one of following statement is NOT correct?

- (A) Sound waves are transverse.
- (B) Velocity of sound is the highest in solid metals.
- (C) Sound wave travels faster in gases as compared to solid.
- (D) Sound wave travel more fast in liquid as compared to gases.

12. In which year Noble price was started?

- (A) 1885
- (B) 1901
- (C) 1913
- (D) 1905

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13. Where is the Headquarter of "International Agriculture Development Fund"?

- (A) Vienna
- (B) Geneva
- (C) Rome
- (D) Montreal

14. Which one of the following is Highest peak of India?

- (A) Mount Everest
- (B) Godwin Austin (K₂)
- (C) Nanga Plateau
- (D) Kanchenjunga

15. Who was ruler of Delhi at the time of Nadirshah's attack?

- (A) Muhmmad shah
- (B) Bahadur shah
- (C) Alamgir second II
- (D) Shah Alam Second II

16. Who was first Emperor of Vijay Nagar dynasty who signed treaty with Portuguese?

- (A) Harihar
- (B) Bukka
- (C) Devarai II
- (D) Krishna Dev Rai

17. In which part of Indian constitution it is said to establish India as a welfare state—

- (A) Part II
- (B) Part – III
- (C) Part - IV
- (D) Part - IX

18. In Parliament, a committee is appointed for special purpose is called—

- (A) Standing committee
- (B) Adhoc committee
- (C) Joint committee
- (D) Permanent committee

19. Which virus is responsible for Measles?

- (A) Morbili Virus
- (B) Street Virus
- (C) Vacicella
- (D) Bordtella Pertusis

20. Which part of human head is associated with the beats of lungs and heart?

- (A) Spinal cord
- (B) Medulla oblongata
- (C) Hypothalamus
- (D) Diencephalon

21. Which glandular secretion is responsible for sludge along human eyes corners?

- (A) Lachrymal gland
- (B) Meibomian gland
- (C) Oil gland
- (D) Sebaceous gland

22. Which corpuscles are affected by leukemia?

- (A) Red blood corpuscles
- (B) White blood corpuscles
- (C) Blood platelets
- (D) Blood plasma

23. How many persons can be nominated by the president for both the houses of the parliament?

- (A) 16
- (B) 10
- (C) 12
- (D) 14

24. Which ruler's regime is known as the golden period of painting?

- (A) Akbar
- (B) Aurangzeb
- (C) Jahangir
- (D) Shahjahan

25. The 'Saka Samvata' was started by—

- (A) Kanishka
- (B) Vikramaditya
- (C) Samudragupta
- (D) Ashoka

26. Rearing of silk worm is called _____.

- (A) Silviculture
- (B) Sericulture
- (C) Apiculture
- (D) Pisciculture

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27. Cup shaped volcano is called _____.

- (A) Crater
- (B) Geyser
- (C) Caldera
- (D) Fiord

28. What is Gross Domestic Product?

- (A) Currency acquired by adding Commodity and services
- (B) Monetary value of commodities and services produced in an year
- (C) Value of upcoming products
- (D) Monetary value invested in Indian stock exchange

29. Who recommended tri-layered Panchayati Raj System in India First of all?

- (A) Balwant Rai Mehta Committee
- (B) M.L Singhvi Committee
- (C) Ashok Mehta Committee
- (D) Sarkariya Commission

30. Which of the following separates Asia from Europe?

- (A) Kakeshas Mountains
- (B) Andes Mountains
- (C) Alpines Mountians
- (D) Eural Mountains

31. Who started the 'Gurumukhi Script'?

- (A) Guru Govind Singh
- (B) Guru Nanak
- (C) Guru Amardas
- (D) Guru Angada

32. How many hymns are there in Rigveda?

- (A) 1028
- (B) 1820
- (C) 10462
- (D) 1280

33. Which of the following is known as 'the devil fish'?

- (A) Pila
- (B) Sepia
- (C) Torpedo
- (D) Octopus

34. Which Organisation is related to environmental planning?

- (A) CSIR
- (B) NEERI
- (C) CIFRI
- (D) ICAR

35. 'Puna Pact - 1932' is related to which of the following?

- (A) Indian Women
- (B) Indian Workers
- (C) Indian Farmers
- (D) Indian Dalitas

36. According to which article, Indian parliament can make laws on any subject for the benefit of states?

- (A) Article - 239
- (B) Article - 247
- (C) Article - 249
- (D) Article – 251

37. Which of the following statement is false?

- (A) EXIM bank is a financial institution related to import and expert.
- (B) SIDBI is an institution to provide financial aid to small enterprises
- (C) IDBI is an institution for the development of industries
- (D) NABARD provides financial aid to villagers settled in urban areas

38. Which party was established by Motilal Nehru and Chitranjan Das?

- (A) Swaraj Party
- (B) Indian freedom party
- (C) Socialist Swarajwadi party
- (D) Indian communist party

39. Which of the following is used to dissolve noble metal?

- (A) Nitric Acid
- (B) Aqua regia
- (C) Sulphuric acid
- (D) Hydrochloric acid

40. How many non-permanent members are there in United Nation's Security Council?

- (A) 5
- (B) 10
- (C) 12
- (D) 15

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41. Miriya Lalguna, Miss World 2015, hails from which country?

- (A) USA
- (B) Venezuela
- (C) Spain
- (D) Brazil

42. Which of the following are Indian states on Pakistan border?

- (A) Gujarat, Himachal Pradesh, Haryana, Jammu and Kashmir
- (B) Gujarat, Jammu and Kashmir, Punjab, Rajasthan
- (C) Jammu & Kashmir, Haryana, Rajasthan, Punjab
- (D) Jammu & Kashmir, Himachal Pradesh, Punjab, Rajasthan

43. Muslim League was established on

- (A) December 30, 1906
- (B) December 30, 1907
- (C) December 30, 1911
- (D) December 30, 1915

44. The property of a body when it resists any change in its motion in a straight path or at rest, is called—

- (A) Reaction
- (B) Inertia
- (C) Capillarity
- (D) Viscosity

45. Which of the following crop is tolerant to water salinity?

- (A) Date palm
- (B) Cabbage
- (C) Orange
- (D) Grape

46. Alluvium Soil found in plains of Indus Ganga is also Called—

- (A) Khaddar
- (B) Ussr
- (C) Regar
- (D) Banger

47. Match the following

List – I (Desease)

- (A) Black Rust
- (B) Step Rot

List II (Crop)

- 1. Rice
- 2. Mustard

(C) White Rust

(D) Early Blight

(A) A:-1, B:-3, C:-4, D:-2

(B) A:-4, B:-1, C:-2, D:-3

(C) A:-4, B:-3, C:-2, D:-1

(D) A:-2, B:-1, C:-4, D:-3

3. Potato

4. Wheat

48. Choose the false statement—

- (A) Heerakunda dam is situated on Mahanadi
- (B) Theen dam is situated on river Ravi
- (C) Salal Project is situated on river Chenab
- (D) Pong dam is situated on river Chambal

49. What is the dimension of angular velocity?

- (A) MLT^{-1}
- (B) ML^3T^{-1}
- (C) $M^{\circ}L^{\circ}T^{-1}$
- (D) $M^{\circ}L^1T^{-2}$

50. Which rays are mainly used to find out invisible handwritings, forged documents and fingerprints?

- (A) Ultraviolet rays
- (B) Infrared ways
- (C) Beta rays
- (D) Gamma rays

51. Selling price of 10 tables is equal to cost price of 9 fables. Find profit or loss percentage?

- (A) 10% Loss
- (B) 10 % Profit
- (C) 20 % Loss
- (D) 20% Profit

52. A general of army wants to form of a square form of 365 62 men . after arrangement he found some army men left. How many men were left.

- (A) 97
- (B) 36
- (C) 65
- (D) 81

53. If number of apples in a Basket doubles every minute and it basket is full in a hour. When was the basket half filled?

- (A) 30 minute
- (B) 59 minute
- (C) 31 minute

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(D) 36 minute

54. The ratio of areas of two squares are 225 : 256. The ratio of their perimeters is ?

- (A) 15 : 16
- (B) 15 : 64
- (C) 60 : 16
- (D) 225 : 256

55. 4 men and 6 women can complete a work in 8 days, while 3 men and 7 women complete it 10 days. In How many days will 10 women complete it?

- (A) 50 days
- (B) 45 days
- (C) 40 days
- (D) 35 days

56. The sum of all interior angle of a polygon, having 10 sides will be _____.

- (A) 1440°
- (B) 1620°
- (C) 1080°
- (D) 720°

57. The average age of 6 members of a family is 45.5 years. If the age of a relative is also added than new average becomes 47. The age of relative is?

- (A) 58 years
- (B) 56 years
- (C) 50 years
- (D) 48 years

58. The number 2272 and 875 are divided by a 3 digit number 'N', leaving the same remainder. The sum of digits of N is ?

- (A) 10
- (B) 11
- (C) 12
- (D) 19

59. The angle of a quadrilateral are in the ratio 1 : 2 : 3 : 4. The measure of largest angle of quadrilateral is?

- (A) 144°
- (B) 92°
- (C) 72°
- (D) 108°

60. After measuring 120 meters of a rope, it was found that measuring meter rod was three centimeter longer. The type length of rope is?

- (A) 120 m 20 cm
- (B) 123 m 60 cm
- (C) 125 m
- (D) 128 m

61. A man covers half of his Journey at 6 km/hr and remaining half at 3 km/hr. His average speed is?

- (A) 4.5 km/hr
- (B) 4 km/hr
- (C) 6 km/hr
- (D) 8 km/hr

62. Rs. 395 are divided among A,B and C, in such a manner that 'B' gets 25% more than 'A' and 20% more than 'C'. The share of A is

- (A) Rs. 195
- (B) Rs. 160
- (C) Rs. 120
- (D) Rs. 90

63. A number when divided by '5' leaves a remainder '3', when divided by '11' leaves a remainder '9'. Find smallest possible number?

- (A) 52
- (B) 53
- (C) 59
- (D) 78

64. A boy goes to his school at "10" km/hr and returns at a speed of "8" km/hr. He takes "3" to complete the journey find distance to his school?

- (A) 25 km
- (B) 26.67 km
- (C) 27 km
- (D) 13.33 km

65. The HCF of two numbers is 44 and LCM is 264. If first number is 88 then second number is?

- (A) 147
- (B) 528
- (C) 132
- (D) 264

66. The correct order of following numbers is?

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$3^{34}, 2^{51}, 7^{17}$

- (A) $3^{34} > 7^{17} > 2^{51}$
- (B) $3^{34} > 2^{51} > 7^{17}$
- (C) $7^{17} > 2^{51} > 3^{34}$
- (D) $2^{51} > 3^{34} > 7^{17}$

67. If $a = 4.965$, $b = -2.343$ and $c = -2.622$, then value of " $a^3 - b^3 - c^3 - 3abc$ " will be?

- (A) -2
- (B) -1
- (C) 0
- (D) 1.1312

68. If the product of first fifty consecutive integers is divisible by 7^n . Then largest possible value of n will be? [Where n is an integer].

- (A) 8
- (B) 7
- (C) 9
- (D) 10

69. The ratio of radius of two spheres is 2 : 3. The ratio of their volumes is?

- (A) 2 : 3
- (B) 4 : 9
- (C) 27 : 16
- (D) 8 : 27

70. If $\theta < 90^\circ$, and $\tan \theta + \cot \theta = 2$ then value of $\tan^5 \theta + \cot^5 \theta$ will be?

- (A) 0
- (B) 2
- (C) 4
- (D) 8

71. If the sum of interior angles of regular polygon is equal to two times the sum of exterior angles of that polygon, the the polygon has _____ sides.

- (A) 5
- (B) 6
- (C) 7
- (D) 8

72. Numbers from 1 to 23 are written in order as "1234567891011 212223", the remainder when above number is divided by '8'?

- (A) 1
- (B) 3
- (C) 5
- (D) 7

73. Find the odd one in series?

2, 3, 5, 7, 11, 13, 17, 21, 23

- (A) 17
- (B) 21
- (C) 23
- (D) 13

74. Two coins are tossed, the probability of getting one head and one tail is ----

- (A) $\frac{3}{4}$
- (B) $\frac{1}{3}$
- (C) $\frac{1}{2}$
- (D) $\frac{1}{4}$

75. If the order of english alphabet is reverse, then which letter will be 6th from the left of third letter from right end?

- (A) H
- (B) J
- (C) K
- (D) I

76. The day on 26 January 1970 was----

- (A) Friday
- (B) Monday
- (C) Tuesday
- (D) Sunday

77. A person is 17th from left and 18th from right then number of persons in that row are?

- (A) 33
- (B) 37
- (C) 35
- (D) 34

78. If $16 = 11$, $36 = 13$ then $81 = ?$

- (A) 15
- (B) 18
- (C) 16
- (D) 17

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79. Picture : See :: Book : ?

- (A) Library
- (B) Buy
- (C) Read
- (D) Listen

80. If cat = 60, ass = 361 and bat = 40 then art = ?

- (A) 360
- (B) 420
- (C) 484
- (D) 39

81. The next letter of series will be?

H G F E D C B A H G F E D C B H G F E D C ?

- (A) H
- (B) G
- (C) A
- (D) D

82. A and B walk in opposite direction from a point. Each of them moves 3 km and then A turns right moves 4 km, while B also turns right and moves 4 km. The distance between them is?

- (A) 10 km
- (B) 15 km
- (C) 12 km
- (D) 18 km

83. Choose the odd one from following?

- (A) PQO
- (B) VWU
- (C) AZY
- (D) TUS

84. The number 2272 and 875 are divided by a 3 digit number 'N', leaving the same remainder. The sum of digits of N is -----

- (A) 10
- (B) 11
- (C) 12
- (D) 19

85. If 5 7 9 13 = E G I M, then 35816 = ?

- (A) CEHQ
- (B) CEHP
- (C) CDIR
- (D) BCHD

86. AE, FJ, KO, ?

- (A) PT
- (B) PU
- (C) PV
- (D) PF

87. Melt : Liquid :: Freeze : ?

- (A) Ice
- (B) Condense
- (C) Solid
- (D) Force

88. 4, -8, 16, -32, 64, ?

- (A) -192
- (B) 192
- (C) -128
- (D) 128

89. A general of army wants to form of a square form of 365 62 men. After arrangement he found some army men left. How many men were left?

- (A) 97
- (B) 36
- (C) 65
- (D) 81

90. If RED is coded as 360, the code of work "EYE" will be _____.

- (A) 675
- (B) 625
- (C) 525
- (D) 600

91. Choose the odd one out.

- (A) BD6
- (B) FH14
- (C) JL22
- (D) NP31

92. If '+' means '-', 'x' means '÷', '÷' means '+' and '-' means 'x', then which of the following will be the value of expression?

$$56 \times 7 + 2 \div 6 - 12$$

- (A) 0
- (B) 78
- (C) 121

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(D) 36

93. The average weight of 8 person's increases by 2.5 kg when a new person comes in place of one of them weighing 65 kg. What might be the weight of new person?

- (A) 75 kg
- (B) 88 kg
- (C) 85 kg
- (D) 78 kg

94. B is the father of Q. B has only two children. Q is the brother of R. R is the daughter of P. A is the granddaughter of P. S is the father of A. How is S related to Q?

- (A) Son
- (B) Brother
- (C) Brother - in -law
- (D) Sister - in – law

95. A man bought a cycle for Rs. 2500. For how much should he sell it so as to gain 12%?

- (A) 2820
- (B) 2920
- (C) 2720
- (D) 2800

96. In the following questions insert the missing number 3, 16, 42, 81, ?, 198

- (A) 98
- (B) 128
- (C) 133
- (D) 148

97. How many pairs of letters are there in the word "FORGOTTEN" which have as many letters between them in the word as in the alphabet?

- (A) More than three
- (B) None
- (C) One
- (D) Two

98. The production of company A increases 10% every year. If the company manufactures 15,800 products in 2012, then how many products have been manufactured by the company in 2014?

- (A) 19118
- (B) 18960
- (C) 19116
- (D) 18940

99. Which of the following set has the same relationship as the set shown in the passage?

- (25, 37, 38, 50)
- (A) (6, 18, 19, 30)
 - (B) (7, 19, 20, 31)
 - (C) (18, 30, 31, 43)
 - (D) (16, 28, 29, 39)

100. If the first five letters of the English alphabet are removed, then in the remaining letters which is the ninth letter to the left of eighteenth letter from the left end?

- (A) N
- (B) L
- (C) R
- (D) None of these

Answers and Hints:

Answers

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

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Hints:

52. $(191)^2 = 36481$ so required number is
 $36562 - 36481 = 81$

56. Sum of total internal angles = $(n - 2) 180$
 $= (10 - 2) 180 = 1440^\circ$

57. The relative age will be
 $47 \times 7 - 6 \times 45.5$
 $= 329 - 273$
 $= 56$ years

58. Clearly the number will also divide the
difference of number = $2272 - 875 = 1397$
 $= 1397 = 127 \times 11$
So $N = 127$
Sum of digits = $1 + 2 + 7 = 10$

60. The original length will be
 $120 \text{ m} + (120 \times 3) \text{ cm}$
 $= 120 \text{ m} + 360 \text{ cm}$
 $= 123 \text{ m} + 60 \text{ cm}$
 $= 123 \text{ m} + 60 \text{ cm}$

63. The required number is
LCM of $[5, 11] - (5 - 3)$
 $\Rightarrow 55 - 2 = 53$

66. $3^{34}, 2^{51}, 7^{17}$
 $\Rightarrow (3)^{2 \times 17}, (2)^{3 \times 17}, (7)^{1 \times 17}$
 $\Rightarrow (9)^{17}, (8)^{17}, (7)^{17}$
Order = $3^{34} > 2^{51} > 7^{17}$

81. H G F E D C B A / H G F E D C B / H G F E D C / H

84. Clearly the number will also divide the difference of number = $2272 - 875 = 1397$
 $= 1397 = 127 \times 11$
So $N = 127$
Sum of digits = $1 + 2 + 7 = 10$

86. A E F J K O P T
1 5 6 10 11 15 16 20

90. R E D
18 5 4 $\Rightarrow 18 \times 5 \times 4 = 360$
E Y E

67. Since $a - b - c = 0$ as $4.965 - 2.343 - 2.622 = 0$

So $a^3 - b^3 - c^3 - 3abc = 0$

70. $\tan \theta + \cot \theta = 2$

clearly $\theta = 45$

So $\tan^5 45^\circ + \cot^5 45^\circ = 1 + 1 = 2$

71. Sum of interior angles of polygon = $180(n - 2)$

Sum of exterior angles of polygon = 360

Given $180(n - 2) = 360 \times 2$

$= n = 2 + 4 = 6$

73. 21 is not a prime number.

74. Total possible combinations are

HH, HT, TH, TT

\Rightarrow One head + one tail = 2 chances

Probability = $2/4 = \frac{1}{2}$

77. Total no. of persons = $18 + 17 - 1 = 34$

78. $16 = 11 \Rightarrow (4)^2 = 11 \Rightarrow 4 + 7 = 11$

$36 = 13 \Rightarrow (6)^2 = 13 \Rightarrow 6 + 7 = 13$

$81 = ? \Rightarrow (9)^2 = ? \Rightarrow 9 + 7 = 16$

80. CAT = $3 \times 1 \times 20 = 60$

ASS = $1 \times 19 \times 19 = 361$

BAT = $2 \times 1 \times 20 = 40$

ART = $1 \times 18 \times 20 = 360$

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$$5 \quad 25 \quad 5 \Rightarrow 5 \times 25 \times 5 = 625$$

91. B D F H
2 4 = 6 , 6 8 = 14
J L N P
10 12 = 22 , 14 16 = 30

93. Weight of New person = $65 + 8 \times 2.5$
= 85 kg

96. The series is +13, +26, +39, +52, +65.

99. The pattern is +12, +1, +12.

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