RRB GROUP D

TEST SERIES

DATE- __/__/__

DAY- _____

INSTRUCTION FOR CANDIDATE

TEST SERIES NO.

SG Set - 24

QUESTION- 100   MARKS- 100   NEGATIVE MARK- 0.33   DURATION- 90 MIN.

1. Use only ball pens with black or blue ink
2. As soon as the examination starts, you must check this question booklet and if there is any unprinted, mutilated or partially printed page or question in it, then replace it with the correct question booklet through the examiner.
3. There are a total of 100 questions in this question booklet.
4. This is an objective test, in which four options are given for the answer to each question, you have to choose only one option with the correct answer out of these four options.
5. Answers to all questions are to be written on separate answer sheets.

6. Instructions for filling the answer sheet are written on the back side of the answer sheet, read them carefully before filling the answer sheet.
7. Blank pages are available in this question booklet for rough work.
8. Candidates cannot leave the room before the end of the examination.
9. After the examination is over, you can go out only with his permission after submitting the ORIGINAL COPY of the answer sheet to the invigilator.
10. After the completion of the examination, the candidate is allowed to take the question booklet and answer sheet with him/her.
11. 1 marks will be given for each correct answer and 0.33 marks will be deducted for each wrong answer.

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1. Which of the following is the reproductive organ of ginger?
(a) Seed   (b) Root
(c) Stem   (d) Leaf

2. What type of venation is present in the leaves and roots of bamboo plant?
(a) Parallel venation and fibrous root
(b) Reticulate venation and fibrous root
(c) Reticulate venation and tap root
(d) Parallel venation and tap root

3. Water reaches the top of plants and trees due to suction pull. This process of suction pull is caused by which phenomenon?
(a) Transpiration   (b) Absorption
(c) Photosynthesis   (d) Respiration

4. Which of the following is not a single flower but a bunch of flowers?
(a) China Rose (Hibhal)   (b) Rose
(c) Dhatura   (d) Sunflower

5. Choose the odd one out.
(a) Egg   (b) Embryo
(c) Ovum   (d) Gametes

6. Which of the following statements is correct?
(a) Inhaled air (breathed in) does not contain carbon dioxide
(b) Both inhaled and exhaled air (inhaled and exhaled) contain oxygen
(c) Exhaled air does not contain oxygen
(d) Exhaled air does not contain carbon dioxide

7. Which of the following statements is true regarding photosynthesis?
(a) Plants can survive for some time without photosynthesis
(b) Both photosynthesis and respiration are necessary for the survival of a plant
(c) During the day, photosynthesis and respiration are simultaneous processes in plants
(d) All the above statements are true

8. What happens when blue and red litmus are added to an acidic solution?
(a) Blue litmus paper turns red
(b) There is no change in either of them
(c) Blue litmus paper remains blue
(d) Red litmus paper turns blue

9. Which substance is formed when sulphur dioxide is dissolved in water?
(a) Sulphuric acid   (b) Sulphur hydroxide
(c) Sulphuric oxide   (d) Sulphurous acid

10. Which of the following elements should be available in sufficient quantity in the pond water in which tadpoles grow?
(a) Oxygen   (b) Iodine
(c) Nitrogen   (d) Chlorine

11. The flow and viscosity of liquids are measured by
(a) Viscosity   (b) Solubility
(c) Volume   (d) Weight

12. A wooden block is at rest on a table. What can be said about the force(s) acting on this block?
(a) Only gravitational force is acting on it
(b) No force is acting on it
(c) A pair of balanced forces is acting on it
(d) Gravitational and frictional forces are acting on it

13. The order of different types of teeth in our mouth from front to back is
(a) Incisors → Canines → Premolars → Molars
(b) Canines → Incisors → Premolars → Molars
(c) Incisors → Canines → Molars → Premolars
(d) Canines → Incisors → Molars → Premolars

14. A bicycle is moving at a constant speed on a straight road. The wheels of a bicycle represent
(a) circular and translational motion
(b) translational and periodic motion
(c) circular and periodic motion
(d) circular, translational and periodic motion

15. The function of saliva is

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(a) to convert starch into fat

(b) to convert starch into sugar

(c) to convert carbohydrates into protein

(d) to prevent the entry of food particles into the trachea

16. Select the true statements from the following.

(a) Bakelite is thermoplastic; while melamine is thermosetting plastic

(b) Melamine is thermoplastic; while Bakelite is thermosetting plastic

(c) Both Bakelite and melamine are thermosetting plastics

(d) Both Bakelite and melamine are thermoplastics

17. Match the following metals and non-metals and their uses correctly.

Metal/Nonmetal	Uses
A. Iodine	I. In water purification
B. Mercury	II. On wounds
C. Aluminium	III. In thermometers
D. Chlorine	IV. In food packaging

Code

A B C D

(a) I II III IV   (b) IV II III I

(c) II III IV I   (d) III II N I

18. Read the following examples related to daily life and choose the correct option.

I. Calamine is used to soothe the burning sensation caused by ant bites.

II. When food gets spoiled, it gives out a bad smell.

III. When an apple slice is kept outside for some time, it turns brown.

(a) 111 is a physical change

(b) II and III are physical changes

(c) All are chemical changes

(d) ‖ and ‖1/1 represent chemical changes

19. Air near the source of heat gets heated and rises and air coming from the sides takes its place.

Similarly air is heated from oil heaters also. Which process is this?

(a) Convection   (b) Radiation

(c) Diffusion   (d) Conduction

20. The melting points (in °C) of sulphur (S), aluminium (Al) and iron (Fe) are 113,666 and 1535 respectively. Which one of the following is correct?

(a) Only S is solid at 200 °C

(b) Al and Fe are solid at 200 °C

(c) Only Fe is solid at 200 °C

(d) Fe, S and Al are solid at 200 °C

21. Liquid in steady state ....

(a) exerts pressure only in vertical direction

(b) exerts pressure only in downward direction

(c) exerts pressure in all directions

(d) exerts pressure only lateralward

22.Which lens is used in reading glasses?

(a) Convex lens   (b) Concave lens

(c) Ordinary lens   (d) Plane mirror

23.Which of the following statements is correct?

I. Chaff is separated from heavy grains by winnowing.

II. Mixture of particles of different sizes is separated by sieving and filtration process.

(a) Only I is true

(b) Only II is true

(c) Both I and II are true

(d) None of these

24.Which of the following is not an example of motion?

(a) Motion of a boy sitting in a moving car according to the car

(b) Motion of a boy sitting in a merry-go-round

(c) Motion of the hammer of an electric bell

(d) Motion of a cricket ball hit by a batsman

25.Islets of Langerhans are found in?

(a) Stomach   (b) Liver

(c) Pancreas   (d) Heart

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26. The average weight of 16 boys in a class is 50.25 kg and the average weight of the remaining 8 boys is 45.15 kg. What is the average weight of all the boys in the class?

(a) 38.55 kg   (b) 48 kg

(c) 48.55 kg   (d) None of the above

27. 63% of $3\frac{4}{7}$ is

(a) 2.25   (b) 2.40

(c) 2.50   (d) 2.75

28. If 40% of a number is subtracted from that number, the answer comes out to be 30. That number is

(a) 28   (b) 50

(c) 52   (d) 70

29. If the selling price of an item is $\frac{4}{3}$ times the purchase price of that item, then what is the profit percentage?

(a) $16\frac{2}{3}\%$ (b) $20\frac{1}{2}\%$

(c) $25\frac{1}{2}\%$ (d) $33\frac{1}{3}\%$

30. A bag contains 25 paise, 10 paise and 5 paise coins in the ratio 1:2:3. If the total amount in the bag is ₹30, then what is the number of 5 paise coins in it?

(a) 50   (b) 100

(c) 150   (d) 200

31. 10 men working 6 hours a day complete a work in 18 days. How many hours per day will 15 men work to complete the same work in 12 days?

(a) 6 hours   (b) 10 hours

(c) 12 hours   (d) 15 hours

32. Two pipes A and B can fill an empty tank in 20 minutes and 30 minutes respectively. If both the pipes are used together, how much time will it take to fill the tank?

(a) 12 minutes   (b) 15 minutes

(c) 25 minutes   (d) 50 minutes

33. A constable sees a thief 100 m ahead of him. As soon as the constable started chasing him, the thief also started running. If the speed of the thief is 8 km/h and the speed of the constable is 10 km/h, then after running how many meters will the thief be caught?

(a) 400   (b) 800

(c) 200   (d) None of these

34. A train travels at a speed of 108 km/hr. What will be its speed in metres/second?

(a) 10.8   (b) 18

(c) 30   (d) 38.8

35. What is the smallest five-digit number which is exactly divisible by 41?

(a) 10045   (b) 10004

(c) 10041   (d) 10025

36. Simplify 4+ 444+ 444+ 404+ 444 = ?

(a) 472.88   (b) 495.22

(c) 500.88   (d) 577.2

37. In what ratio should a grocer mix rice costing ₹15 per kg with rice costing ₹20 per kg so that the cost of the mixture becomes ₹16.50 per kg?

(a) 3 : 7   (b) 5 : 7

(c) 7 : 3   (d) 7 : 5

38. The area of the base of a rectangular water tank is 6500 sq. cm and the volume of water filled in it is 2.6 m3. What is the depth of water in the tank?

(a) 3.5 m   (b) 4 m

(c) 5 m   (d) 6 m

39. Simplify 25 ÷ 0.0005 = ?

(a) 50   (b) 500

(c) 5000   (d) 50000

40. Which of the following fractions is the smallest?

(a) $\frac{9}{13}$ (b) $\frac{17}{26}$

(c) $\frac{28}{39}$ (d) $\frac{33}{52}$

41. Simplify 16.7+12.38-?=10.09

(a) 17.89   (b) 18.99

(c) 16.98   (d) 20.09

42. Simplify

1027.05-314.005+112.25= ?

(a) 825.095   (b) 825.295

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(c) 825.305　　　　　　(d) 825.395

43. A train is moving at a speed of 180 km/h. What is its speed in metres/second?
(a) 5　　　　　　(b) 30
(c) 40　　　　　　(d) 50

44. Simplify 7589 - ? =3434
(a) 4242　　　　　　(b) 4155
(c) 1123　　　　　　(d) 11023

45. Simplify 72519×9999= ?
(a) 725117481　　(b) 674217481
(c) 685126481　　(d) 696217481

46. Which of the following numbers is divisible by 24?
(a) 35718　　　　　　(b) 63810
(c) 537804　　　　　(d) 3125736

47. If 60% of 3/5 of a number is 36, then the number is
(a) 80　　　　　　(b) 100
(c) 75　　　　　　(d) 90

48. The greatest common factor of 3556 and 3444 is
(a) 23　　　　　　(b) 25
(c) 26　　　　　　(d) 28

49. The greatest common factor of three numbers is 12 and the ratio of these numbers is 1:2:3, these numbers are
(a) 4,8,12　　　　　(b) 5,10,15
(c) 10,20,30　　　　(d) 12,24,36

50. The value of (1+0.1+0.01+0.001) is
(a) 1.001　　　　　(b) 1.011
(c) 1.003　　　　　(d) 1.111

51. LOAD is coded as MPBE and DRIVE is coded as ESJWF, then how will you code LADDER?
(a) MDEEFS　　　　(b) MBEEFS
(c) NCFFGT　　　　(d) MBEESP

52. Find the odd word which does not belong to the group
(a) Gallon　　　　　(b) Ton
(c) Quintal　　　　　(d) Kilogram

53. Which of the following words cannot be formed using the letters of the word EDUCATIONAL?
(a) NATIONAL　　　(b) NEAT
(c) DEAN　　　　　(d) LION

54. Choose the correct option to complete the pattern and replace the question mark (?)

1	4	?
4	2	5
2	2	3
49	64	169

(a) 3　　　　　　(b) 6
(c) 5　　　　　　(d) 4

55. How many meaningful English words can be made with the letters 'A,E,R' using each letter only once in each word?
(a) None　　　　　(b) One
(c) Two　　　　　(d) Three

56. How many days are there in the month of February?
(a) 28 or 29 days　　(b) 29 or 30 days
(c) 30 days　　　　(d) 31 days

57. If APE is written as 369 in a sign language, how will PEA be written in that language?
(a) 369　　　　　(b) 693
(c) 936　　　　　(d) 963

58. Find the missing number in the series
4, 10, 22, ?, 94
(a) 46　　　　　　(b) 40
(c) 56　　　　　　(d) 66

59. If the code of GARDEN is 325764 and the code of WATER is 92165, then what will be the code of WARDEN?
(a) 925764　　　　(b) 295764
(c) 952764　　　　(d) 957264

60. Find the odd number in the given series
10, 14, 16, 18, 21, 24, 26
(a) 26　　　　　　(b) 24
(c) 21　　　　　　(d) 18

61. Select the odd number in the given series

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385, 462, 572, 396, 427, 671, 264

(a) 385   (b) 427

(c) 671   (d) 264

Instructions (Q. Nos. 62-64) In the following questions, find the appropriate option to make the pairs given on the right and left side of the symbol (::) similar.

62. ABCD : WXYZ :: EFGH : ?

(a) STOU   (b) STUE

(c) TSUV   (d) STUV

63. Uncle : Aunty :: Father : ?

(a) Affection   (b) Son

(c) Daughter   (d) Mother

64. Agra : Uttar Pradesh :: Mumbai : ?

(a) Kolkata   (b) India

(c) Gujarat   (d) Maharashtra

65. Find the missing number in the series

3, 12, 48, 192, ?

(a) 202   (b) 301

(c) 768   (d) 689

66. Choose the correct option to follow the pattern in the given number series and replace the question mark (?)

6, 12, 21, ?, 48

(a) 33   (b) 38

(c) 40   (d) 45

67. Based on the relationship between the pair of words given on the left, choose the option to replace the question mark (?) in the pair on the right

REASON : SFBTPO :: THINK : ?

(a) SGHMJ   (b) UIJOL

(c) UHNKI   (d) UJKPM

Instructions (Q.No. 68-70) Choose the correct option to follow the given series and replace the question mark (?)

68. 2, 7, 14, 23, ?, 47

(a) 30   (b) 34

(c) 36   (d) 28

69. 68, 81, 96, ?, 132

(a) 109   (b) 110

(c) 117   (d) 113

70. 128, ?, 82, 62, 44, 28

(a) 96   (b) 104

(c) 112   (d) 102

71. Find the odd word which does not belong to the group

(a) Swimming   (b) Diving

(c) Driving   (d) Boating

72. If the following random letters are arranged to form the name of a fruit, then which letter will come in the middle?

PALEPPINE

(a) L   (b) A

(c) I   (d) P

73. The question given below consists of a statement followed by two arguments I and II. You have to decide which of the arguments is/are strong?
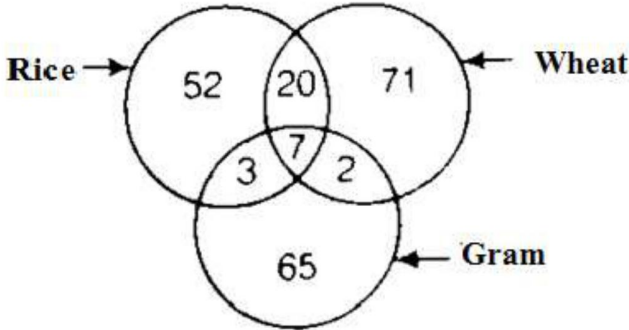
Statement Should inter-caste marriage be encouraged in India? Arguments
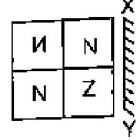
I. Yes, it will end the caste system.

II. No, it will destroy our Indian family system.

(a) Only argument I is strong

(b) Only argument II is strong

(c) Neither argument I nor argument II is strong
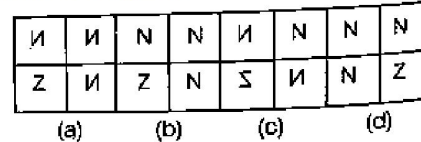
(d) Both arguments I and II are strong

74. The following Venn diagram shows information about traders who trade in

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Rice → 52 / 20 / 71 ← Wheat
3 / 7 / 2
65 ← Gram

What is the ratio of the number of traders of wheat and gram to the traders of rice and wheat?
(a) 1:10   (b) 10:1
(c) 1:4   (d) 4:1

75. The total number of students in class I and class II is 120. If 15 students of class I are sent to class II, then the number of students in class II becomes twice the number of students in class I. How many students were there in class I initially?
(a) 40   (b) 80
(c) 65   (d) 55

76. In a code language, ' 134 ' means 'good and tasty', '478' means 'see good picture' and ' 729 ' means 'picture are beautiful'. Then which number is used for 'see' in this code language?
(a) 8   (b) 7
(c) 1   (d) 9

77. If the 5th date of the month is Tuesday, then which date will be 3 days after the third Friday of the month?
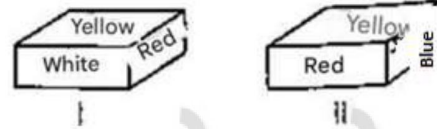(a) 22   (b) 17
(c) 18   (d) 19

78. If 'white' is called 'red', 'red' is called 'yellow', 'yellow' is called 'green' and 'green' is called 'blue', then which of the following will be the colour of 'turmeric'?
(a) Red   (b) Green
(c) Blue   (d) Yellow

79. If a mirror is placed on the XY line, then which of the answer figures will be the correct image of the question figure?

Question figures

Answer figures

(a)   (b)   (c)   (d)

80. From the two different surfaces of a dice given below, find out which colour is behind white?

(a) Black   (b) Yellow
(c) White   (d) Blue

81. Whom did Sarojini Naidu call the ambassador of Hindu-Muslim unity?
(a) Mahatma Gandhi
(b) Motilal Nehru
(c) Abul Kalam Azad
(d) Mohammad Ali Jinnah

82. Who was the first recipient of 'Bharat Ratna'?
(a) C.V. Raman
(b) Govind Ballabh Pant
(c) Mahatma Gandhi
(d) Jawaharlal Nehru

83. What is the post of the Chief of the Indian Navy called?
(a) Admiral
(b) Chief of Naval Staff
(c) Chief of Indian Naval Staff
(d) General of Indian Navy

84. In which year Chandrayaan-3 was launched by India?
(a) In 2023   (b) In 2010
(c) In 2011   (d) In 2009

85. Which of the following cities is famous by the nickname 'Pittsburgh of Japan'?

(a) Yokohama   (b) Osaka
(c) Inabagon   (d) Yawata

86. Who is the Chairman of the Public Accounts Committee?
(a) Prime Minister
(b) Speaker of Lok Sabha
(c) Leader of Opposition in Lok Sabha
(d) Vice President

87. Who was the first woman in the world to climb Mount Everest?
(a) Aung Sung   (b) Bachendri Pal
(c) Junko Tabei   (d) Yoko Ono

88.Which of the following is the currency of Thailand?
(a) Rupee   (b) Ringgit
(c) Baht   (d) Yuan

89.Who is the guardian of the fundamental rights mentioned in the Constitution?
(a) Parliament   (b) Constitution
(c) President   (d) Supreme Court

90.How many members are there in the Public Accounts Committee?
(a) 22   (b) 20
(c) 25   (d) 30

91.Directive Principles have been taken from the Constitution of which country?
(a) Greenland   (b) New Zealand
(c) England   (d) Ireland

92.Which instrument is used to measure the intensity of an earthquake?
(a) Barograph   (b) Chronograph
(c) Crescograph   (d) Seismograph

93. The longest distance train in India is
(a) Himsagar Express (b) Vivek Express
(c) Janseva Express   (d) Duronto Express

94. Which day is celebrated every year on 11 July?
(a) Kargil Memorial Day
(b) World Population Day
(c) World Tourism Day
(d) World Youth Day

95. Which of the following lakes is the largest freshwater lake in the world?
(a) Lake Baikal   (b) Lake Titicaca
(c) Lake Superior   (d) Caspian Sea

96. Who among the following is associated with 'Sadakat Ashram'?
(a) Indira Gandhi
(b) Bhagat Singh
(c) Jayaprakash Narayan
(d) Maulana Mazharul Haq

97. Who among the following is/are badminton players?
(a) P.V. Sindhu   (b) Saina Nehwal
(c) Jwala Gutta   (d) All of these

98. Where is the 'Central Leather Research Institute' (CLRI) located?
(a) Pune   (b) Guwahati
(c) Chennai   (d) Srinagar

99. Gandhiji started the Satyagraha movement in 1919 against which of the following?
(a) Act of 1909
(b) Rowlatt Act
(c) Jallianwala Bagh Massacre
(d) None of the above

100. Siberian cranes regularly visit which bird sanctuary in India?
(a) Bharatpur Sanctuary, Rajasthan
(b) Ranganath Guest Sanctuary, Karnataka
(c) Vedantagola Sanctuary, Tamil Nadu
(d) Lal Bagh, Bangalore