RRB ALP

TEST SERIES

DATE- __ /__ /__

DAY- _____

INSTRUCTION FOR CANDIDATE

TEST SERIES NO.

SG Set 02

QUESTION- 75   **MARKS- 75**   **NEGATIVE MARK- 1/3**   **DURATION- 60 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 75 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 1/3 MARKS WILL BE DEDUCTED FOR EACH WRONG ANSWER.

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Total: 75 Que.	RRB ALP CBT I Set 02	Time: 60 Min.

RRB ALP CBT I

1). Which among the following numbers is the square root of 21316?

(a) 146   **(b)** 136   **(c)** 154   **(d)** 134

2). What is the presumed molecular mass of sulfur dioxide?

(a) 65u   **(b)** 6.4u   **(c)** 6.5u   **(d)** 64u

3). Consider the question below and decide which statement is sufficient to answer the question.
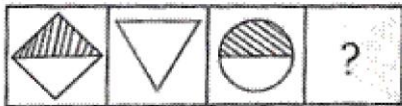Question

Find the value of P

Statement

(i) $p : p^2 :: p^2 : 1000$
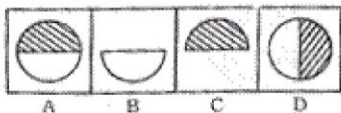
(ii) $p^2 + 2pn + n^2 = 21$

(a) Either 1 or 2 is sufficient

(b) Neither 1 or nor 2 is sufficient

(c) Only 1 is sufficient   **(d)** Only 2 is sufficient.

4). Which figure will come in place of question mark (?) in the given series?

Question figures

Answer figures

(a) C   **(b)** D   **(c)** A   **(d)** B

5). When is National Fried Clam Day celebrated?

(a) 27 June   **(b)** 29 June   **(c)** 28 June   **(d)** 3 July

6). The most important event in the reign of Ashoka was con quest of Kaling, modern_____, which proved an important transformation in his life.

(a) Odisha   **(b)** Jharkhand   **(c)** Bihar   **(d)** Assam

7). Which salt is Soda Acid used in the fire-extinguisher?

(a) Calcium Oxychloride

(b) Sodium hydrogen carbonate
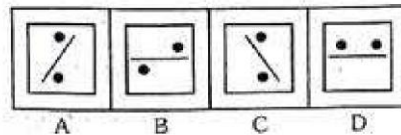
(c) Sodium Carbonate   **(d)** Sodium hydroxide

8). The second law of motion shows the relationship between event and

(a) Velocity   **(b)** Displacement   **(c)** Speed

(d) Time

9). If the kinetic energy of an object of mass 2 kg is 400 J just before hitting the earth, then from what height did it fall (g = 10 m/s^2)

(a) 20 m   **(b)** 25 m   **(c)** 10 m   **(d)** 15 m

10). Select the figure that is different from the rest.

(a) A   **(b)** B   **(c)** C   **(d)** D

11). Select the word that is related to the first word in the same way as third word is related to the fourth.

Arrangement :_____ :: Selection : Combination

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(a) Inclusion   **(b)** Simulation   **(c)** Manipulation

(d) Permutation

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12). Sahitya Academy's headquarters is located in which state of India?

(a) Varansi   **(b)** New Delhi   **(c)** Nagpur

(d) Bangaluru

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13). Choose Odd

$$\Sigma, \phi, \delta, \neq$$

(a) $\neq$ **(b)** $\sum$ **(c)** ϕ **(d)** δ

---

14). Which among the following is not related to phylum Mollusca?

(a) Octopus   **(b)** Snail   **(c)** Ketan   **(d)** Antedon

---

15). Consider the statement and the assumptions below and decide which assumptions is / are inherent in the statement?

Statement

As a part of beautification campaign, the local municipality is planning to clean the old lake in the center of the town.

Assumptions

I. If the lake is maintained well, then add to the beauty of the town and monitor the level of water of

that area.

II. The lake is full of dirt.

(a) Only II is inherent.   **(b)** Only I is inherent.

(c) Both I and II are inherent

(d) Neither I nor II is inherent.

---

16). Where will the SCO annual summit be held recently?

(a) Beijing   **(b)** Astana   **(c)** New Delhi

(d) Chennai

---

17). Recently, which country has contributed 11 lakh 60 thousand dollars to promote Hindi in the

United Nations?

(a) France   **(b)** Germany   **(c)** India   **(d)** Italy

---

18). Identify the odd one

(a) Hip Hop   **(b)** Bharatnatyam   **(c)** Odisi

(d) Kathakali

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19). Recently, who has been elected as the President of the 'European Council'?

(a) Mark Rutte   **(b)** Antonia Costa

(c) William James   **(d)** None of these

---

20). Consider the given statements even if they are different from the commonly known facts and decide which among the given conclusions follows the statement logically.

Statement

No jockey is ace.

No ace is queen.

Conclusion

I. No jockey is queen

II. All queens are jockey

(a) Only conclusion II follows

(b) Only conclusion I follows

(c) Either conclusion I or II follows.

(d) Neither conclusion I nor II follows.

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21). What will be the interest on 84.500 at 8% annual rate of interest for 1 year 6 months (in Rs.) if the interest accrues at six monthly compound?

(a) Rs.10,410   **(b)** Rs.7,030   **(c)** Rs.10,551

(d) Rs.8,457

---

22). Recently, where has the first witness protection scheme been launched to provide justice?

(a) Gujarat   **(b)** Rajasthan   **(c)** Assam   **(d)** Kerala

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23). Which of the following is a nobel gas?

(a) Sulfur   **(b)** Hydrogen   **(c)** Oxygen   **(d)** Argon

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24). What is the HCF of 88 and 220?

(a) 22   (b) 44   (c) 8   (d) 11

25). Recently, where has the Central Railway installed a 'floating solar plant'?

(a) Goa   (b) Karnataka   (c) Maharashtra

(d) Tamil Nadu

26). _____ is the meridian on which Indian Standard Time is based.

(a) 81 and half degree east longitude.

(b) 84 and half degree east longitude

(c) 82 and half degree east longitude

(d) 83 and half degree east longitude

27). Recently, where will 'Bioplastic Park' be established in Uttar Pradesh?

(a) Mathura   (b) Lakhimpur Kheri   (c) Varanasi

(d) Prayagraj

28). The statement given below is followed by two arguments. You have to decide which argument is/are strong in context of the statement.

Statement

Should job be compulsory after school?

Arguments

I. Yes, it helps develop life skill.

II. No, all the students are not mature in solving work related problems.

(a) Both logic I and II are strong.

(b) Neither logic I nor II is strong

(c) Only logic I is strong.   (d) Only logic II is strong

29). 5.5 kwh = ?

(a) $14.4 \times 10^6 J$ (b) $14.4 \times 10^8 J$ (c) $14.4 \times 10^5 J$

(d) $19.8 \times 10^6 J$

30). Nida is the son of Fazil. Fazil is the brother of Mehar. Khaif is the husband of Mehar. Mehar is Nida's

(a) Uncle   (b) Aunt   (c) Cousin sister   (d) Brother

31). Read the given statements and conclusions carefully and decide which conclusion logically follows the statement.

Statement

Mina's friend said, "Meena's mobile has more facilities in comparison to her sister's mobile"

Conclusion

I. Meena has a sister

II. Meena's friend is a very close associate of her sister

(a) Conclusion II alone follows

(b) Conclusion I alone follows

(c) Both conclusions follow

(d) Neither conclusion I nor II follows

32). When spring is compressed, work is done on it. The change in elastic potential energy.

(a) Increases   (b) Decreases.   (c) Zero

(d) Constant

33). Which elements are stored in Kerosene ?

(a) Au and Ag   (b) K and Na   (c) Si and Ha

(d) Al and Ca

34). What will be the next term in the series?

126, 132, 142, 148, ...

(a) 152   (b) 168   (c) 162   (d) 158

35). A bacteria can tolerate excessive heat, dryness, and poison Gus chemicals. This shows it can possibly make _____

(a) Endospores   (b) A wide peptidoglycan wall

(c) Andogeneous buds   (d) Endotoxins

36). A ladder goes up to a window which is located on one side of the lane 48 feet above the ground. From this position, this ladder reaches a window 55 ft high on the opposite side of the lane. If the height of the ladder is 73 feet, find the width of the lane?

(a) 110 ft   (b) 100 ft   (c) 92 ft   (d) 103 ft

37). Sperms are temporarily found in____

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(a) Spermatozon   **(b)** Epididymis

(c) Urinary bladder   **(d)** Vas eferens

---

38). What is the wavelength of sound wave in the medium whose wave length 18 840 HZ and speed is 380 m/s?

(a) 5.45 m   **(b)** 0.45 m   **(c)** 2.45 m   **(d)** 1.45 m

---

39). Choose the odd one among the following on the basis of electrical conductivity.

(a) Rubber   **(b)** Graphite   **(c)** Human body

(d) Copper

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40). Recently, who has topped the IMF Artificial Intelligence Readiness Index 2024?

(a) USA   **(b)** Denmark   **(c)** Singapore

(d) Indonesia

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41). If we shake a tree stem vigorously, some leaves fall down. This is due to___

(a) Velocity   **(b)** Free fall   **(c)** Impulsion

(d) Inertia

---

42). 15 months ago, Tuhin's age was three times the age of Sambit, who is 6 months' elder than Saumik. Five months from now Tuhin's age will be 2.5 times the age of Saumik. What is the sum of their current age.

(a) 15 years 9 months   **(b)** 15 years 7 months

(c) 15 years 5 months   **(d)** 15 years 11 months

---

43). Hitesh completes a task alone in 24 days while Jitesh completes the same task in 30 days. With the help of Ishan, they can together complete the task in 10 days. How long will Ishan take to complete this task alone?

(a) 36 days   **(b)** 40 days   **(c)** 48 days

(d) 32 days

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44). Shakti sthal is a solar energy park, which was inaugurated recently in which state?

(a) Chattisgarh   **(b)** Karnataka   **(c)** Assam

(d) Odisha

---

45). ………….. was the summer capital of the British.

(a) Darjeeling   **(b)** Dalhousie   **(c)** Shimla

(d) Ooty

---

46). Sadhana face was in the north-east direction. She turns 45 degrees southwards, and then 180 degrees left wards. Which direction is she facing now?

(a) North   **(b)** East   **(c)** West   **(d)** South

---

47). The mean of four numbers is 22. Among them the mean of the smallest three numbers is 19. If the range of the numbers is 15, then what will be the mean of the three biggest numbers?

(a) 26   **(b)** 24   **(c)** 25   **(d)** 23

---

48). Which among the followings is not a alkaline earth metal?

(a) Sodium   **(b)** Magnesium   **(c)** Calcium

(d) Barium

---

49). Positive acceleration means is

(a) The speed of the object increases

(b) The speed of the object becomes constant.

(c) The speed of the object becomes zero

(d) The speed of the object decreases

---

50). In its native state, a metal is present :

(a) in a free state

(b) as a mixture with a compound

(c) as a mixture with a non-metal

(d) as a mixture with another metal

---

51). Cow has the same relationship with milk as tree has with_____

(a) Oxygen   **(b)** Wood   **(c)** Fruit   **(d)** Shade

---

52). A is cleaning a rectangular hall, whose entry door is in the East. After entering the room, A begins cleaning the room from his left. With one stroke of broom, A makes an angle of 180 degrees. Which direction is the broom facing now?

(a) North   **(b)** South   **(c)** East   **(d)** West

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53). The reproductive parts of .... are located in the flower.

(a) Thallopyta   **(b)** Angiosperms   **(c)** Pteridophyta

(d) Bryophyta

54). There are two arguments following a statement below. Decide which argument/s is/are strong in context of statement

Question

Should the government stop making heavy expenses in border security?

Argument
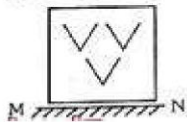
I. Yes, this is the wastage of public money.

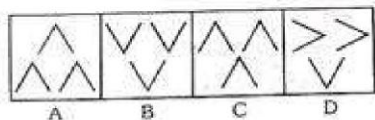II. No, this is a question of national security.

(a) Only I is strong.   **(b)** Neither I nor II is strong.

(c) Only II is strong.   **(d)** Either I or II is strong.

55). Select the mirror image of the following figure?

Question Figure

Answer Figure

(a) B   **(b)** A   **(c)** C   **(d)** D

56). Recently, BCCI has announced a prize money of how many crores for Team India's victory in the T20 World Cup?

(a) 100   **(b)** 125   **(c)** 150   **(d)** 200

57). Recently, which bank has approved a loan of $ 1.5 billion for India's 'Green Hydrogen Campaign'?

(a) ADB   **(b)** NDB   **(c)** World Bank

(d) Kotak Bank

58). Consider the equation $PbO + HCl \rightarrow PbCl_2 + H_2O$. In order to balance the above equation, _____ moles of HCL will be required.

(a) 4   **(b)** 3   **(c)** 2   **(d)** 1

59). Which of the following quantities specifies the direction of motion along with its speed ?

(a) Momentum   **(b)** Displacement   **(c)** Force

(d) Velocity

60). You are given a question and two statements. You have to tell which statement is sufficient/necessary to answer the question.

Question

Nayan has 6 boards of three different sizes. Find out the number of rectangular boards he has

Statements

(i) The number of rectangular and oval boards are the same.

(ii) There is one circular board.

(a) Only statement 2 is sufficient.

(b) Only statement 1 is sufficient.

(c) Statement I and II both are sufficient.

(d) Statement 1 and 2 both are not insufficient.

61). Recently, who will host the second edition of Tech Mahindra Global Chess League?

(a) London   **(b)** Paris   **(c)** Lucknow   **(d)** New York

62). Consider the question below and decide which statement is sufficient to answer the question.

Question

Find the value of X?

Statement

I. The sum of the square of consecutive positive numbers is 52

II. The difference of the numbers is 2.

(a) Only statement II is sufficient while statement I alone is not sufficient.

(b) Statement I and II both are sufficient.

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(c) Neither statement I nor statement II is sufficient.

(d) Only statement I is sufficient while statement II alone is not sufficient.

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63). What is the capital of Naga CB land?
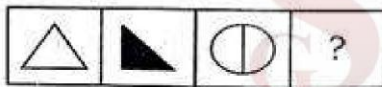
(a) Kohima   **(b)** Gangtok   **(c)** Imphal   **(d)** Dispur

---

64). The square root of which 'among the following numbers is an irrational number?

(a) 8464   **(b)** 3136   **(c)** 4235   **(d)** 7225

---

65). 46% of the tickets sold on a day was purchased by students. If that day the number of tickets sold was 1250, then how many tickets were purchased by the students?

(a) 580   **(b)** 575   **(c)** 570   **(d)** 550

---

66). Select the figure which is related to the third figure in the same way as the first is related to the second.

---

67). NYLON is written as 1 4 2 5 1 21514, then how will COTTON be written?

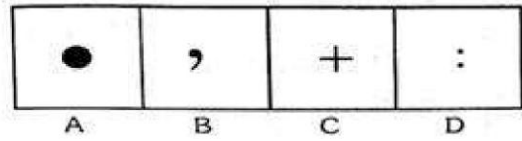**(a)** 31520201514   **(b)** 315010623   **(c)** 516891012

(d) 5019234

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68). Cytokinin in plants_____

(a) Helps in cell division

(b) Helps the growth of stem

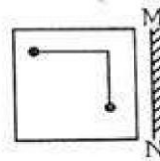**(c)** Promotes length in cells Par

(d) Prohibits growth

---

69). The three Figures among the figures given below are similar in some ways. Select the figure which is unlike the other three.

(a) D   **(b)** A   **(c)** C   **(d)** C

---

70). If a mirror is placed along line MN, then find out the mirror image of the given figure?

---

71). Which among the following is not the property of base?

(a) It dissolves the solid contents

(b) It produces hydrogen ion in water.

(c) It turns red litmus to blue

(d) It is like slippery slope.

---

72). Which of the following is not a characteristic of the sound wave?

(a) Amplitude   **(b)** Velocity

(c) Time period and frequency   **(d)** Density

---

73). Read the given question and decide which statement is sufficient to answer the question.

Question

Who is the eldest among T,V and W?

Statement

(i) T is elder than W.

(ii) W is elder sister of V

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(a) Only statement 2 is sufficient.

(b) Statement 1 and 2 both are sufficient.

(c) Only statement 1 is sufficient.

(d) Statement 1 and 2 both are insufficient.

74).   The SI unit of electric current is :

(a) Volt   **(b)** Ohm   **(c)** Ampere   **(d)** Ohm-m

75).   Snajay was going in the South-East direction. He suddenly turns 90 degrees right. Which direction is he facing now?

(a) North-east   **(b)** South-east   **(c)** South-west

(d) North-west