

# RRB ALP CBT-1 MODEL QUESTION PAPER WITH KEY

## Mathematics

1. If 30% of a number is 90, what is the number?

- A) 250
- B) 300
- C) 350
- D) 400

Answer: B) 300

2. What is the value of  $18^2 - 10^2$ ?

- A) 224
- B) 264
- C) 284
- D) 324

Answer: B) 224

3. Find the compound interest on Rs. 6000 at 5% per annum for 2 years.

- A) 615
- B) 620
- C) 630
- D) 645

Answer: C) 630

4. The area of a triangle is  $48 \text{ cm}^2$  and its base is 8 cm. What is its height?

- A) 10 cm
- B) 11 cm
- C) 12 cm
- D) 14 cm

Answer: C) 12 cm

5. If a car travels 300 km in 5 hours, what is its average speed?

A) 55 km/hr

B) 60 km/hr

C) 65 km/hr

D) 70 km/hr

Answer: B) 60 km/hr

6. If 30% of a number is 90, what is the number?

A) 250

B) 300

C) 350

D) 400

Answer: B) 300

7. What is the value of  $18^2 - 10^2$ ?

A) 224

B) 264

C) 284

D) 324

Answer: B) 224

8. Find the compound interest on Rs. 6000 at 5% per annum for 2 years.

A) 615

B) 620

C) 630

D) 645

Answer: C) 630

9. The area of a triangle is  $48 \text{ cm}^2$  and its base is 8 cm. What is its height?

A) 10 cm

B) 11 cm

C) 12 cm

D) 14 cm

Answer: C) 12 cm

10. If a car travels 300 km in 5 hours, what is its average speed?

A) 55 km/hr

B) 60 km/hr

C) 65 km/hr

D) 70 km/hr

Answer: B) 60 km/hr

11. If 30% of a number is 90, what is the number?

A) 250

B) 300

C) 350

D) 400

Answer: B) 300

12. What is the value of  $18^2 - 10^2$ ?

A) 224

B) 264

C) 284

D) 324

Answer: B) 224

13. Find the compound interest on Rs. 6000 at 5% per annum for 2 years.

A) 615

B) 620

C) 630

D) 645

Answer: C) 630

14. The area of a triangle is  $48 \text{ cm}^2$  and its base is 8 cm. What is its height?

A) 10 cm

B) 11 cm

C) 12 cm

D) 14 cm

Answer: C) 12 cm

15. If a car travels 300 km in 5 hours, what is its average speed?

A) 55 km/hr

B) 60 km/hr

C) 65 km/hr

D) 70 km/hr

Answer: B) 60 km/hr

16. If 30% of a number is 90, what is the number?

A) 250

B) 300

C) 350

D) 400

Answer: B) 300

17. What is the value of  $18^2 - 10^2$ ?

A) 224

B) 264

C) 284

D) 324

Answer: B) 224

18. Find the compound interest on Rs. 6000 at 5% per annum for 2 years.

A) 615

B) 620

C) 630

D) 645

Answer: C) 630

19. The area of a triangle is  $48 \text{ cm}^2$  and its base is 8 cm. What is its height?

A) 10 cm

B) 11 cm

C) 12 cm

D) 14 cm

Answer: C) 12 cm

20. If a car travels 300 km in 5 hours, what is its average speed?

A) 55 km/hr

B) 60 km/hr

C) 65 km/hr

D) 70 km/hr

Answer: B) 60 km/hr

21. If 30% of a number is 90, what is the number?

A) 250

B) 300

C) 350

D) 400

Answer: B) 300

22. What is the value of  $18^2 - 10^2$ ?

A) 224

B) 264

C) 284

D) 324

Answer: B) 224

23. Find the compound interest on Rs. 6000 at 5% per annum for 2 years.

A) 615

B) 620

C) 630

D) 645

Answer: C) 630

24. The area of a triangle is  $48 \text{ cm}^2$  and its base is 8 cm. What is its height?

A) 10 cm

B) 11 cm

C) 12 cm

D) 14 cm

Answer: C) 12 cm

25. If a car travels 300 km in 5 hours, what is its average speed?

A) 55 km/hr

B) 60 km/hr

C) 65 km/hr

D) 70 km/hr

Answer: B) 60 km/hr

### **Mental Ability and Reasoning**

26. What comes next in the series: 9, 18, 27, 36, ?

A) 45

B) 48

C) 54

D) 63

Answer: A) 45

27. If in a certain code language 'GREEN' is written as 'HSFRO', how is 'WHITE' written?

A) XJLUF

B) XJUWF

C) XJHVF

D) XJUUF

Answer: B) XJUWF

28. Find the missing number in the series: 10, 21, 43, 87, ?

A) 130

B) 174

C) 175

D) 176

Answer: D) 176

29. In a certain language, if 'PAPER' is coded as 'QBQFS', how is 'PENCIL' written?

A) QFODJM

B) QFODIN

C) QFODJN

D) QFODJL

Answer: C) QFODJN

30. Find the odd one out: 16, 25, 36, 49, 81

A) 16

B) 25

C) 49

D) 81

Answer: A) 16

31. What comes next in the series: 9, 18, 27, 36, ?

A) 45

B) 48

C) 54

D) 63

Answer: A) 45

32. If in a certain code language 'GREEN' is written as 'HSFRO', how is 'WHITE' written?

A) XJLUF

B) XJUWF

C) XJHVF

D) XJUWF

Answer: B) XJUWF

33. Find the missing number in the series: 10, 21, 43, 87, ?

A) 130

B) 174

C) 175

D) 176

Answer: D) 176

34. In a certain language, if 'PAPER' is coded as 'QBQFS', how is 'PENCIL' written?

A) QFODJM

B) QFODIN

C) QFODJN

D) QFODJL

Answer: C) QFODJN

35. Find the odd one out: 16, 25, 36, 49, 81

A) 16

B) 25

C) 49

D) 81

Answer: A) 16

36. What comes next in the series: 9, 18, 27, 36, ?

A) 45

B) 48

C) 54

D) 63

Answer: A) 45

37. If in a certain code language 'GREEN' is written as 'HSFRO', how is 'WHITE' written?

A) XJLUF

B) XJUWF

C) XJHVF

D) XJUVF

Answer: B) XJUWF

38. Find the missing number in the series: 10, 21, 43, 87, ?

A) 130

B) 174

C) 175

D) 176

Answer: D) 176

39. In a certain language, if 'PAPER' is coded as 'QBQFS', how is 'PENCIL' written?

A) QFODJM

B) QFODIN

C) QFODJN

D) QFODJL

Answer: C) QFODJN

40. Find the odd one out: 16, 25, 36, 49, 81

A) 16

B) 25

C) 49

D) 81

Answer: A) 16

41. What comes next in the series: 9, 18, 27, 36, ?

A) 45

B) 48

C) 54

D) 63

Answer: A) 45

42. If in a certain code language 'GREEN' is written as 'HSFRO', how is 'WHITE' written?

A) XJLUF

B) XJUWF

C) XJHVF

D) XJUUF

Answer: B) XJUWF

43. Find the missing number in the series: 10, 21, 43, 87, ?

A) 130

B) 174

C) 175

D) 176

Answer: D) 176

44. In a certain language, if 'PAPER' is coded as 'QBQFS', how is 'PENCIL' written?

A) QFODJM

B) QFODIN

C) QFODJN

D) QFODJL

Answer: C) QFODJN

45. Find the odd one out: 16, 25, 36, 49, 81

A) 16

B) 25

C) 49

D) 81

Answer: A) 16

46. What comes next in the series: 9, 18, 27, 36, ?

A) 45

B) 48

C) 54

D) 63

Answer: A) 45

47. If in a certain code language 'GREEN' is written as 'HSFRO', how is 'WHITE' written?

A) XJLUF

B) XJUWF

C) XJHVF

D) XJUUVF

Answer: B) XJUWF

48. Find the missing number in the series: 10, 21, 43, 87, ?

A) 130

B) 174

C) 175

D) 176

Answer: D) 176

49. In a certain language, if 'PAPER' is coded as 'QBQFS', how is 'PENCIL' written?

A) QFODJM

B) QFODIN

C) QFODJN

D) QFODJL

Answer: C) QFODJN

50. Find the odd one out: 16, 25, 36, 49, 81

A) 16

B) 25

C) 49

D) 81

Answer: A) 16

## **General Science**

51. What is the chemical symbol for calcium?

A) Ca

B) C

C) Cl

D) Ce

Answer: A) Ca

52. What is the atomic number of Sodium?

A) 10

B) 11

C) 12

D) 14

Answer: B) 11

53. Which organ in the human body is responsible for producing insulin?

A) Liver

B) Kidney

C) Pancreas

D) Heart

Answer: C) Pancreas

54. What is the chemical formula for carbon dioxide?

A) CO

B) CO<sub>2</sub>

C) H<sub>2</sub>O

D) CH<sub>4</sub>

Answer: B) CO<sub>2</sub>

55. Which vitamin is known as 'Riboflavin'?

A) Vitamin A

B) Vitamin B<sub>2</sub>

C) Vitamin C

D) Vitamin D

Answer: B) Vitamin B<sub>2</sub>

56. What is the chemical symbol for calcium?

A) Ca

B) C

C) Cl

D) Ce

Answer: A) Ca

57. What is the atomic number of Sodium?

A) 10

B) 11

C) 12

D) 14

Answer: B) 11

58. Which organ in the human body is responsible for producing insulin?

A) Liver

B) Kidney

C) Pancreas

D) Heart

Answer: C) Pancreas

59. What is the chemical formula for carbon dioxide?

A) CO

B) CO<sub>2</sub>

C) H<sub>2</sub>O

D) CH<sub>4</sub>

Answer: B) CO<sub>2</sub>

60. Which vitamin is known as 'Riboflavin'?

A) Vitamin A

B) Vitamin B<sub>2</sub>

C) Vitamin C

D) Vitamin D

Answer: B) Vitamin B2

61. What is the chemical symbol for calcium?

A) Ca

B) C

C) Cl

D) Ce

Answer: A) Ca

62. What is the atomic number of Sodium?

A) 10

B) 11

C) 12

D) 14

Answer: B) 11

63. Which organ in the human body is responsible for producing insulin?

A) Liver

B) Kidney

C) Pancreas

D) Heart

Answer: C) Pancreas

64. What is the chemical formula for carbon dioxide?

A) CO

B) CO<sub>2</sub>

C) H<sub>2</sub>O

D) CH<sub>4</sub>

Answer: B) CO<sub>2</sub>

65. Which vitamin is known as 'Riboflavin'?

A) Vitamin A

B) Vitamin B<sub>2</sub>

C) Vitamin C

D) Vitamin D

Answer: B) Vitamin B<sub>2</sub>

66. What is the chemical symbol for calcium?

A) Ca

B) C

C) Cl

D) Ce

Answer: A) Ca

67. What is the atomic number of Sodium?

A) 10

B) 11

C) 12

D) 14

Answer: B) 11

68. Which organ in the human body is responsible for producing insulin?

A) Liver

B) Kidney

C) Pancreas

D) Heart

Answer: C) Pancreas

69. What is the chemical formula for carbon dioxide?

A) CO

B) CO<sub>2</sub>

C) H<sub>2</sub>O

D) CH<sub>4</sub>

Answer: B) CO<sub>2</sub>

70. Which vitamin is known as 'Riboflavin'?

A) Vitamin A

B) Vitamin B<sub>2</sub>

C) Vitamin C

D) Vitamin D

Answer: B) Vitamin B<sub>2</sub>

71. What is the chemical symbol for calcium?

A) Ca

B) C

C) Cl

D) Ce

Answer: A) Ca

72. What is the atomic number of Sodium?

A) 10

B) 11

C) 12

D) 14

Answer: B) 11

73. Which organ in the human body is responsible for producing insulin?

A) Liver

B) Kidney

C) Pancreas

D) Heart

Answer: C) Pancreas

74. What is the chemical formula for carbon dioxide?

A) CO

B) CO<sub>2</sub>

C) H<sub>2</sub>O

D) CH<sub>4</sub>

Answer: B) CO<sub>2</sub>

75. Which vitamin is known as 'Riboflavin'?

A) Vitamin A

B) Vitamin B<sub>2</sub>

C) Vitamin C

D) Vitamin D

Answer: B) Vitamin B<sub>2</sub>