R.R.B. Bhubaneshwar (A.S.M) Exam Solved Paper (EXAM Held on 30-8-2009)

1. Where is the Punjab Lalit Kala Academy located?
   (A) Muktasar   (B) Ludhiana   (D)
   (C) Patiala   (D) Chandigarh

2. What does happens when water is condensed into ice ?   (A)
   (A) Heat is absorbed   (B) Heat is released
   (C) Quantity of heat remains unchanged
   (D) None of these

3. Which of the following gases is not a noble gas?
   (A) Zenon   (B) Argon   (D)
   (C) Helium   (D) Chlorine

4. Which of the following diffuses most quickly ?
   (A) Solid   (B) Gas   (B)
   (C) Liquid   (D) None of these

5. Which temperature in Celsius scale is equal to 300 K ?   (B)
   (A) 30°C   (B) 27°C
   (C) 300°C   (D) None of these

6. First Youth Olympic games will be held in— (D)
   (A) Japan   (B) China
   (C) North Korea   (D) Singapore

7. Where was the capital of Pandya dynasty situated ?
   (A) Mysore   (B) Kanchipuram   (C)
   (C) Madurai   (D) Delhi

8. Tripitik is the scripture of—   (C)
   (A) Jain religion   (B) Hindu religion
   (C) Buddhishtha religion
   (D) Muslim religion

9. Who is the author of 'Adhe-Adhure' ?   (A)
   (A) Mohan Rakesh   (B) Prem Chand
   (C) Nirala   (D) Pant

10. Which of the following Constitutional Amendments has included fundamental duties into the Constitution ?   (A)
    (A) 42nd   (B) 43rd
    (C) 44th   (D) 39th

11. Where is the Central Food Technology Research Institute situated ?   (D)
    (A) Delhi   (B) Anand
    (C) Ahmedabad   (D) Mysore

12. Which of the following is common in both, Buddhism and Jainism ?   (A)
    (A) Nonviolence   (B) Violence
    (C) Triratna   (D) Truth

13. Light-year measures which of the following ?
    (A) Intensity of light   (B) Mass   (D)
    (C) Time   (D) Distance

14. Which of the following gases is used for ripening the fruits ?   (C)
    (A) Methane   (B) Ethane
    (C) Ethylene   (D) Acetylene

15. Who among the following was involved in Alipore bomb case ?   (A)
    (A) Aravind Ghosh   (B) P. C. Banerjee
    (C) Bipin Chandra Paul
    (D) Chandrashekhar Azad

16. Sikh Guru Arjundev was contemporary to which of the following rulers ?   (D)
    (A) Humayun   (B) Akbar
    (C) Shahjahan   (D) Jahangir

17. Besides hydrogen, which of the following elements is common in organic compounds ?
    (A) Phosphorus   (B) Sulphur   (D)
    (C) Nitrogen   (D) Carbon

Directions—(Q. 18–21) Find the correct meanings of the words given below :

18. EWE   (B)
    (A) Calf   (B) Female sheep
    (C) Deer   (D) None of these

19. Buffalo   (C)
    (A) Calf   (B) Baby box
    (C) Baby bison   (D) Baby cow

20. Veneration—   (B)
    (A) Esteem   (B) High respect
    (C) Devotion   (D) Worship

21. Vicious—   (D)
    (A) Remorseless   (B) Ferocious
    (C) Kind   (D) Wicked

Directions—(Q. 22–25) Choose the word / phrase which is nearest in meaning to the words in question :

22. Bizarre   (B)
    (A) Colourful   (B) Odd
    (C) Insipid   (D) Smart

23. Innuendo   (B)
    (A) Narration   (B) Insinuation
    (C) Insist   (D) Insutale

24. Salutary   (C)
    (A) Welcome   (B) Discharge
    (C) Promoting   (D) Remove

25. Fictile   (B)
    (A) Fiction   (B) Moulded
    (C) Fictitious   (D) Smooth

1

26. Solid Carbon dioxide is termed as— (B)
    (A) Soft ice (B) Dry ice
    (C) White ice (D) None of these

27. 1 kg of a liquid is converted into its vapour at its boiling point. The heat absorbed in the process is called— (A)
    (A) Latent heat of vaporisation
    (B) Latent heat of fusion
    (C) Latent heat of sublimation
    (D) None of these

28. Whether all the universities in the country should start online admission at all levels with immediate effect ? (D)
    (i) No, since all the students may not have access to the internet easily.
    (ii) Yes, it may liberate the students and their parents from the long-standing problems of knocking at the doors of different colleges and standing in queue.
    (A) Only argument (i) is correct
    (B) Only argument (ii) is correct
    (C) Neither argument (i) nor argument (ii) is correct
    (D) Both the arguments, (i) and (ii), are correct

29. The product 'Fair and Lovely' is related to— (D)
    (A) WIPRO (B) I.T.C.
    (C) P & G (D) H.U.L.

30. Should the Government make it compulsory for the private medical colleges to join the entrance test conducted by the Government ? (B)
    (i) No, private institutions should be empowered, so that they may decide their own admission strategy and improve their work-management.
    (ii) Yes, all medical institutions, whether these are private or government's, should adopt the same entrance standard.
    (A) Only argument (i) is correct
    (B) Only argument (ii) is correct
    (C) Either argument (i) is correct or argument (ii) is correct
    (D) Neither argument (i) is correct nor argument (ii) is correct

31. In case the President of India decides to resign, he will address his letter of resignation to— (D)
    (A) Prime Minister (B) Chief Justice
    (C) Speaker of Lok Sabha
    (D) Vice-President

32. The metal extracted from Bauxite is— (D)
    (A) Silver (B) Copper
    (C) Manganese (D) Aluminium

33. The Cyclone represents a state of atmosphere in which— (A)
    (A) Low pressure in the center and high pressure around

(B) There is high pressure in the center and low pressure around
(C) There is low pressure all around
(D) None of these

34. The 'Ocean of Storms' is the name given to— (C)
    (A) Atlantic Ocean
    (B) Pacific Ocean
    (C) A waterless area on moon surface
    (D) None of these

35. The capital of Pallavas was— (B)
    (A) Arcot (B) Kanchi
    (C) Malkhed (D) Banavasi

36. Which Indian state was ranked as the No. 2 tourist destination in the world by LONELY PLANET?
    (A) Himachal Pradesh (B) Tamil Nadu (C)
    (C) Kerala (D) Uttarakhand

37. How much water is contained in our body by mass?
    (A) 65% (B) 70% (B)
    (C) 60% (D) None of these

38. What determines the sex of a child ? (A)
    (A) Chromosomes of the father
    (B) Chromosomes of the mother
    (C) RH factor of the parents
    (D) Blood group of the father

39. The two civilizations which helped in the formation of Gandhara School of Art are— (D)
    (A) Indian and Roman
    (B) Indian and Egyptian
    (C) Greek and Roman
    (D) Indian and Greek

40. 'Thinkpad' is a laptop associated with which among the following companies ? (D)
    (A) HP (B) TCS
    (C) Infosys (D) IBM

41. The first summit of SAARC was held at— (D)
    (A) Kathmandu (B) Colombo
    (C) New Delhi (D) Dhaka

42. The wire of flash bulb is made of— (C)
    (A) Copper (B) Barium
    (C) Magnesium (D) Silver

43. The curves showing the volume pressure behaviour of gases plotted at different fixed temperatures are called— (B)
    (A) Isochors
    (B) Isothermals
    (C) V.T.P. Curves
    (D) Isocurves

44. Project Tiger was launched in— (A)
    (A) 1973 (B) 1976
    (C) 1978 (D) 1983

2

Directions—(Q. 45 and 46) Attempt the question to the best of your judgement.

45. How many letters in the word TRYST have as many letters between them as in the alphabet ?
(A) None   (B) 2   **(B)**
(C) 3   (D) 4

46. From the alternatives, select the set which is most like the given set. Given set (23, 29, 31)—   **(D)**
(A) (17, 21, 29)   (B) (31, 37, 49)
(C) (13, 15, 23)   (D) (41, 43, 47)

Directions—What should come in place of question mark (?) in the following number series ?

47. 13 13 65 585 7605 129285 …?…   **(D)**
(A) 2456415   (B) 2235675
(C) 2980565   (D) 2714985

48. If 'VEHEMENT' is written as 'VEHETNEM' then in that code how will you code 'MOURNFUL' ?
(A) MOURLUFN   (B) MOUNULFR   **(A)**
(C) OURMNFUL   (D) URNFULMO

49. MOLLIFY is to APPEASE as APPURTENANCE is to ?   **(C)**
(A) Gratify   (B) Avarice
(C) Accessory   (D) Amend

50. Praduman is older than Janaki; Shreshtha is older than Chhama; Ravindra is not as old as Shreshtha but is older than Janaki. Chhama is not as old as Janaki. Who is the youngest?
(A) Praduman   (B) Janaki   **(D)**
(C) Shreshtha   (D) Chhama

51. In a row of children facing North, Bharat is eleventh from the right end and is third to the right of Samir who is fifteenth from the left end. Total how many children are there in the row ?   **(B)**
(A) 29   (B) 28
(C) 30   (D) 27

52. Which number is missing ?   **(B)**
45389, ?, 453, 34
(A) 34780   (B) 8354
(C) 4892   (D) 3478

53. If in the word CALIBRE, the previous letter in the English alphabet replaces each consonant and each vowel is replaced by the next letter and then the order of letters is reversed, which letter will be third from the right end ?   **(D)**
(A) A   (B) C
(C) B   (D) K

54. How many such digits are there in the number 57683421, each of which is as far away from the beginning of the number, as they will be when arranged in descending order within the number ?
(A) One   (B) Two   **(D)**
(C) Three   (D) More than three

Directions—(Q. 55 to 57) In the following question there are two words to the left of the sign (::) which are connected in some way. The same relationship obtains between the third word and one of the four alter-natives under it. Find the correct alternative in each case.

55. Medicine : Sickness : : Book : ?   **(A)**
(A) Ignorance   (B) Knowledge
(C) Author   (D) Teacher

56. River : Dam : : Traffic : ?   **(A)**
(A) Signal   (B) Vehicle
(C) Motion   (D) Lane

57. Session : Concludes : : ? : Lapses   **(D)**
(A) Leave   (B) Permit
(C) Agency   (D) Policy

58. If 16 = 11, 25 = 12, 36 = 15, then 49 = ?   **(B)**
(A) 14   (B) 20
(C) 19   (D) 17

59. Pick out the odd in the following—   **(D)**
(A) Ashok—Assam   (B) Poonam—Punjab
(C) Gyanendra—Gujarat (D) Anjana—Rajasthan

60. KEATS = 25, SHELLEY = 35, BROWNING = ?
(A) 45   (B) 37   **(D)**
(C) 50   (D) 40

Directions—(Q. 61 and 62) What approximate value should come in place of question-mark (?) in the following questions ?
(You are not expected to calculate the exact value)

61. (9321 + 5406 + 1001) ÷ (498 + 929 + 660) = ?
(A) 13·5   (B) 4·5   **(D)**
(C) 16·5   (D) 7·5

62. 561204 ×58 = ? ×55555   **(C)**
(A) 606   (B) 646
(C) 586   (D) 716

63. The difference between the greatest number and the smallest number of 5 digits 0, 1, 2, 3, 4 using all but once is—   **(A)**
(A) 32976   (B) 32679
(C) 32769   (D) None of these

64. Area of a parallelogram whose base is 9 cm and height 4 cm is ……… sq cm.   **(C)**
(A) 9   (B) 4
(C) 36   (D) 13

65. The number which is neither prime nor composite is—   **(B)**
(A) 0   (B) 1
(C) 3   (D) 2

66. The length of a room is three times its breadth. If the perimeter of the room is 64 cm, then its breadth is ……… cm.   **(D)**
(A) 64   (B) 32
(C) 16   (D) 8

67. Aditi read 4/5th of Tintin comic book which has 100 pages. How many pages of the book is not yet read by Aditi ? (D)
(A) 40 (B) 60
(C) 80 (D) 20

68. What is the meaning of beckoned ? (A)
(A) Summon by sign or gesture
(B) Did not signal
(C) Did not call
(D) Invite

69. A box contains coins (equal no. of every one) of rupee and half rupee, coins of 25 paise, 10 paise, 5 paise value, 2 paise value and one paise value. The total value of coins in the box is Rs. 1158. Find the number of coins of each value. (D)
(A) 500 (B) 400
(C) 700 (D) 600

70. The area of a rhombus with diagonals 12 cm and 20 cm is ……… sq cm. (A)
(A) 120 (B) 12
(C) 20 (D) 240

71. A piece of road is one kilometer in length. We have to supply lamp posts. One post at each end, distance between two consecutive lamp posts is 25 metres. The number of lamp posts required is— (A)
(A) 41 (B) 51
(C) 61 (D) 42

72. There are 800 students in a class. On one particular day, if 1/10th of the students were absent, how many students were present ? (C)
(A) 700 (B) 650
(C) 720 (D) 750

73. The quotient in a division is 403. The divisor is 100 and the remainder is 58, the dividend is—
(A) 40458 (B) 34058 (D)
(C) 43058 (D) 40358

74. A labourer was engaged for 25 days on the condition that for every day, he works, he will be paid Rs. 2 and for every day, he is absent he will be fined 50p. If he receives only Rs. 37-50, find the no. of days he was absent— (A)
(A) 5 (B) 6
(C) 7 (D) 4

Directions—(Q. 75 to 77) Choose the word/phrase which is most opposite in meaning to the word ?

75. Quixotic (C)
(A) Visionary (B) Whimsical
(C) Realistic (D) Foolish

76. Rabid (B)
(A) Mad (B) Normal
(C) Furious (D) Fanatical

77. Scurrilous (A)
(A) Inoffensive (B) Vulgar
(C) Insulting (D) Coarse

78. Digits of first place and third place are interchanged of the numbers 349, 483, 766, 598, 674 and then the new numbers are arranged in ascending order. Which would be the fourth number ? (D)
(A) 483 (B) 766
(C) 674 (D) 598

79. What least number should be added to 2600 to make it a complete square ? (C)
(A) 3 (B) 9
(C) 1 (D) 25

80. When sun-light passes through a glass prism, which of the following colours refracts the most?
(A) Blue (B) Red (A)
(C) Orange (D) Green

81. If $(78)^2$ is subtracted from the square of a number, we get 6460. What is that number ? (B)
(A) 109 (B) 112
(C) 111 (D) 115

82. The difference between 28% and 42% of a number is 210. What is 59% of this number ?
(A) 900 (B) 420 (C)
(C) 885 (D) None of these

83. A–B means A is the father of B. A + B means A is the daughter of B. A ÷ B means A is the son of B. A ×B means A is the wife of B. Then, what is the relation of P with T in the expression P + S – T ?
(A) Son (B) Daughter (C)
(C) Sister (D) Wife

84. Ellora caves in Maharashtra were built during the rule of which of the following dynasties ? (A)
(A) Rashtrakoot (B) Pallav
(C) Pala (D) Chola

85. But for the Surgeon's skill, the patient ……… died.
(A) may have (B) must have (D)
(C) should have (D) would have

86. I want to see the Principal, …… I have something to tell him urgently. (C)
(A) so (B) for
(C) since (D) and

87. I wasn't really listening and didn't ……… what he said. (A)
(A) catch (B) receive
(C) accept (D) take

88. The first division of Congress took place in—
(A) Surat (B) Kolkata (A)
(C) Allahabad (D) Chennai

89. What is ginger ? (B)
(A) Flower (B) Root
(C) Stem (D) Leaf

90. Battle of Kalinga was fought at which of the following places ? (B)
(A) Udaigiri (B) Dhauli
(C) Balasore (D) Barabaki

4