Sample Paper (Solved)
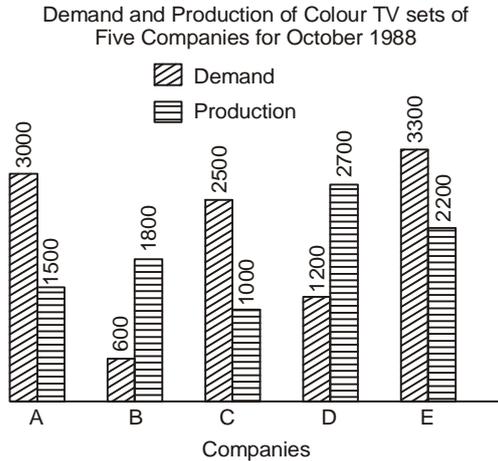## Common Computer Based Test (CBT)
RRB–Non Technical Categories
Goods Guard, Assistant Station Master (ASM), Traffic Apprentice (TA), Senior Clerk-cum-Typist, Junior Accounts Assistant-cum-Typist (JAA), Commercial Apprentice (CA), Senior Time Keeper, Enquiry-cum-Reservation Clerk (ECRC) & Traffic Assistant

Recruitment Exam, 2016

1. The face value of 8 in the numeral 458926 is:
   A. 8000
   B. 8
   C. 1000
   D. 458000

2. $\left(1-\dfrac{1}{3}\right)\left(1-\dfrac{1}{4}\right)\left(1-\dfrac{1}{5}\right)...\left(1-\dfrac{1}{n}\right) = x$ then the value of x is:

   A. $\dfrac{1}{n}$
   B. $\dfrac{2}{n}$

   C. $\dfrac{2(n-1)}{n}$
   D. $\dfrac{2}{n(n+1)}$

3. If $\dfrac{x}{y}=\dfrac{3}{4}$, then the value of $\left(\dfrac{6}{7}+\dfrac{y-x}{y+x}\right)$ equals:

   A. $\dfrac{5}{7}$
   B. $1\dfrac{1}{7}$
   C. 1
   D. 2

4. HCF of 1485 and 4356 is:
   A. 189
   B. 89
   C. 99
   D. 83

5. Which of the following is in ascending order?

   A. $\dfrac{5}{7},\dfrac{7}{8},\dfrac{9}{11}$
   B. $\dfrac{5}{7},\dfrac{9}{11},\dfrac{7}{8}$

   C. $\dfrac{7}{8},\dfrac{5}{7},\dfrac{9}{11}$
   D. $\dfrac{9}{11},\dfrac{7}{8},\dfrac{5}{7}$

6. The largest number which exactly divides 210, 315, 147 and 161 is:
   A. 3
   B. 7
   C. 21
   D. 4410

7. If $\dfrac{17.28 \div x}{3.6 \times 0.2} = 2$ then, the value of x is:
   A. 120
   B. 1.20
   C. 12
   D. 0.12

8. 171 ÷ 19 × 9 equals:
   A. 0
   B. 1
   C. 18
   D. 81

9. 3120 ÷ 26 + 13 × 30 equals:
   A. 2400
   B. 3900
   C. 536
   D. None of these

10. If $x = \dfrac{\sqrt{5}+\sqrt{3}}{\sqrt{5}-\sqrt{3}}$ and $y = \dfrac{\sqrt{5}-\sqrt{3}}{\sqrt{5}+\sqrt{3}}$, then $(x+y)$ is equal to:
    A. 8
    B. 6
    C. $2\sqrt{15}$
    D. $2\left(\sqrt{5}+\sqrt{3}\right)$

11. $2^{x+1} + 2^{x+3} = 2560$, then x is equal to:
    A. 12
    B. 11
    C. 8
    D. 6

12. The prices of a scooter and a television set are in the ratio 3 : 2. If a scooter costs ₹ 6000 more than the television set, the price of the television set is:
    A. ₹ 18000
    B. ₹ 12000
    C. ₹ 10000
    D. ₹ 6000

13. The weight of a 13 metres long iron rod be 23.4 kg. The weight of 6 metres long of such rod will be:
    A. 7.2 kg
    B. 12.4 kg
    C. 10.8 kg
    D. 18 kg

14. Anil started a business investing ₹ 70,000. After 8 months Vimal joined him with a capital of ₹ 1,80,000. In what ratio should Anil and Vimal share the profit after two years?
A. 8 : 7   B. 7 : 5
C. 7 : 6   D. None of these

15. A, B and C starts a business. A invests ₹ 3,20,000 for four months. B invests ₹ 5,10,000 for three months and C invests ₹ 2,70,000 for five months. If at the end of year there is a profit of ₹ 1,24,800, then share of B is:
A. ₹ 79000   B. ₹ 49200
C. ₹ 50000   D. ₹ 45900

16. The average age of a committee of seven trustees is the same as it was 5 years ago; a young man having been substituted for one of them. The new man compared to the replaced old man, is younger in age by:
A. 5 years   B. 7 years
C. 12 years   D. 35 years

17. The average expenditure of a man for the first five months is ₹ 120 and for the next seven months is ₹ 130. His monthly average income if he saves ₹ 290 in that year, is:
A. ₹ 160   B. ₹ 170
C. ₹ 150   D. ₹ 140

18. A loss of 5% was suffered by selling a plot for ₹ 4085. The cost price of the plot was:
A. ₹ 4350   B. ₹ 4259.25
C. ₹ 4200   D. ₹ 4300

19. On selling an article for ₹ 240, a trader loses 4%. In order to gain 10%, he must sell that article for:
A. ₹ 264.00   B. ₹ 273.20
C. ₹ 275.00   D. ₹ 280.00

20. A certain sum of money at simple interest amounts to ₹ 1260 in 2 years and to ₹ 1350 in 5 years. The rate per cent per annum is:
A. 2.5%   B. 3.75%
C. 5%   D. 7.5%

21. A sum of money doubles itself in 5 years. It will become 4 times itself in:
A. 10 years   B. 12 years
C. 15 years   D. 20 years

22. A, B and C can do a piece of work in 6, 12 and 24 days respectively. They altogether will complete the work in:
A. $3\dfrac{3}{7}$ days   B. $\dfrac{7}{24}$ days
C. $4\dfrac{4}{5}$ days   D. $\dfrac{5}{24}$ days

23. A, B and C contract a work for ₹ 550. Together A and B are to do $\dfrac{7}{11}$ of the work. The share of C should be:
A. ₹ $183\dfrac{1}{3}$ B. ₹ 200
C. ₹ 300   D. ₹ 400

24. If the ratio of the areas of two squares is 9 : 1, the ratio of their perimeters is:
A. 9 : 1   B. 3 : 1
C. 3 : 4   D. 1 : 3

25. The perimeter of both, a square and a rectangle are each equal to 48 m and the difference between their areas is 4 m². The breadth of the rectangle is:
A. 10 m
B. 12 m
C. 14 m
D. None of these

26. The radius of a wire is decreased to one-third. If volumes remains the same, length will increase:
A. 1 time   B. 3 times
C. 6 times   D. 9 times

27. A cylindrical piece of metal of radius 2 cm and height 6 cm is shaped into a cone of same radius. The height of cone is:
A. 18 cm   B. 14 cm
C. 12 cm   D. 8 cm

Directions (Qs. 28 to 30): *Study the following graph carefully and answer the following questions.*

Demand and Production of Colour TV sets of Five Companies for October 1988

28. What is the ratio of companies having more demand than production of those having more production than demand?
    A. 2 : 3   B. 4 : 1
    C. 2 : 2   D. 3 : 2

29. What is the difference between average demand and average production of the five companies taken together?
    A. 1400   B. 400
    C. 280   D. 138

30. The production of Company 'D' is approximately how many times that of the production of the Company A?
    A. 1.8   B. 4.5
    C. 2.5   D. 4.9

Directions (Qs. 31 to 32): *In each of the following series determine the order of the letters. Then from the given options select the one which will complete the given series.*

31. B Y C X D W E ?
    A. S   B. T
    C. U   D. V

32. B A F E J I P O ? U
    A. V   B. T
    C. S   D. Q

Directions (Qs. 33 to 34): *Which letter(s) in each of the following series is wrong or is misfit in the series?*

33. A E H O U
    A. U   B. O
    C. H   D. E

34. C H M S W B
    A. C   B. S
    C. B   D. W

Directions (Qs. 35 to 36): *Which of the following groups of letters will complete the given series?*

35. ab---b-bbaa-
    A. babba   B. abaab
    C. abbab   D. baaab

36. aa-ab--aaa-a
    A. baaa   B. abab
    C. aaab   D. aabb

Directions (Qs. 37 to 38): *In the questions given below one term is missing. Based on the relationship of the two given words find the missing term from the given options.*

37. HUNGER : FOOD : : THIRST : ?
    A. Water   B. Drink
    C. Tea   D. Coffee

38. HUNTER : GUN : : WRITER : ?
    A. Book   B. Pen
    C. Poem   D. Page

Directions (Qs. 39 to 40): *In the following questions, select the number from the given options which follows the same relationship as shared between the first two numbers.*

39. 1 : 11 : : 2 : ?
    A. 20   B. 22
    C. 24   D. 44

40. $\dfrac{1}{7} : \dfrac{1}{14} : : \dfrac{1}{9} : ?$

    A. $\dfrac{1}{88}$ B. $\dfrac{1}{80}$

    C. $\dfrac{1}{81}$ D. $\dfrac{1}{18}$

Directions (Qs. 41 to 42): *In each of the following questions, three words are alike in some manner. Spot the odd one out.*

41. A. Green   B. Red
     C. Colour   D. Orange

42. A. Stable   B. Hole
     C. Canoe   D. Sty

Directions (Qs. 43 to 44): *In the following questions select the right option which indicates the correct code for the word or letter given in the question.*

43. If MUSK is coded as 146816, then ZERO will be coded as :
     A. 113811   B. 122912
     C. 15915   D. 2651815

44. If BAD is coded as 7, HIS as 9, LOW will be coded as :
     A. 50   B. 8
     C. 23   D. 5

Directions (Qs. 45 to 46): *Ram, Sohan and Mohan play football, hockey and cricket. Ram, Ramesh and Mohan play hockey, cricket and basketball. Ram, Sohan, Rahim and Mohan play football and cricket. Now answer the following questions based on the above statements :*

45. Which game is played by all the boys?
     A. Football   B. Hockey
     C. Cricket   D. Basketball

46. Which two boys play all the games?
     A. Ram, Sohan   B. Ram, Ramesh
     C. Sohan, Mohan   D. Ram, Mohan

Directions (Qs. 47 to 48): *In the following questions, understand the arrangement pattern and then select the right answer from the given options :*

47. Five boys are sitting in a row. Raghu is not adjacent to Shyam or Amit. Ajay is not adjacent to Shyam. Raghu is adjacent to Mayank. If Mayank is at the middle in the row, then Ajay is adjacent to whom out of the following?
     A. Amit   B. Raghu
     C. Mayank   D. Shyam

48. Mini is to the right of Rajni but to the left of Ananta. Saya is to the right of Mini but to the left of Jaya. Who is on the extreme left if all the girls are facing North?
     A. Jaya   B. Mini
     C. Rajni   D. Saya

Directions (Qs. 49 to 50): *In the following questions, select the right answer from the given options to depict the correct direction/distance.*
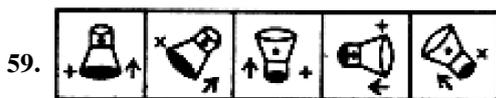
49. Kittu walks towards East and then towards South. After walking some distance he turns towards West and then turns to his left. In which direction is he walking now?
     A. North   B. South
     C. East   D. West

50. A person is driving towards West. What sequence of directions should he follow so that he is driving towards South?
     A. left, right, right   B. right, right, left
     C. left, left, left   D. right, right, right

Directions (Qs. 51 to 52): *In each of the following questions keenly study the relationship mentioned between the persons, and then from the given options select the right relationship as the answer.*

51. A lady said, "The person standing there is my grandfather's only son's daughter". How is the lady related to the standing person?
     A. Sister   B. Mother
     C. Aunt   D. Cousin

52. Ajay is the brother of Vijay. Mili is the sister of Ajay. Sanjay is the brother of Rahul and Mehul is the daughter of Vijay. Who is Sanjay's Uncle?
     A. Rahul   B. Ajay
     C. Mehul   D. Data inadequate

53. In a row of trees, one tree is fifth from either end of the row. How many trees are in the row?
     A. 11   B. 8
     C. 10   D. 9

54. Jaya ranks 5th in a class of 53. What is her rank from the bottom in the class?
     A. 49th   B. 48th
     C. 47th   D. 50th

55. If '✳' denotes '×', '∆' denotes '÷', '☐' denotes '−', '●' denotes '+', 'α' denotes '=' and 'β' denotes ≠, then which of the following euations is correct?

A. 2 ☐ 10 ✳ 4 ∆ 5 α 5 ● 12 ∆ 6
B. 27 ∆ 9 ● 6 β 3 ✳ 6 ☐ 9
C. 4 ∆ 2 ✳ 0 α 7 ∆ 1 ✳ 0
D. 5 ● 6 ∆ 3 ☐ 2 α 8 ∆ 4 ✳ 3

56. If ↓ stands for '÷', ↑ stands for '×', → stands for '+' and ← stands for '−', then
25 ↓ 5 → 3 ↑ 6 ← 8 = ?

A. 9   B. 12
C. 16   D. 15

57. Which letter should be ninth letter to the left of ninth letter from the right if the first half of the alphabet is reversed?

A. I   B. D
C. F   D. E

58. Starting from the fifth letter from the left, if twelve letters are written in reverse order, then which letter will be the seventh to the left of the fourteenth letter from the right?

A. N   B. H
C. L   D. O

Directions (Qs. 59 to 60): *In each question below five figures are given. Four are similar in a certain way and so form a group. The question is— which one of the figures **does not** belong to that group?*

59.

A.   B.   C.   D.   E.

60.

A.   B.   C.   D.   E.

61. At a time when empires in Europe were crumbling before the might of Napoleon which one of the following Governor-Generals kept the British flag flying high in India?

A. Warren Hastings   B. Lord Cornwallis
C. Lord Wellesley   D. Lord Hastings

62. Which one of the following statements regarding Fascism in Italy is *not* true?

A. The Fascists came to power as a result of popular uprising
B. In 1926, all political parties except Mussolini's party were banned
C. The Fascists suppressed the Socialist movement
D. The Fascists were hostile to the Communists

63. The fall of Czar Nicholas-II is known as:

A. Bloody Sunday
B. Bolshevik Revolution
C. February Revolution
D. October Revolution

64. Industrial Revolution took place first in:

A. France   B. Germany
C. United Kingdom   D. Japan

65. The British Prime Minister at the outbreak of World War II was :

A. Churchill   B. Baldwin
C. Attlee   D. Chemberlain

66. Nagarjunasagar Project is situated on the river:

A. Tungabhadra   B. Cauvery
C. Krishna   D. Godavari

67. The difference between the Indian Standard Time and the Greenwich Mean Time is:

A. − 3½ hours   B. + 3½ hours
C. − 5½ hours   D. + 5½ hours

68. Which of the following dams is not on Narmada river?

A. Indira-Sagar Project
B. Maheshwar Hydel Power Project
C. Jobat Project
D. Koyna Power Project

69. Which of the following statements is **not true** about the availability of water on the earth, the crisis for which is going to increase in the years to come?

A. About 97.5 per cent of the total volume of water available on the earth is salty
B. 80 per cent of the water available to us for use comes in bursts as monsoons

C. About 2.5 per cent of the total water available on the earth is polluted water and cannot be used for human activities

D. Possibility is that some big glaciers will melt in the coming ten-fifteen years and sea level will rise by 3-4 metres all over the earth

70. Which of the following is **not** a cash crop?
A. Jute   B. Paddy
C. Cashewnut   D. Sugarcane

71. The Secretary-General of the UNO is appointed by the:
A. General Assembly
B. Security Council
C. Trusteeship Council
D. World Bank

72. The United Nations officially came into existence in 1945 on :
A. November 24   B. October 14
C. October 24   D. November 14

73. Which one of the following is true of the International Court of Justice?
A. The Judges of the Court are appointed according to the discretion of the Secretary General
B. No two Judges may belong to the same country
C. The Court consists of 20 Judges
D. The statute of the International Court of Justice is not an integral part of the UN Charter

74. Which of the following was not among the six founding countries of the European Community?
A. Belgium   B. France
C. Germany   D. UK

75. The smallest country in South America is:
A. Ecuador   B. Guyana
C. Surinam   D. Uruguay

76. Who was the first woman Governor of an Indian State?
A. Sushila Nayar   B. Sucheta Kripalani
C. Sarojini Naidu   D. Sulochana Modi

77. Who among the following founded the Bhartiya Jana Sangh?
A. Deen Dayal Upadhyaya
B. Veer Savarkar
C. Dr. Ram Manohar Lohia
D. Dr. Shyama Prasad Mukherjee

78. Who among the following President of India held his office for two successive terms?
A. V.V. Giri
B. Dr. Rajendra Prasad
C. Dr. S. Radhakrishnan
D. None of these

79. Ustad Amjad Ali Khan is an exponent of:
A. Flute   B. Sitar
C. Sarod   D. Tabla

80. Who is the first non-Indian to receive the Bharat Ratna?
A. Martin Luther King
B. Zubin Mehta
C. Mother Teressa
D. Khan Abdul Ghaffar Khan

81. The WTO's 10th Ministerial Conference was held in .... in December 2015.
A. Nairobi   B. London
C. Johannesburg   D. Tokyo

82. The country, whose parliament approved civil union right for same sex couples on December 23, 2015, is ....
A. South Africa   B. Greece
C. Spain   D. UK

83. On December 9, 2015 which European country agreed to introduce an identity card for refugees to better control the wave of migrants?
A. Italy   B. Slovakia
C. Germany   D. Bulgaria

84. Who has been named as the Time Person of the year 2015?
A. Vladimir Putin   B. Barack Obama
C. Xi Jinping   D. Angela Merkel

85. The parliament of which country approved a resolution on December 22, 2015 calling on the government to recognise the state of Palestine?
A. Germany   B. Italy
C. Japan   D. Greece

86. Shaheen-III, a surface-to-surface ballistic missile, which can carry nuclear warheads was test-fired on December 11, 2015 by ....
    A. Pakistan   B. Iran
    C. Iraq   D. Saudi Arabia

87. In December 2015, which country declared itself as an Islamic republic?
    A. Syria   B. Turkey
    C. Gambia   D. Singapore

88. As per the Forest Report 2015, the geographical area under forest cover in India is ....
    A. 21.34 per cent   B. 20.83 per cent
    C. 22.52 per cent   D. 24.21 per cent

89. In December 2015, Rajya Sabha moved an impeachment notice against a sitting Judge of ....
    A. Punjab and Haryana High Court
    B. Gujarat High Court
    C. Madras High Court
    D. Allahabad High Court

90. Heart of Asia Conference was held on December 9, 2015 at ....
    A. Istanbul   B. Beijing
    C. Islamabad   D. Jaipur

91. Which one is not a work of British mystery writer Peter Dickinson, who died in December, 2015?
    A. The Weathermonger
    B. The Devil's Children
    C. Laidlaw
    D. Heartsease

92. Bollywood's veteran actress Sadhana, who died on December 25, 2015 has not acted opposite Rajendra Kumar in which of the following movies?
    A. *Mere Mehboob*
    B. *Aap Aaye Bahar Aayee*
    C. *Woh Kaun Thi*
    D. *Arzoo*

93. The Union Cabinet on December 2 approved the setting up of six new IITs in different states. Which one is not in that state-list?
    A. Tamil Nadu   B. Karnataka
    C. Kerala   D. Andhra Pradesh

94. The Indian Navy on December 23, 2015 decommissioned the INS Godavari. India's first warship designed and built indigenously. In which year, was it commissioned?
    A. 1982   B. 1983
    C. 1984   D. 1981

95. The Defence Acquisition Council (DAC) on December 17, 2015 cleared the purchase of an estimated ₹ 40000 crore S-400 Triumf air defence missile system. This system is developed by which country?
    A. USA   B. France
    C. Russia   D. Israel

96. Which country has overwhelmingly voted in December 2015 to change the constitution to allow president Paul Kagame to potentially rule until 2034?
    A. Seychelles   B. Latvia
    C. Burkina Faso   D. Rwanda

97. Who has been appointed the Chief Information Commissioner (CIC) on December 18, 2015?
    A. R.K. Mathur   B. Reva Khetrapal
    C. A.K. Jain   D. Akhilesh Mishra

98. Internet search engine Yahoo on December 3 released its list of top 10 searches on Yahoo in 2015. Which was the year's most searched term?
    A. Caitlyn Jenner
    B. iPhone
    C. Kim Kardashian
    D. Bobbi Kristina Brown

99. Who won the prestigious Sir Garfield Sobers Trophy after being named ICC Cricketer-of-the-Year 2015?
    A. Steve Smith
    B. A.B. de Villiers
    C. Virat Kohli
    D. Brandon McCullum

100. Who won the $ 3.5 million Hero World Challenge (in Golf) on December 6, 2015 at the Albany Golf Club near Nassau (The Bahamas)?
    A. Patrick Reed   B. Justin Rose
    C. Ricki Fowler   D. Bubba Watson

ANSWERS

1	2	3	4	5	6	7	8	9	10
B	B	C	C	B	B	C	D	D	A

11	12	13	14	15	16	17	18	19	20
C	B	C	D	D	D	C	D	C	A

21	22	23	24	25	26	27	28	29	30
C	A	B	B	A	D	A	D	C	A

31	32	33	34	35	36	37	38	39	40
D	A	C	B	D	C	A	B	B	D

41	42	43	44	45	46	47	48	49	50
C	C	B	D	C	D	B	C	B	D

51	52	53	54	55	56	57	58	59	60
A	D	D	A	C	D	D	D	D	A

61	62	63	64	65	66	67	68	69	70
C	A	C	C	D	C	D	D	D	B

71	72	73	74	75	76	77	78	79	80
A	C	B	D	C	C	D	B	C	D

81	82	83	84	85	86	87	88	89	90
A	B	C	D	D	A	C	A	B	C

91	92	93	94	95	96	97	98	99	100
C	C	A	B	C	D	A	D	A	D