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SBI
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Probationary Officer
(PO)
Solved Paper
Held on (28-11-2014)

Data Analysis & Interpretation

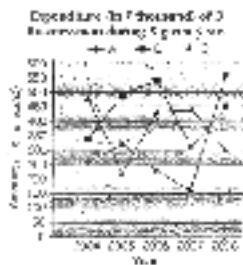
ASSOCIATE BANKS OF SBI Probationary Officer (PO) Exam 2014 Solved Paper

Held on 28-11-2014

Based on Memory

PART B : DATA ANALYSIS & INTERPRETATION

Directions (Q. Nos. 51-56) : Refer to the graph and answer the given questions.



51. If C's income in 2008 was Rs. 369000 what was the percent profit in that particular year?
(1) 23 (2) 28 (3) 26 (4) 19 (5) 33
52. What is the respective ratio between the total expenditure of all the businessman together in 2005 and total expenditure of all the given businessman given together in 2007?
(1) 12 : 11 (2) 10 : 7
(3) 8 : 7 (4) 14 : 11
(5) 16 : 13
53. If the percent profit earned by all the given businessman together in 2006 was 45, what was the total income of the all given businessman together in that particular year? (in Rs. thousand)
(1) 1820 (2) 1680
(3) 1640 (4) 1780
(5) 1740
54. Expenditure of businessman A increased by what percent from 2004 to 2008?
(1) $112\frac{8}{13}$ (2) $120\frac{1}{13}$

(3) $108\frac{6}{13}$ (4) $118\frac{2}{13}$

(5) $115\frac{5}{13}$

55. What is the expenditure of businessman B among all the given years together? (in Rs. together)
(1) 426 (2) 422
(3) 434 (4) 448
(5) 438
56. If expenditure of businessman A, B, C increased by 5%, 6% and 12% from 2008 to 2009, then what was the total expenditure of A, B and C in 2009? (in Rs. thousand)
(1) 1293 (2) 1417
(3) 1401 (4) 1381
(5) 1453

Directions (Q. Nos. 57-61) : These questions consist of a question and two statements numbered I and II below it. You have to decide whether the data provide in the statement.

57. What is the total number of students (Male and Female) in the class?
- I. The average weight if the students of the class is 61.08 kg. The average weight of male students is 63 kg and the average weight of the female students is 59 kg. The difference between number of male students and number of female students is 3.
- II. The respective ratio of number of male students and number of female students in the class is 13 : 12.
- (1) The data in statement I alone are sufficient to answer the question while the data in statement II alone are not sufficient to answer the question

- (2) The data in statement II alone are sufficient to answer the question while the data in statement II alone are not sufficient to answer the question
- (3) The data in both the statements I and II together are sufficient to answer the question
- (4) The data either in statement I or in statement II alone are sufficient to answer the question
- (5) The data in both the statements together are not sufficient to answer the question
58. What is the present age of Meera?
- I. The respective ratio of present ages of Meera and her mother's present age is 7 : 16
- II. The respective ratio of $\frac{1}{2}$ of Meera's present age to $\frac{1}{8}$ of mother's age is 7 : 14.
- (1) The data in statement I alone are sufficient to answer the question while the data in statement II alone are not sufficient to answer the question
- (2) The data in statement II alone are sufficient to answer the question while the data in statement II alone are not sufficient to answer the question
- (3) The data in both the statements I and II together are sufficient to answer the question
- (4) The data either in statement I or in statement II alone are sufficient to answer the question
- (5) The data in both the statements together are not sufficient to answer the question
59. What is the length of the diagonal of the rectangle?
- I. The length of the rectangle is 120% more than its breadth
- II. The perimeter of the rectangle is 32m. The difference between length and breadth of the rectangle is 6 m
- (1) The data in statement I alone are sufficient to answer the question while the data in statement II alone are not sufficient to answer the question
- (2) The data in statement II alone are sufficient to answer the question while the data in statement II alone are not sufficient to answer the question
- (3) The data in both the statements I and II together are sufficient to answer the question
- (4) The data either in statement I or in statement II alone are sufficient to answer the question
- (5) The data in both the statements together are not sufficient to answer the question
60. What is the value of sum of squares of both the numbers?
- I. The sum of both the numbers is 128
- II. The HCF and LCM of the two numbers are 8 and 504 respectively
- (1) The data in statement I alone are sufficient to answer the question while the data in statement II alone are not sufficient to answer the question
- (2) The data in statement II alone are sufficient to answer the question while the data in statement II alone are not sufficient to answer the question
- (3) The data in both the statements I and II together are sufficient to answer the question
- (4) The data either in statement I or in statement II alone are sufficient to answer the question
- (5) The data in both the statements together are not sufficient to answer the question
61. What is the cost price of the table?
- I. The percent profit made when table is sold for Rs. 1054 is twice as much as it is when it sold for Rs. 952
- II. The marked price of the table is Rs. 1105. If a discount of 20% is given on the marked price, the profit gained is 4%
- (1) The data in statement I alone are sufficient to answer the question while the data in statement II alone are not sufficient to answer the question
- (2) The data in statement II alone are sufficient to answer the question while the data in statement II alone are not sufficient to answer the question
- (3) The data in both the statements I and II together are sufficient to answer the question
- (4) The data either in statement I or in statement II alone are sufficient to answer the question
- (5) The data in both the statements together are not sufficient to answer the question

Directions (Q. Nos. 62-67) : Study the table and answer

the given questions.

Data Related to Number of Employees who Joined (Jo) and Left (Le) 5 given Companies during 5 given Years
 (Consider the given companies started in 2001)

Companies	A		B		C		D		E	
Years	Jo	Le	Jo	Le	Jo	Le	Jo	Le	Jo	Le
2001	161	-	148	-	179	-	116	-	128	-
2002	148	58	172	60	161	90	208	60	191	50
2003	135	69	188	96	143	101	169	45	167	79
2004	112	88	173	59	165	58	142	56	185	82
2005	141	39	151	48	179	66	155	108	141	91

62. If the respective ratio of number of male and female employees in company B at the end of 2003 was 5 : 6, what was the number of female employees in company B at the end of 2003?

- (1) 208 (2) 172
 (3) 186 (4) 192
 (5) 212

63. What was the total number of employees in company A at the end of 2004?

- (1) 347 (2) 363
 (3) 329 (4) 335
 (5) 341

64. Number of employees in company E at the end of 2002 is what percent more than the number of employees in company C at the end of 2002?

- (1) $9\frac{1}{2}$ (2) $3\frac{4}{5}$
 (3) $11\frac{1}{5}$ (4) $7\frac{3}{5}$
 (5) $5\frac{4}{5}$

65. In which of the given companies number of employees was highest at the end of 2002?

- (1) D (2) C (3) B (4) A (5) E

66. What is the average number of employees who joined company D during all the given years together?

- (1) 166 (2) 156 (3) 162 (4) 164 (5) 158

67. What is the respective ratio between total number of employees who joined company C in 2003 and 2004 together and total number of employee who left company E in 2003, 2004 and 2005 together ?

- (1) 22 : 17 (2) 11 : 9
 (3) 12 : 19 (4) 13 : 9
 (5) 11 : 7

Directions (Q. Nos. 68-73) : Study the following table to answer this questions.

Production of Different Food Grains (in thousand tonnes) by Six States in 2007

State	Wheat	Rice	Jowar	Bajra
Rajasthan	240	160	120	80
Chhattisgarh	360	250	210	180
Uttar Pradesh	280	220	150	130
Kerala	120	230	100	270
West Bengal	100	280	200	140
Tamil Nadu	160	290	240	160

68. What was the average production of Bajra (in thousand tonnes) by all the given states in 2007?

- (1) $133\frac{1}{2}$ (2) $142\frac{4}{9}$
 (3) 145 (4) 148
 (5) $143\frac{1}{3}$

69. Total production of rice by Kerala and Tamil Nadu together is what percent of total production of jowar produced by these states together? (rounded off to nearest integer)

- (1) 155 (2) 158 (3) 153 (4) 151 (5) 159

70. What is the respective ratio between the total production of bajra by Rajasthan, Uttar Pradesh and Chhattisgarh together and total production of jowar by these three states together?

- (1) 14 : 17 (2) 13 : 15
 (3) 13 : 16 (4) 13 : 17
 (5) 14 : 19

71. What is the difference between total production of rice and jowar (in thousand tonnes) by Rajasthan, Chhattisgarh and Tamil Nadu together in 2007?

- (1) 160 (2) 180 (3) 150 (4) 140 (5) 120

72. If the total production of wheat by Chhattisgarh, Kerala and West Bengal in 2008 was more than that in 2007 by 18%, what was the total production of these states together in 2008 in thousand tonnes?

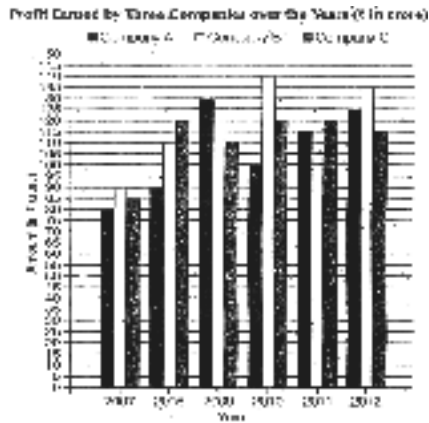
- (1) 480 (2) 557
 (3) 488 (4) 590
 (5) 596

73. Out of total production of all the total grains together by Uttar Pradesh in 2007, 85% of the

quantity could be sold. What was the total quantity of given foodgrains (in thousand tonnes) sold by Uttar Pradesh in that year?

- (1) 840 (2) 810
 (3) 820 (4) 850
 (5) 870

Directions (Q. Nos. 74-79) : Study the following graph and answer the given questions.



74. Approximately, what is the average profit earned by company B over the given years?

- (1) Rs. 107 crore (2) Rs. 132 crore
 (3) Rs. 120 crore (4) Rs. 146 crore
 (5) Rs. 97 crore

75. What is the ratio between total profit earned by all three companies in 2007 and 2011 respectively?

- (1) 3 : 4 (2) 2 : 3
 (3) 4 : 5 (4) 3 : 5
 (5) 4 : 7

76. The total profit of all the three companies together was maximum in which of the following years among the given years?

- (1) 2008 (2) 2009
 (3) 2011 (4) 2010
 (5) 2012

77. Approximately, what is the percentage increase in profit earned by company C from 2007 to 2011?

- (1) 65 (2) 20
 (3) 15 (4) 25
 (5) 40

78. The total profit earned by company A in 2011 and company C in 2012 together was approximately what percent of the Profit earned

by Company A in 2007?

- (1) 288 (2) 264
 (3) 30 (4) 100
 (5) 144

79. The percentage increase in profit from the preceding year was maximum in case of which of the following companies?

- (1) Only A (2) A and B
 (3) A and C (4) Only B
 (5) Only C

Directions (Q. Nos. 80-82) : Study the information to answer the questions.

A bag contains 6 red shirts, 6 green shirts and 8 blue shirts.

80. Two shirts are drawn randomly. What is the probability that atmost one shirt is red?

- (1) $\frac{27}{38}$ (2) $\frac{25}{38}$
 (3) $\frac{30}{38}$ (4) $\frac{33}{38}$
 (5) $\frac{29}{38}$

81. One shirt is drawn randomly and then another shirt is drawn randomly. What is the probability that the first shirt is red and the another shirt is blue?

- (1) $\frac{14}{95}$ (2) $\frac{22}{95}$
 (3) $\frac{15}{95}$ (4) $\frac{12}{95}$
 (5) $\frac{18}{95}$

82. One shirt is drawn randomly. What is the probability that it is not green?

- (1) $\frac{7}{20}$ (2) $\frac{7}{10}$
 (3) $\frac{9}{10}$ (4) $\frac{3}{5}$
 (5) $\frac{2}{5}$

Directions (Q. Nos. 83-88) : Study the following information carefully to answer the questions.

Details of population as recorded in a census were as given below

Population of State 'P' is 150% of population of State 'T' and 80% of the population of State 'U'. Population of State 'Q' is 60% of the population of State 'V'. Population of State 'S' is 125% of population of State 'R'. Population of State U is 75 lakh which is 80% of the population of State 'V' and 120% of the population of State 'S'.

83. What is the ratio between population of State Q and State S respectively?

- (1) 12 : 13 (2) 11 : 12
(3) 9 : 10 (4) 7 : 9
(5) 4 : 5

84. What is the population of State Q and S together? (in lakh)

- (1) 118.75 (2) 112.65
(3) 106.85 (4) 112.25
(5) 108.25

85. What is the difference between the population of State P and V? (in lakh)

- (1) 38.5 (2) 33.75
(3) 35.75 (4) 35.5
(5) 32.75

86. Population of State R is what percent of the population of State V?

- (1) $51\frac{1}{3}$ (2) $55\frac{2}{3}$

- (3) $52\frac{1}{3}$ (4) $54\frac{2}{3}$

- (5) $53\frac{1}{3}$

87. Population of State S is more than the population of State R by what percent?

- (1) 20 (2) 25
(3) 30 (4) 28
(5) 22

88. Population of State P was found of have been increased by 25% from the previous census

record. What was the population of State P as per previous census?

- (1) 42 (2) 41
(3) 45.25 (4) 42.5
(5) 48

Directions (Q. Nos. 89-94) : In these questions, a number of series is given.

After series a number is given followed by (a), (b), (c), (d) and (e). You have to complete the series starting with the give numbers following the sequence of original series and answer the questions that follow the series.

89. 11 5 4 4.5 7 15
15 (a) (b) (c) (d) (e)

What will come in place of (b)?

- (1) 6 (2) 9 (3) 8 (4) 11 (5) 7

90. 9 18 54 216 1080 6480

7 (a) (b) (c) (d) (e)

What will come in place of (c)?

- (1) 156 (2) 128
(3) 152 (4) 132
(5) 168

91. 5 31 159 645 1951 3927

3 (a) (b) (c) (d) (e)

What will come in place of (c)?

- (1) 92 (2) 91 (3) 93 (4) 99 (5) 96

92. 7 13 31 97 391 1967

13 (a) (b) (c) (d) (e)

What will come in place of (d)?

- (1) 584 (2) 535
(3) 596 (4) 586
(5) 574

93. 8 7 12 33 128 635

6 (a) (b) (c) (d) (e)

What will come in place of (c)?

- (1) 24 (2) 21
(3) 34 (4) 26
(5) 32

94. 15 14 20 33 68 215

21 (a) (b) (c) (d) (e)

What will come in place of (c)?

- (1) 63 (2) 51
(3) 56 (4) 59
(5) 76

Directions (Q. Nos. 95-100) : Study the following pie-charts and the information given below them carefully and

answer the questions given.

figure

95. The total number of D and A type garments in store I is approximately double the number of which type of garments in store B?
(1) F (2) A (3) C (4) E (5) B
96. What is the total number of C type garments in both the stores together?
(1) 3770 (2) 2610
(3) 3276 (4) 1008
(5) 3610
97. The difference in number of which type of garments in two stores is maximum?
(1) E (2) D (3) B (4) C (5) A
98. Number of D type garments in store I is more than that in store II by what percent approximately?
(1) 25 (2) 35 (3) 40 (4) 20 (5) 15
99. The number of E type garment in store I is approximately what percent of the number of B type garment in store II?
(1) 46 (2) 32 (3) 68 (4) 58 (5) 42
100. What is the average of A, B and C type of garments in store I?
(1) 2016 (2) 4126
(3) 1648 (4) 1028
(5) 6058

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