PREVIOUS PAPER IBPS RRB (GROUP A OFFICERS) EXAM

(Based on memory) Held on 02-09-2012

Test-I Reasoning Ability

Directions $(Q \ 1-5)$ In each of the question- sets below are two/ three statements followed by two conclusions numbered I and II. You have to take the given statements to be true even if they seem to be at variance with commonly known facts and then decide which of the given conclusions logically follows from the given statements, disregarding commonly known facts. Give answer

- 1) if only conclusion I follows.
- 2) if only conclusion II follows.
- 3) if either conclusion I or conclusion II follows
- 4) if neither conclusion I nor conclusion II follows
- 5) if both conclusion I and conclusion II follow.
- (1-3): Statements: All stars are bottles.

Some bottles are papers.

No paper is a calender.

1. Conclusions: I. All stars being papers is a possibility.

II. No calendar is a bottle.

2. Conclusions: I. All calenders being stars is a possibility.

II. At least some bottles are stars.

3. Conclusions: I. At least some calendars are bottles.

II. No calender is a star.

(4-5): Statements: Some pencils are blankets.

All blankets are erasers.

4. Conclusions: I. At least some pencils are erasers.

II. All erasers being pencils is a possibility.

5. Conclusions: I. No eraser is a pencil.

II. All blankets being pencils is a possibility.

Directions (6-10): Each of the following questions below consists of a question and two statements numbered I and II given below it. You have to decide whether the data provided in the statements are sufficient to answer the question. Read both the statements and give answer.

- 1) If the data in statement I alone are sufficient to answer the question, while the data in statement II alone are not sufficient in answer the question.
- 2) if the data in statement II alone are sufficient to answer the question, while the data in statement I alone are not sufficient to answer the question.
- 3) if the data in either in statement I alone or in statement II alone are sufficient to answer the question.
- 4) If the data in both the statements I and II together are not sufficient to answer the question.
- 5) if the data in both the statements I and II are together necessary to answer the question.
- 6. Who amongst P, Q, R, S and T is the tallest?

I. P is taller than Q. T is not the tallest.

II. R is taller than P. S in not the tallest.

7. In which direction is point E, with reference to point S?

I. Point D is to the east of point E. Point E is to the south of point F.

II. Point F is to the north-west to point S. Point D is to the north of point S.

- 8. In which month of the year did Rahul go abroad for a vacation?
 - **I.** Rahul correctly remembers that he went for a vacation in the first half of the year.
 - **II.** Rahul's son correctly remembers that they went for a vacation after 31st March but before 1st May.
- **9.** On which day of the same week is Ramesh's exam scheduled (Monday being the first day of the week)?
 - **I.** Ramesh correctly remembers that his exam is scheduled on a day after Tuesday, But before Thursday of the same week.
 - **II.** Ramesh's father correctly remembers that Ramesh's exam is scheduled on the third day of the week.

10. How many marks has Suman scored in the test?

(Maximum marks 20)

I. Suman scored two-digit marks. Her marks were not in decimals.

II. Suman scored more than 9 marks in the test.

Directions (Q. 11-15): Study the information given below and answer the given questions:

In a certain code 'facing problems with health' is coded as 'mlp hlt ngi snk', 'health problems on rise' is coded as 'hlt sa rtv mlp', 'rise with every challenge' is coded as 'snk rtv *l*ne riy' and 'facing challenge each day' is coded as 'ngi riy nop hus'.

11.	What could be a code for " <i>l</i> ne"?				
	1) facing		2) with		3) every
	4) rise		5) challenge		
12.	"riy rtv roi" cou	uld be a c	code for which of th	ne followin	g?
	1) rise above ch	nallenge			2) rise health challenge
	3) day rise chal	lenge			4) with rise challenge
	5) challenge ev	ery rise			
13.	Which of the fo	ollowing	is the code for "fac	ing"?	
	1) nop	2) rtv	3) ngi	4) snk	5) sa
14.	"riy snk mlp" c	ould be a	a code for which of	the follow	ing?
	1) problem ever	ry day	2) challenge with	health	
	3) with health c	lay	4) every challenge	e facing	
	5) challenge fac	cing with	l		
15.	Which of the fo	ollowing	is the code for 'day	'?	
	1) riy		2) nop		3) ngi
	4) hus		5) Cannot be deter	rmined	

Directions (Q. 16-21): Study the information given below and answer the given questions.

Eight friends A, B, C, D, E, F, G and H are sitting in a circle, but not necessarily in the same order. Four of them are facing outside and four of them are facing the centre.

 \star E faces outside. Both the immediate neighbours of E face the centre. H sits sec-

	ond to the right of E. B	sits third to the left of E.	
\star	D faces the centre. Both the immediate neighbours of D face outside.		
\star	G sits second to the left	of A. B sits third to the right of	of H.
\star	F is an immediate neigh	bour of D. C is an immediate	neighbour of G.
\star	D is not an immediate n	eighbour of B.	
16.	Who amongst the follow	wing sits on the immediate rig	ht of H?
	1) A	2) D	3) C
	4) G	5) None of these	
17.	Who amongst the follow	ving sits third to the right of A	?
	1) D	2) E	3) F
	4) A	5) None of these	
18.	Four of the following fi	ve are alike in a certain way,	based on the information
	given above and so form	n a group. Which is the one th	nat does not belong to that
	group?		
	1) HA	2) FH	3) GC
	4) DA	5) AE	
19.	If all the people are made	de to sit in an alphabetical ord	ler, in clockwise direction,
	starting from A, the pos	ition of whom amongst the fo	ollowing remains the same
	(excluding A)?		
	1) E	2) F	3) C
	4) G	5) None of these	
20.	How many people are se	eated between A and C (counti	ng clockwise from A)?
	1) Two	2) Four	3) None
	4) One	5) Three	
21.	Who amongst the follow	ving sits exactly between F and	C (and is also their neigh-
	bour)?		
	1) E	2) B	3) G
	4) A	5) None of these	

Directions (Q. 22-30): Study the information given below and answer the given questions.

Nine people, A, B, C, D, E, F, G, H and J stay in a building, but not necessarily in the same order. The building has nine floors and only one person stays on one floor. All of them own one car each, and each car is of a different colour, ie blue, grey, white, black, yellow, green, red, orange and pink, but not necessarily in the same order. The Ground floor is numbered 1, the floor above it is numbered 2, and so on, and the top-most floor is numbered 9.

H owns a black-coloured car and stays on an even-numbered floor. A Stays on any even-numbered floor below the floor on which H stays. The one who owns an orange coloured car stays on the fourth floor. E stays on the second floor and owns a white-coloured car. The one who owns a pink-coloured car stays on the third floor. A does not own a green-coloured car. There are two floors between the floors on which the people owning the red and the black-coloured cars stay. C owns a grey-coloured car. There are three floors between the floors on which C and G stay. D stays on a floor immediately above J's floor. There is one floor between the floors on which F and G stay. F does not own the pink- coloured car. The one who owns the blue car stays on the topmost floor. F does not stay on the ground floor.

22. Who amongst the following owns the green-coloured car

	1) D	2) J	3) G
	4) F	5) None of these	
23.	Who amongst the follow	ving stays on the topmost floor	r?
	1) F	2) G	3) D
	4) C	5) None of these	
24.	A owns a car of which o	of the following colours?	
	1) Orange	2) Pink	3) Yellow
	4) Blue	5) None of these	
25.	Who stays on the floor w	which is exactly between the fl	oor on which H stays and
	the floor on which A stays?		
	1) B	2) G	3) C
	4) F	5) None of these	

26.	How many floors are there between the floor on which J stays and the floor on which C stays?		
	1) One	2) Two	3) None
	4) Three	5) More than three	
27.	Which of the following	g is true as per the given inform	nation?
	1) B stays on a floor im	mediately below the floor on v	which H stays.
	2) G stays on a floor immediately above the floor on which A stays.		
	3) F stays on the eighth floor.		
	4) D owns the orange-c	oloured car.	5) None is true
28.	On which of the follow	ing floors does G stays?	
	1) 1st	2) 6th	3) 5th
	4) 7th	5) None of these	
29.	B is related to C in the	same way as H is related to E	as per the given informa-
	tion. Following the sam	e pattern, F is related to which	of the following?
	1) J	2) D	3) A
	4) G	5) None of these	
30.	What is the colour of th	e car of the person who stays	on the ground floor?
	1) Red	2) Green	3) Yellow
	4) Grey	5) None of these	
31.	How many meaningful	words can be made with the alp	bhabets D, R, H and A each
	being used only once in	each word?	2) There
	1) INONE	2) One	3) IWO
22	4) Inree	5) More than three	ELEDATIN anal of which
52.	has as many letters bet	ween them in the word (in bo	oth forward and backward
	directions), as they have	e between them in the English	alphabetical series?
	1) One	2) Two	3) None
	4) Three	5) More than three	
Dire	ection (Q. 33-35): Four	of the following five are alike	e in a certain way and so
form	n a group. Which is the	one that does not belong to th	at group?
33.	1) Repair	2) Mend	3) Correct
	4) Rectify	5) Trouble	

34.	1) Employed	2) Trained	3) Hired
	4) Appointed	5) Commissioned	
35.	1) Quick	2) Brisk	3) Quiet
	4) Fast	5) Rapid	

36. Four of the following five are alike in a certain way (based on the English alphabetical series) and hence form a group. Which is the one that does not belong to that group if the English alphabetical series is broken into two equal halves, ie the first 13 alphabets are clubbed together and the last 13 alphabets are clubbed separately?

1) FH	2) SU	3) MA
4) CK	5) LB	

Directions (Q. 37-40): In each of these questions, relationship between different elements is shown in the statements. The statements are followed by two conclusions.

Give answer

1) if only conclusion I is true.

2) if only conclusion II is true.

3) if either conclusion I or II is true.

4) if neither conclusion I nor II is true.

5) if both the conclusions I and II are true.

(37-38):

Statements: A > B = C; E = F; $E \ge D > C$

- **37.** Conclusions: I. B<E II. F<B
- **38.** Conclusions: I. C<F II. A>C

(39-40):

Statements: I≤J; K<l>M; J=K; G≥H=I

- **39.** Conclusions: I H<J II. J<G
- **40.** Conclusions: I. L>J II. J<M

Directions (Q. 41-50): In each of the questions given below which one of the five answer figures on the right should come after the problem figures on the left, if the sequence were continued?







Directions (Q. 51-55): What will come in place of question mark (?) in the following questions?

51.	$(\sqrt{5}-\sqrt{10})^{2+}(\sqrt{2}+5)^{2+}$	$(?)^3 - 22$	
	1) $\sqrt{2}$	2) 2	3) 16
	4) 8	5) None of these	
52.	55% of $\sqrt{2116} \div 0.01 =$	$=? \times 20$	
	1) 126.5	2) 126.6	3) 124.6
	4) 125.4	5) None of these	
53.	$\sqrt{12^2 \times 16 \div 24 + 193 + 7}$	$\times 5 = (?)^2$	
	1) $3\sqrt{2}$	2) $4\sqrt{2}$	3) 5√2
	4) 18	5) 32	

54. $\sqrt{31.36} \div \sqrt{0.64} \times 252 = (?)^2$ $\times 36$ 1) 81 4) -7 5) 9 55. $(1.69)^4 \div (2197 \div 1000)^3 \times (0.13 \times 10)^3 =$ (1.3)?-2 1) 6 4) 0 5) None of these

Directions (Q. 56-60): What approximate value will come in place of question mark (?) in the following questions? (You are not expected to calculate the exact value).

56. 68% of 1288 + 26% of 734 -215=? 1) 620 2) 930 3) 540 4) 850 5) 710 **57.** $(32.05)^2 - (18.9)^2 - (11.9)^2 = ?$ 1) 670 2) 530 3) 420 4) 780 5) 960 **58.** $6578 \div 67 \times 15 = ?$ xб 1) 200 2) 250 3) 150 4) 100 5) 300 679 23 126 59. = ? 45 2130 169 1) 540 2) 760 3) 800 4) 1260 5) 1040 **60.** $\sqrt{5687} \times \sqrt{1245 \div \sqrt{689}} = ? \div 13$ 2) 910 1) 840 3) 1320 4) 1120 5) 1550

Directions (Q. 61-63): What will come in place of question mark (?) in the following number series?

61. 987 587 331 187 123 (?)

2) 113

3) 107

4) 114 5) None of these

62.	125 171 263 401 585 (?)		
	1) 835	2) 815	3) 792
	4) 788	5) None of these	
63.	3. 121 132 167 226 309 (?)		
	1) 424	2) 413	3) 427
	4) 416	5) None of these	

Directions (Q. 64-65): In the following number series, only one is wrong. Find out the wrong number.

64.	64. 454 327 648 524 842 713 1036		
	1) 327	2) 648	3) 521
	4) 842	5) 713	
65.	72.5 86 113 168 275 491	923	
	1) 86	2) 113	3) 168
	4) 275	5) 491	

Directions (Q.66-70): In the following questions, two equations numbered I and II are given. You have to solve both the equations and give answer -

	1) if x > y	2) if $x \ge y$	3) if x < y
	4) if $x \le y$	5) if $x = y$ or relationship can	nnot be established
66.	I. $4x + 3y = (1600)^{1/2}$		
	II. $6x - 5y = (484)^{1/2}$		
67.	I. $2x^2 - (4 \div \sqrt{13})x + 2^{-1}$	$\sqrt{13} = 0$	
	II. $10y^2 - (18 + 5\sqrt{13})y$	$\dot{x} \div 9\sqrt{13} = 0$	
68.	I. $(6x^2 + 17) - (3x^2 + 20)$	0) = 0	
	II. $(5y^2 - 12) - (9y^2 - 1)$	(6) = 0	
69.	$\mathbf{I.} (169)^{1/2} \mathbf{x} + \sqrt{28}9 = 1$.34	
	II. $(361)^{1/2} y^2 - 270 = 1$	1269	
70.	I. $821x^2 - 757x^2 = 256$		
	II. $\sqrt{19}6 y^3 - 12y^3 = 16$	j	
71.	Rita's present age is fou	r times her daughter's present	age and two-third

71. Rita's present age is four times her daughter's present age and two-thirds of her mother's present age. The total of the present ages of all of them is 154 years. What is the difference between Rita's and her mohter's present age?

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	Aliali	SCIUUU.	
	1) 28 years	2) 34 years	3) 32 years
	4) Cannot be determine	d	5) None of these
72.	The ratio between the th	ree angles of a quadrilateral is	3:5:9. The value of the
	fourth angle of the quadr	ilateral is 71°. What is the diff	erence between the largest
	and the smallest angles o	f the quadrilateral?	
	1) 82°	2) 106°	3) 102°
	4) 92°	5) None of these	
73.	If twentyfive percent of	of three-sevenths of twenty si	x percent of a number is
	136.5, what is the number	r?	
	1) 6300	2) 5600	3) 4800
	4) 4900	5) None of these	
74.	The ratio between the sum of the ratio between the sum of the speed of the truck and the truck are truck and the truck are truck and the truck are	peed of a truck, car and train a distance of 1040 km in 13 he train together?	is 3:8:12. The car moved hours. What is the average
	1) 75Km/hr	2) 60Km/hr	
	3) 48km/hr	4) Cannot be determined	5) None of these
75.	The second largest and t difference between the s is equal to 9°. What is t of the triangle?	he smallest angles of a triangle second largest angle and the sn he difference between the sma	are in the ratio of 6:5. The nallest angle of the triangle llest and the largest angles

- 1) 36° 2) 24° 3) 12°
- 4) 18° 5) None of these
- 76. The circumference of a circle is twise the perimeter of a rectangle. The area of the circle is 5544 Sqcm. What is the area of the rectangle if the length of the rectangle is 40cm?

1) 1120 Sq cm	2) 1020 Sq cm	
3) 1140 Sq cm	4) 1040 Sq cm	5) None of these

77. A 476-metre-long moving train crosses a pole in 14 seconds. The length of a platform is equal to the distance covered by the train in 20 Seconds. A man crosses the same platform in 7 minutes and 5 seconds. What is the speed of the man in metre/ second?

1) 1.8 m/s 2) 1.4 m/s

3)	1.6	m/s	
- 3)	1.6	m/s	

5) 1.2 m/s

78. Two-Thirds of Ranjit's monthly salary is equal to Raman's monthly Salary. Raman's Monthly salary is thirty percent more than Pawan's monthly salary. Pawan's Monthly salary is `32000. What is Ranjit's monthly salary?

1) 64200 2) 62500 3) 6450	00
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4) 2 m/s

4) 62400 5) None of these

79. The simple interest accrued on a sum of a certain Principal is `35,6727 in seven years at the rate of 8 pcpa. What would be the compound interest accrued on that principal at the rate of 2 pcpa in 2 years?

1) `2573.48	2) `2564.86	3) `2753.86
4) `2654.48	5) None of these	

80. In a class there are 60 students, out of whom 15 percent are girls. Each girl's monthly fee is 250 and each boy's monthly fee is 34 percent more than a girl. What is the total monthly fees of girls and boys together?

1) `19335	2) `18435	3) `19345
/		/

4) 19435 5) None of these

Directions (Q. 81-85): Study the following pie-chart and answer the following questions.



81. The number of teachers in University B is approximately what percent of the total number of teachers in University D and University E together?

1) 552) 593) 494) 455) 65

82. If twenty five percent of the teachers in University C are females, What is the number of male teacher in University C?

1) 922	2) 911	3) 924	4) 912	5) None of these
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83. The difference between the total number of teachers in University A, University B and University C together and the total number of teachers in University D, University E and University F together is exactly equal to the number of teachers of which University?

1) University A	2) University B	3) University C
4) University D	5) University F	

84. If one-thirtysixth of the teachers from University F are Professors and the salary of each professor is Rs.96000, What will be the total salary of all the professors together from University F?

1)Rs.307.2 Lakh	2)Rs 32.64 lakh	3)Rs 3.072 Lakh
4)Rs3.264 lakh	5) None of these	

85. What is the average number of teachers in University A, University C, University D and University F together?

1) 8542) 35463) 34564) 8745) None of these

Directions: (Q. 86-90): Study the table carefully to answer the questions that follow Number of cars (in thousand) of two models (Basic and Premium) produced by five different companies in five different years

Company		A		В		С		D		Ε
Year 🗆	Basic	Premium								
2006	4.4	2.5	5.6	2.4	5.4	6.1	7.6	7.5	2.7	5.1
2007	4.9	7.2	9.4	7.2	7.5	8.3	8.4	4.9	4.2	5.5
2008	13.6	15.5	14.8	9.5	12.8	9.9	9.2	8.2	7.7	11.5
2009	6.6	13.9	11.8	11.4	16.6	18.2	10.6	10.4	7.2	12.8
2010	5.8	14.9	12.2	7.2	19.9	22.3	14.6	12.2	13.2	12.2

86. The number of cars of premium model produced by company D in the year 2009 was approximately what percent of the total number of cars (both models) produced by Company C in the year 2007?

3) 56

1) 70	2) 51

4) 61	5) 66
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87.	What was the approximate percentage decrease in the number of cars of basic				
	model produced by Company B in the year 2009 as compared to the Previous				
	year?				
	1) 15	2) 20	3) 10		
	4) 80	5) 85			
88.	What was the average n	umber of cars of premium mod	del produced by Company		
	A over all the years toge	ether?			
	1) 9000	2) 8000	3) 6000		
	4) 48000	5) None of these			
89.	In which year was the c	lifference between the basic n	nodel and premium model		
	of cars produced by Con	npany E the second highest?			
	1) 2010	2) 2006	3) 2007		
	4) 2008	5) 2009			
90.	In which Company did	the production of cars of pre-	emium model consistently		
	increase from the year 2006 to the year 2010 ?				
	1) Both C and E	2) Both C and D	3) C only		
	4) D only	5) E only			

Directions (Q. 91-95) : Study the following graph carefully to answer the questions that follow:

Monthly income (` in thousands) of three different persons in six diffrent years

