

IBPS PO Quantitative Aptitude Questions

NUMBER SYSTEM

1.	The product of three consecutive even numbers is 4032. Is 252. What is five times the second number? (1) 80 (2) 100 (5) 90	The product of the firs	at and the third number (4) 70
2.	 The digit in the unit's place of a three digit number is the hundred's place is two-third of the digit in the ten's number is 14, what is the three digit number? (1) 932 (2) 239 (4) Cannot be determined (5) None of these 		
3.	Two-third of the first number is equal to the cube of the to twelve percent of 50, what Is the sum of the first and (1) 330 (2) 360 (5) None of these		second number Is equal (4) 372
4.	The sum of the digits of a two digit number is 15 and thdigit number Is 3. What Is the product of the two digits(1) 56(2) 63(4) Cannot be determined (5)None of these		
5.	The sum of six consecutive even numbers of set-A Is 40 consecutive numbers whose lowest number is 15 less th (1) 444 (2) 442 (5) None of these		
6.	The difference between the sum of four consecutive odd together is 20. Also, the largest even number Is 5 more of the smallest odd number and the smallest even numb (1) 75 (2) 77 (4) Cannot be determined (5) None of these	than the largest odd nu	
7.	Sum of two numbers Is equal to sum of square of 11 and square of 25. What Is the value of the sum of twice of 24 larger number? (1) 415 (2) 400 (5) None of these		
8.	If the numerator of a fraction is increased by 150% and by 250% , the numerator function is $\frac{25}{25}$ what is the principal function is $\frac{25}{25}$ what is the principal function is $\frac{25}{25}$ whether		fraction Is in-creased
	by 350%, the resultant fraction is $\frac{25}{51}$, what is the original (1) $\frac{11}{17}$ (2) $\frac{11}{15}$ (5) None of these	(3) $\frac{15}{17}$	(4) $\frac{13}{15}$
9.	The sum of three consecutive odd numbers and three co the smallest odd number is 11 less than the smallest eve number and the largest even number? (1) 82 (2) 83 (4) Cannot be determined (5) None of these		



10.	The sum of the squares of tw(1) 54(5) None of these	vo coi (2)	secutive even numbers i 52	s 650 (3)	0. Which is the smal 48	lernumber? (4) 56
11.	The product of two successi(1) 63(5) None of these	ve nu (2)	mbers is 4032. Which Is 64	the gr (3)		ubers? (4) 66
12.	The sum of five consecutive(1) 108(4) Cannot be determined	(2)	per is 270. What is the su 107 None of these	um of (3)	the second and the fi 110	ifth number?
13.	The sum of five consecutive consecutive numbers whose A?					
	 (1) 223 (5) None of these 	(2)	225	(3)	235	(4) 243
14.	What Is the least number to(1) 16(5) None of these	be sul (2)	otracted from 945 to mak 30	te it a (3)		(4) 45
15.	If the numerator of a fraction 250%, the resultant fractions				minator of the fracti	on is increased by
	(1) $\frac{1}{2}$ (5) None of these	(2)		(3)	$\frac{1}{6}$	$(4)^{\frac{2}{3}}$
16.	The sum of five consecutive consecutive numbers whose (1) 182 (5) None of these					
17.	What is the least number that(1) 65(5) None of these		be added to the number 1 12			quare? (4) 4
18.	If the numerator of a fraction 300%, the resultant fraction		•		minator of the fracti	on is increased by
	(1) $\frac{4}{9}$ (5) None of these	(2)		(3)	<u>8</u> 9	$(4) \frac{8}{11}$
19.	The difference between the stogether is 20. Also, the larg of the smallest odd number at	gest ev	en number Is 5 more tha	n the		
	 (1) 75 (4) Cannot be determined 	(2) (5)	77 None of these	(3)	85	
20.	Sum of square of first numb number Is 15 less than squar					
	 (1) 18 (5) None of these 	(2)	8	(3)	9	(4) 16



- 21. The sum of nine consecutive odd numbers of set-A Is 621. What is the sum of different set of six consecutive even numbers whose lowest number is 15 more than the lowest number of set-A? (4) 488 (2) 468 (3) 478
 - (1) 498

4

None of these (5)

	ANSWER KEY								
1.	(1)	2.	(2)	3.	(1)	4.	(5)	5.	(2)
6.	(5)	7.	(5)	8.	(3)	9.	(5)	10.	(4)
11.	(2)	12.	(5)	13.	(5)	14.	(4)	15.	(5)
16.	(4)	17.	(4)	18.	(1)	19.	(2)	20.	(3)
21.	(5)								

SIMPLIFICATIONS

1. What will come in place of the question mark (?) in the following question?

$\frac{(?)^{5}}{36} =$	$=\frac{9}{(?)^{\overline{5}}}$					
(1) (5)		(2)	342	(3)	18	(4) 361

2. If A's salary is Rs. 10,000 less than B's salary, B's salary Is 15,000 less than C's salary and the sum of A. B and C's salary is Rs. 65,000, find the salary of A.

	(1) Rs . 10000 (5) None of these	(2)	Rs. 12000	(3)	Rs. 15000	(4) Rs. 25000
3.	1767 =?× 57					
	(1) 27(5) None of these	(2)	31	(3)	39	(4) 37
		DIRE	CTIONS: What should c	ome i	n place of the questi	on mark (?)
4.	361×250+50=25×?					
	(1) 74.2(5) None of these	(2)	72.2	(3)	70.4	(4) 72.4
	$^{1}\times 5620 - ^{2}\times ? = 373$					
5.	$ \frac{4}{(1)} $ $ \frac{5}{2850} $	(2)	2540	(3)	2560	(4) 2480
	(5) None of these	(2)	2310	(3)	2500	(1) 2100
6.	$(?)^3 \div 32 = 54$					
	(1) 18 (5) None of these	(2)	2744	(3)	1728	(4) 12
-	(5) None of these	1566	<u>_</u>			
7.	36% of 365 + ?% of 56.2 = (1) 35	156.6 ⁻ (2)	9 30	(3)	45	(4) 40
	(5) None of these	(-)		(0)		(1) 10
8.	$\sqrt{2916} \times \sqrt{?}= 2268$					
	(1) 1764(5) None of these	(2)	42	(3)	1936	(4) 44
	(5) None of these					

DIRECTIONS: What will come in place of the question mark (?) in the following questions?



9.	14% of 250×?%150=840 (1) 15 (5) None of these	(2)	18	(3)	16	(4)	12
10.	(?) ³ =729 (1) 14 (5) None of these	(2)	7	(3)	19	(4)	11
11.	$\begin{array}{l} 15.4 \times 13.5 \times 7 = 2598.75 \\ (1) 13.4 \\ (5) \text{None of these} \end{array}$	(2)	10.5	(3)	11.4	(4)	12.5
12.	6435.9 + 7546.4 + 1203.5 = (1) 15188.5 (5) None of these	=7 (2)	15185.8	(3)	15155.5	(4)	15815.8
13.	4.5 × 437 + 19 =7 (1) 103.5 (5) None of these	(2)	115.3	(3)	105.3	(4)	113.5

DIRECTIONS: What should come in place of the question mark (?) in the following questions?

14.	40% of 265 + 35% of 180 = (1) 338 (5) None of these	= 50% (2)	of? 84.5	(3)	253.5	(4) 169
15.	460×15-5×20=? (1) 92000 (5) None of these	(2)	4600	(3)	137800	(4) 7000
16.	5163 - 4018 + 3209 =? (1) 4174 (5) None of these	(2)	4264	(3)	4804	(4) 4354
17.	$4\frac{1}{5} \times 3\frac{1}{3}? = 20\% \text{ of } 120$					
	(1) $10\frac{1}{15}$ (5) None of these	(2)	10	(3)	5	(4) 15
18.	$\begin{array}{ll} 4848 \div 24 \times 11 - 222 = ? \\ (1) & 200 \end{array}$	(2)	2444	(3)	2000	(4) $115\frac{3}{8}$
	(5) None of these					
19.	32% of 150 × 53% of? = 76 (1) 480 (5) None of these	532 (2)	324	(3)	300	(4) 298
DIRE	CTIONS: What should come	in pla	ce of the question mark	(?) In	the following question	ons?
20.	7960+ 2956 - 8050+4028= (1) 6984 (5) None of these	? (2)	6884	(3)	6894	(4) 6954
21.	$25 \times 3.25 + 50.4 + 24 = ?$ (1) 84.50 (5) None of these	(2)	83.35	(3)	83.53	(4) 82.45
22.	$\begin{array}{l} 350\% \text{ of } ?+50+248=591\\ (1) 4900\\ (5) \text{None of these} \end{array}$	(2)	4890	(3)	4850	(4) 4950
23.	$\frac{1}{2}$ of 3842+ 15% of?= 2449 (1) 3520 (5) None of these	(2)	3250	(3)	3350	(4) 3540
24.	(833.25 - 384.45) + 24 =?					



									where car	eer starts
	(1) 1.87 (5) None o	f these	(2)	20.1		(3)	2.01		(4) 18.7	1
25.	$\frac{1}{5}$ of $\frac{2}{5}$ of $\frac{8}{3}$ of $\frac{409}{3}$	95=?								
	$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		(2)	598		(3)	648		(4) 475	
DIREC	CTIONS: What		in place of	of the question	on mark (?) i	in the	follow	ing questio	ns?	
			7 0							
26.	$\sqrt{360 - 225}$ (1) 17 (5) None of t		(2)	19		(3)	$\sqrt{279}$	Đ	(4) 289	
27.	$9^3 \times 81^2 + 27^3$	$^{3} = (3)^{?}$								
	(1) 3(5) None o		(2)	4		(3)	5		(4) 6	
28.	$572 + 26 \times 1$	2 - 200 = (2	2)?							
	(1) 5 (5) None o	f these	(2)	6		(3)	7		(4) 8	
29.	$4\frac{1}{2} - 2\frac{5}{6} = ? - 1\frac{7}{1}$									
	$\begin{array}{cccc} 2 & 6 & 1 \\ (1) & 3^1_4 \end{array}$	2	(2)	35		(3)	$-\frac{27}{12}$		(4) $\frac{3^3}{4}$	_
	(5) None o	f these	~ /	12			12		· · · · 4	
30.	36% of 245 -	40% of 21								
	(1) 4.2(5) None o	f these	(2)	6.8		(3)	4.9		(4) 5.6	ΤΛ
DIREC	CTIONS: Wha	t will come	In place of	of the questi	on mark (?) i	in the	follow	ving questio	ons?	
	2.6% 6.420	5.00 6.05	0.001							
31.	36% of 420 - (1) 48.2	- 56% of 35	0 = ?-94 (2)	49.2		(3)	-138.	8	(4) -15	8.8
	(5) None o	f these	(-/			(-)			(.)	
32.	$\frac{2}{3}$ or $1\frac{2}{5}$ of 75%	of 540=?								
	(1) 378		(2)	756		(3)	252		(4) 332	2
	(5) None o	f these								
33.	$(\sqrt{9}) \times (\sqrt{81})$	$(27)^2$					_			
	(1) 5 (5) None o	f these	(2)	4		(3)	7		(4) 6	
34.	$36 \times 15 - 56$		2=?							
	(1) 138		(2)	238		(3)	158		(4) 258	3
	(5) None o	f these								
35.	28.314-31.42	27+ 113,928				(2)	71.71	1	(1) 01	701
	(1) 81.711(5) None o	f these	(2)	80.701		(3)	/1./1	. 1	(4) 81.	/01
36.	If a number I	s subtracted	d by two-	third of 75 p	per cent of 60)0. the	e value	so obtained	d is 320. Wl	nat is the
	number? (1) 300		(2)	620		(3)	720		(4) 500	
	(1) 500 (5) None o	f these	(2)	520		(3)	, 20		(ד) 500	
				ANSW	ER KEY					
1.	(1)	2.	(1)	3.	(2)		4.	(2)	5.	(5)
<u>6.</u> 11	(4)	7. 12.	(3)	8.	(1)		9. 14	(3)	10. 15.	(5)
11.	(4)	12.	(2)	13.	(1)		l4.	(1)	15.	(5)

(4)

(2)

(1)

16.

21.

26.

17.

22.

27.

(2)

(1)

(3)

(3)

(1)

(2)

19.

24.

29.

(3)

(4)

(1)

20.

25.

30.

18.

23.

28.

(3)

(5)

(5)



31.		(2)	32.	(1)	33.	(3)	34.	(5)	35.	(4)
36.		(2)								
	RATIO AND PROPORTIONS									
1.	The ratio of the number of students studying in school A, B and C is 5 : 8 : 4 respectively. If the number of students studying In each of the school is increased by 20%, 25% and 30% respectively, what will be the new respective ratio of the students In school A, B and C? (1) 13: 25 : 15 (2) 20 : 25: 13 (3) 15: 25: 13 (4) Cannot be determined (5) None of these (IBPS PO Prelims 2014,Indian Bank Rural Marketing Officer Exam. 03.01.20 10)									
2.	The ratio between the angles of a quadrilateral is 7 : 2 : 5 : 6 respectively. What is the sum of double the smallest angle and half the largest angle of the quadrilateral? (1) 162° (2) 198° (3) 990 (4) 135° (5) None of these (IBPS clerk prelims 2015,Bank Of Baroda PO Exam. 30.08.2010)									
3.										
4.	The	angles o	of a quadrila				,	angle of the		,
T	to th triar	ne smalle ngle. Wh 80°	est angle of a at is the sec	a triangle. (ond largest (2) ned (5)	One of the an angle of the 60° None of these	ngles of the triangle?	triangle is (3) 120	s twice the sm	hallest angle	e of the
5.	betv	veen the	angles of th is the sum of	gle Is equa e quadrilat of second la	l to two-thir eral is 3: 4: 3 argest angle 180°	d of the sma 5 :6. Larges of the triang	allest angl t angle of gle and lan (3) 190	e of a quadril the triangle i gest angle of)°	ateral. The s twice its s the quadril (4) 170	ratio nallest ateral? °
							,	Of Baroda P		
6.	angl	le of the		ıl is 36°. W al?				tively. The va argest and th		
	(5)	None of	of these	. ,						
7.	angl			llest angles	of a triangle	e are in the r	atio of 3:	bad Bank P I respectively at of the large	. The secor	d largest
	(1) (5)	149 None o	of these	(2)	129		(3) 15.		(4) 173	
0	-			1 1 01 1				JCO Bank P		
8.		-	n the ratio c rs	of 17 : 20 re	char are in the espectively. 51 years		-	-	(4) 28 y	
9.	angl	le is half		nd largest a	angles of a t	riangle are i	in the ratio	onking Office of 4 : 3 resp nallest and the	ectively. Th	e smallest
	triar (1)	ngle? 30°		(2)	60°		(3) 40°	0	(4) 20°	



	(5) None of these			
		(IBPS clerk Prelin	ns 2015,Allahabad Bank I	PO Exam. 17.04.2011)
10.		en the present age of Rain a		ears ago the ratio of
		vely. What will be Rakesh's	• •	
	(1) 45 years	(2) 29 years	(3) 49 years	(4) Cannot be
	determined			
	(5) None of these			
		(SBI clerk Prelims	2014,Corporation Bank I	PO Exam. 16.01.2011)
11.	quadrilateral Is equal to the	es of a quadrilateral Is 3: 4 e smaller angle of a parallel		
	the parallelogram? (1) 136°	(2) 126°	(3) 94°	(4) 96°
	(5) None of these	(2) 120	(3) 91	(1))0
	(*)		(Syndicate Bank I	PO Exam. 29.08.2010)
12.	The ratio between the three	a angles of a quadrilateral is		
12.		e angles of a quadrilateral is What Is the difference betw		
	(1) 120°	(2) 90°	(3) 110°	(4) 100°
	(5) None of these		(Bank of India I	PO Exam. 31.10.2010)
13.	The ratio between the angl	les of a quadrilateral is 3 : 4	: 6 : 5. Two-third of the la	rgest angle of the
101		e smaller angle of a parallel		
	 (1) 120⁰ (5) None of these 	(2) 110°	(3) 100°	(4) 130°
		(Oriental Bank o	f Commerce PO Exam. 2	6.12.2010 (1st Sitting)
14.	One of the angles of a triar	ngle is two-third of sum of a		
14.		n ratio 5 : 7 respectively. W		
	(1) 25°	(2) 40°	(3) 35°	
	(4) Cannot be determined	d (5) None of these		
			(Corporation Bank I	PG Exam. 16.01.2011)
15.	One of the angles of quadr	ilateral is thrice the smaller	angle of a parallelogram	The respective ratio
101		es of the parallelogram is 4:		
		What is the sum of the lar		
	(1) 255°	(2) 260°	(3) 265°	(4) 270°
	(5) None of these			
16.		cent angles of a parallelogra		
		is 5:6:7: 12. What is the sum 1^{-1}	n of the smaller angle of pa	arallelogram and
	second largest angle of the (1) 1688	1	(2) 150	(4) 22.49
	 (1) 168° (5) None of these 	(2) 228°	(3) 156°	(4) 224°
	(5) None of these		(Indian Overseas Bank	PO Evom 22 05 2011)
. –				
17.		a are In the ratio of 9 : 5 restrence (in years) between the		ratio of their age will
	(1) 4 years	(2) 12 years	(3) 6 years	(4) 14 years
	(5) None of these		United India Insurance	A0 Exam. 26.05.2013
18.	The ratio of the age of Tin	a and Rakesh is 9 : 10 respe	ectively. Ten years ago the	ratio of their age was
10.	4: 5 respectively. What is t		curvery. Ten years ago the	rado or dieli age was
	 (1) 25 years (5) None of these 	(2) 20 years	(3) 30 years	(4) 24 years
			(Indian Bank I	PO Exam, 17.10.2010)



- 19. The ratio of the present age of Meena and Fiona is 16: 13 respectively. Four years ago the respective ratio of their age was 14: 11. What will be Fiona's age four years from now?
 - 28 years (2) 32 years (1)
 - (5) None of these

(5) 2

(3) 26 years (4) 36 years

(United Bank Of India PO Exam. 14.11.2010)

20. The respective ratio of the present age of Swati and Trupti Is 4 : 5. Six years hence the respective ratio of their age will be 6 : 7. What is the difference between their age?

(3)

4 years

- (1) 2 years (2) 3 years
- (4)Cannot be determined (5) None of these

(PNB Management Trainee Exam. 28.11.2010)

	ANSWER KEY								
1.	(3)	2.	(4)	3.	(4)	4.	(2)	5.	(2)
6.	(4)	7.	(3)	8.	(3)	9.	(3)	10.	(3)
11.	(2)	12.	(2)	13.	(3)	14.	(3)	15.	(2)
16.	(1)	17.	(5)	18.	(2)	19.	(5)	20.	(2)

ALLIGATION AND MIXTURE

1. There was 120 litres of pure milk In a vessel. Some quantity of milk was taken out and replaced with 23 litres of water In such a way that the resultant ratio between the quantities of milk and water in the mixture was 4:1 respectively. Again 23 litres of the mixture was taken out and replaced with 27 litres of water. What is the respective ratio of milk and water In the resultant mixture? (1) 58:37 (2) 116:69 (3) 69:43 (4) 101 : 37 (5) 368: 227 (SBI clerk Prelims 2015, BOB Junior Management Grade/Scale-I Exam. 18.04.2015)

2. Manish bought 25 kg of rice at Rs.32 per kg and 15kg of rice at Rs.36 per kg. What profit did he get when he mixed the two varieties together and sold it at Rs.40.20 per kg?

(1) 25% (2) 40% (3) 30% (4) 20%(5) None of these

(IBPS clerk Prelims 2014, Bank P0/MT CWE- 28.10.2013)

- 3. 18 litres of pure water was added to a vessel containing 80 litres of pure milk. 49 litres of the resultant mixture was then sold and some more quantity of pure milk and pure water was added to the vessel In the respective ratio of 2:1. If the resultant respective ratio of milk and water in the vessel was 4:1.what was the quantity of pure milk added In the vessel ? (In litres) (1) 4
 - (3) 10 (2) 8 (4) 12

(IBPS PO Prelims 2015, Bank P0/MT CWE-V (Preliminary) 03.10.2015)

4. A vessel contains a mixture of milk and water in the respective ratio of 3:1. 32 litres of mixture was taken out and replaced with the same quantity of milk so that the resultant ratio between the quantities of milk and water in the mixture was 4:1 respectively. If 10 litres of mixture is again taken out from the vessel, what Is the resultant quantity of water in the mixture? (in litres) (1) 24 (2) 30 (3) 20 (4) 36 (5) 32

(SBI PO Prelims 2014, RET Officer Grade B' Phase-I Exam. 21.11.2015)

5. A container has 30 litres of water, if 3 litres of water is replaced by 3 litres of spirit and this operation is repeated twice, what will be the quantity of water In the new mixture?

- (1) 24 litres (2) 23 litres (3) 24.3 litres (4) 23.3 litres None of these (5)
 - (SBI clerk Prelims 2015,LIC Assistant Administrative Officer (AAO) Exam. 12.05.2013)
- Two barrels contain a mixture of ethanol and gasoline. The content of the ethanol is 60% in the first 6. barrel and 30% In the second barrel. In what ratio must the mixtures from the first and the second barrels be taken to form a mixture containing 50% ethanol? (1) 1:2 (2) 2:1 (3) 2:3 (4) 3:2
 - None of these (5)

(IBPS PO Prelims2014, General Insurance Corporation AAO Exam. 11.12.2011)



1) $\frac{1}{10}$ (2) $\frac{10\pi}{\pi+10}$ (3) $\frac{10\pi}{\pi+10}$ (4) $\frac{10\pi}{\pi-10}$ (5) None of these: IPS cirk Frelins 2015,Oriental Insurance Company AAO Exam. 08.04.2013 8. From a container of milk, 5 litres of milk is replaced with 5 litres of vater. This process Is repeated again. Thus in two attempts the ratio of milk and water became 81: 19. The initial amount of milk in the container was: (1) 50 litres (3) 40 litres (4) 25 litres (1) 50 litres (2) 45 litres of milk and water became 81: 19. The initial amount of milk in the container was: (1) 70 litres (2) 45 litres of pure milk and water the crant of 22: 3. 40 litres of the mixture Is taken out from the vessel and 4.8 litres of pure milk and pure vater cach Is added to the mixture. By what percent Is the quantity of milker's of pure milk and pure vater cach Is added to the mixture. By what percent Is the quantity of milker's of pare mile and orange juices In the resultant mixture become same. Find out the Initial quantity of mixture In the vessel. (1) 78 $\frac{1}{2}$ (2) 79 $\frac{1}{2}$ (3) 60 litres (4) 80 litres is added to the wasture of the wasture is replaced by 8 litres of pape locic and 2 litres of mape locics. Is the contains a nixture of Grape, Pineapple and Banana juices. The refere the quantities of apple and orange juices In the resultant quantity of pape luice is 10 litres litres of grape. Juice and 2 litres of grape. J	7.	To x litres of an x% solution of acid, y litres 20, then value of y is	of water is added to get $(x-10)$ % solution of acid. If x>
(IBPS clerk Prelims 2015,Oriental Insurance Company AAO Exam. 0804,2012) 8. From a container of milk is replaced with 5 litres of water. This process Is repeated again. Thus in two attempts the ratio of milk and water became \$1: 19. The initial amount of milk in the container was: (1) 50 htres (2) 45 litres (3) 40 litres (4) 25 litres (5) None of these (BF D Prelims 2014,RB: Officer Grade B' Phase-1, Exam. 03.08.2014) 9. A vessel contains 100 litres mixture of milk and water In the respective ratio of 22: 3.40 litres of the mixture. Is taken out form the vessel and 4.8 litres of pure milk and pure water each Is added to the mixture. Is taken out to form the vessel and 4.8 litres of pure milk and pure water each Is added to the mixture. Is taken out Is replaced by 8 litres of apple juice. Thereafter the quantities of apple and orange juices In the ratio of 3: 5: 4 respectively. A quantity of 12 litres from the mixture Is replaced by 8 litres of apple juice. Thereafter the quantities of apple and orange juices In the resultant mixture become same. Find out the Initial quantity of mixture In the vessel. 10. To fitres (2) 6 fitres (3) 60 litres (4) 80 litres (1) 76 litres (2) 6 fitres (3) 60 litres (4) 80 litres (1) 76 litres (2) 6 litres (3) 60 litres (4) 80 litres (2) 70 litres (2) 6 litres (3) 60 litres (4) 80 litres (3) None of these (IIBPS Bank PO/MT CWE-V (Preliminary) 10.10.2015 lits (110) (4) 120 (2) 150 (3) 105 (4)		(1) $\frac{x^2}{100}$ (2) $\frac{10x}{x-10}$	(3) $\frac{10x}{x+10}$ (4) $\frac{10x^2}{x-10}$
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<pre>again. Thus in two attempts the ratio of milk and water became \$1: 19. The initial amount of milk in the container was (1) 50 litres (2) 45 litres (3) 40 litres (4) 25 litres (5) None of these (SIP O Prelims 2014, RE) Officer Grade B' Phase-1, Exam. 03.08.2014) 9. A vessel contains 100 litres mixture of milk and water In the respective ratio of 22: 3. 40 litres of the mixture. By what percent Is the quantity of water in the final mixture less than the quantity of milk? (1) 78¹/₂ (2) 79²/₆ (3) 72⁵/₆ (4) 76 (3) 77¹/₂ (IJPS RRBs Officer Scale. 1& II CWE 13.09.2016) 10. In a vessel, there Is a mixture of apple, orange and mango juices. In the ratio of 3: 5: 4 respectively. A quantity of 12 litres from the nixture Is replaced by 8 litres of apple juice. Thereafter the quantities of apple and orange juices In the resultant mixture become same. Find out the Initial quantity of mixture In the vessel. (1) 76 litres (2) 65 litres (3) 60 litres (4) 80 litres (5) None of these (IBPS Bank PO/NT CWE-V (Preliminary) 10.10.20151st Sitting) 11. A vessel contains a mixture of Grape, Pineupple and Banana juices in the respective ratio of 4.65.115 litres of this mixture is taken out and b litres of grape Juice and Present the state out and the litres of junce physical place is added to the vessel. 1 the resultant quantity of grape Juice 10 litres less than the resultant quantity of grape Juice 10 litres less than the resultant quantity of pineupple Juice, what was the initial quantity of mixture in the vessel? (in litres of the mixture tree removals and replacements, what Is the ratio of milk and water In the respective TM to 4.65.115 12. A 20 litre mixture contains milk and water In the respective TM to 4.65.13 13. A jar has 60 litres of mine physic milk and water In the respective Preliminary 10.10.2015 14. A vessel containt a mixture of the newly formed mixture is taken out of the mixture respocively? (1) 17.3 (2) 9:1 (3) 4:17 (4) 5:3 (5) 30:1 (IBPS Bank PO/NT CWE-V Main Exam. 31.10.2015) 13. A jar has 60 l</pre>	8.		
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(IBPS RRBs Officer Scale- I& II CWE 13.09.2016) 10. In a vessel, here Is a mixture of apple, orange and mango juices In the ratio of 3 : 5 : 4 respectively. A quantity of 12 litres from the mixture Is regulated by 8 litres of apple juice. Thereafter the quantities of apple and orange juices In the resultant mixture become same. Find out the Initial quantity of mixture In the vessel. (1) 76 litres (2) 65 litres (3) 60 litres (4) 80 litres (5) None of these (IBPS Bank PO/MT CWE-V (Preliminary) 10.10.20151st Sitting) 11. A vessel contains a mixture of Grape, Pineapple and Banana juices in the respective ratio of 4:6:5.15 litres of this mixture Is taken out and 8 litres of grape Juice and 2 litres of pineapple juice is added to the vessel. It he resultant quantity of grape Juice Is 10 litres less than the resultant quantity of pineapple Juice, what was the initial quantity of mixture in the vessel? (in litres) (1) 120 (1) 120 (2) 150 (3) 105 (4) 135 (5) 90 (IBPS Bank PO/MT CWE/Oreliminary) 10.10.2015 12. A 20 litre mixture contains milk and water In the respective ratio of 3:2. Then 10 litres of the mixture is removed and replaced with pure milk and the operations is repeated once more. At the end of the two removals and replaced with pure milk and the operations is repeated once more. At the end of the two removals and replaced with pure milk and the operations is repeated once more. At the end of the two removals and replaced with pure milk and the operations is repeated once more. At the end of the two removed and replaced with pure milk is addet to the vessel. The ratis stare is certain quantity		(5) $77\frac{1}{2}$	0
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(1) 20% (2) 22% (3) 24% (4) 25% (5) None of these			
(5) None of these			
			(3) 2+70 (4) 2370
			(New India Insurance AAO Exam. 22.06.2011)



ANSWER KEY									
1.	(5)	2.	(4)	3.	(1)	4.	(2)	5.	(3)
6.	(2)	7.	(2)	8.	(1)	9.	(2)	10.	(3)
11.	(4)	12.	(2)	13.	(1)	14.	(4)	15.	(4)

PARTNERSHIP

1.	A and B started a business with joined with Rs. 6000. If the dif 1977, what was the total annua	ference between C's share			
	(1) Rs. 15,620 (2 (5) Rs. 13,180	-	(3)	Rs. 14,690	(4) Rs. 12,770
		(IBPS PO Prelims 201	14, Sp	ecialist Officer (IT)	CWE 14.02.2016)
2.	A man gave 20% of his salary to daughter is 3 : 2 respectively. To of the remaining amount he gave the amount invested in LIC.	wice the amount what he	gave to	his daughter. He in	vested in UC. Out
	(1) Rs. 5600 (2) (5) None of these	2) Rs. 5400	(3)	Rs. 5800	(4) Rs. 6200
		I PO Prelims 2015, Phas	e-I (Pr	eliminary) Online	Exam. 20.06.2015)
3.	Tanvi started a business investi Rs.52.000. At the end of the ye Anisha?				
	 (1) Rs.21,450 (2) (5) None of these 	c) Rs.24,440	(3)	Rs.27635	(4) Rs.31,765
		PS clerk Prelims 2014,Uni	ited In	dia Insurance AO	Exam. 26.05.2013)
4.	Mrudul invested an amount of Later by Investing an amount of				
	two years, what was Mrudul's				
	(1) Rs.60,725 (2) (5) None of these	2) Rs.61,950	(3)	Rs.59,250	(4) Rs.58,625
	(3) None of these	(SBI clerk Prelin	ns 201	5,Indian Bank PO	Exam. 02.01.2011)
5.	Rs.73,689, are divided between of A and twice the share of B?	Aand Bin the ratio4: 7. W	Vhat Is	the difference betwe	een thrice the share
	(1) Rs.36,699 (2 (5) Rs.13,398	2) Rs.46,893	(3)	Rs.20,097	(4) Rs.26,796
		(IBPS clerk Pr	relims2	2014, Bank PO/MT	CWE 17.06.2012)
6.	Geeta, Shweta and Sita started In the end of the year there was business. The remaining amount	s a profit of Rs.24000. Sita			
	(1) Rs.4986 (2 (5) None of these	-	(3)	Rs.4886	(4) Rs.4896
		Corporation Bank Specia	alist O	fficer (Marketing)	Exam. 22.02.2014)
7.	A starts a business with an Init partnership with an investment Rs.30000. If C receives Rs.184 (1) Rs.6027 (2) (5) None of these	of Rs.24000. Again after t 5 in the profit at the end of	two mo	onths C enters with a	n investment of
	(3) None of these	(IBPS PO Prelims 2	2015,B	ank of Baroda PO	Exam. 14.08.2014)
8.	A, B and C started a business b months. A and B withdrew an a 8,000. All of them invested for share of prof. It, what was the t	y Investing Rs. 20,000 Rn amount of Rs. 8,000 each a equal period of time. if at	. 28,00 and C I	0 and Rs. 36,000 res	spectively. Alter 6 al amount of Rs.
	(1) Rs. 25,100 (2 (5) Rs. 21,440	2) Rs, 26,600	(3)	Rs. 24,300	(4) Rs. 22,960
	(II	BPS clerk Prelims 2014, R	RRBs (Officer Scale-I & II	CWE 12.09.2015)

			CANKERS where career starts
9.	Sonu invested 10% more than Mona. Mona inve Investment Is Rs.5,780, how much amount did I	Raghu Invest?	
	 (1) Rs.2010 (2) Rs.2000 (5) None of these 	(3) Rs.2100	(4) Rs.2210
		(Indian Bank	PO Exam. 17.10.2010)
10.	Gina Invests Rs.48,000 to start a business. Four and another two months later Deepika joins ther business earns a profit of 20,661. What is Pepika	n both by investing 80.000. At t	
	(1) Rs.7,668 (2) Rs.6,603 (5) None of these	(3) Rs.7,240	(4) Rs.6,390
		(United Bank of India	PO Exam. 14.11.2010)
11.	Three men A. B and C start a business together. respectively In the beginning. After 4 months. B profit of Rs.11960 at the end of the year. B's sha	took out Rs.6000 and C tookou	
	(1) Rs.2700 (2) Rs.2803 (5) None of these	(3) Rs.2900	(4) Rs.2785
		(IBPS Bank PO/MT	T CWE-Ifl 26. 10.2013)
12.	A. B and C started a business in partnership with respectively. After 4 months A leaves. After 6 n his earlier Investment. After 10 months C leaves the year they earn a profit of Rs.53622. Find the (1) Rs.17221 (2) Rs.17212	nonths B leaves and A joins with s and B joins with his prior Inves	h an amount equal to stment. At the end of
	(5) None of these (2) R3.17212		
			icer Exam. 09.09.2014)
13.	Two persons A and B start a business with Invest 4 months C also joined them with certain invest share In profit was Rs.7600. What was the C's I	ment. Total profit at the end of t nvestment In the business?	he year was 19950. C's
	(1) Rs.48000 (2) Rs.45000 (5) None of these	(3) Rs.50000	(4) Rs.40000
14.		nt of money. After four months at which was Rs. 6,000 less than the start of business with an an d of the year total investment re f B received Rs. 8,000 as profit (3) Rs. 46,000 hior Management Grade/Scale	 'A's Initial investment. nount which was Rs. sported was Rs. share? (in Rupees) (4) Rs. 42,000 2—I Exam. 18.04.2018)
15.	A started a business. After 4 months from the st between the investments of A, B and C was 4 : 0 C's share, what was the total annual profit earner	6:5. If A's share in annual profited?	t was Rs. 250 more than
	(1) Rs. 3740 (2) Rs. 3910 (5) None of these	(3) Rs. 4250	(4) Rs. 4350
	(IB	BPS Bank PO/MT CWE-V (Pr	•
16.	A and B started a business with the investments the start of the business, C Joined them and the r was 2:3.11 the annual profit earned by them was share and C's share In the profit?	respective ratio between the Inv	restments of B and C
	(1) Rs. 900 (2) Rs. 800 (5) Rs. 700	(3) Rs. 600	(4) Rs. 400
17.	(IB A and B started a business with Initial Investme from the start of the business, A invested Rs. 20 one year, if the profit was distributed among the	00 more and B invested Rs. 700 em In the ratio of 2 : 1 respective	: 7. After four months 00 more. At the end of
	Initial investment with which A and B started th (1) Rs. 50,000 (2) Rs. 25,000 (5) Rs. 1,25,000	(3) Rs. 1,50,000	(4) Rs. 75,000
		(IBPS RRB. Officer Scale-I	& II CWE 13.09.2015)



	ANSWER KEY										
1.	(5)	2.	(1)	3.	(5)	4.	(2)	5.	(5)		
6.	(4)	7.	(1)	8.	(1)	9.	(2)	10.	(4)		
11.	(2)	12.	(2)	13.	(1)	14.	(1)	15.	(3)		
16.	(1)	17.	(1)								

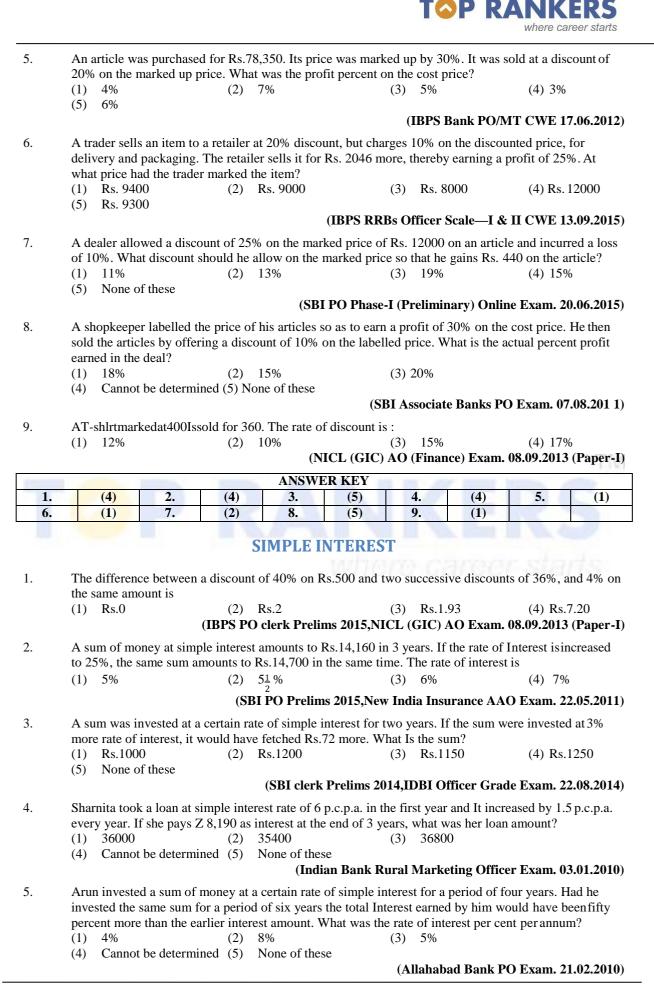
PROFIT AND LOSS 1. Meera purchased an Item for Rs.62,000 and sold It at loss of 25 percent. With that amount she purchased another item and sold it at a gain of 30 percent. What was her overall gain/loss? Profit of Rs 1560 (1)Loss of Rs.1560 (2) (3) Loss of Rs.1550 (4) Profit of Rs.1550 (5) None of these (SBI clerk Prelims 2015,UCO Bank PO Exam. 30.01.201 1) Seema purchased an Item for Rs.9,600 and sold It for a loss of 5 percent. From that money she 2. purchased another item and sold It for a gain of 5 percent. What Is her overall gain/loss? (4) Profit of 36 (1)Loss of Rs.36 (2) Profit of Rs.24 (3) Loss of Rs.54 None of these (5) (SBI clerk prelims 2014, Bank Of Baroda PO Exam. 13.03.2011) 3. What profit/loss per cent did Ravi earn If he purchased an item of T 5600 and sold it at three-fourth of its cost price? (1) Loss of 20 percent Gain of 25 percent (2)Neither gain nor Loss (4) Loss of 15 percent (3) None of these (5) (IBPS PO Prelims 2014, Oriental Bank Of Commerce PO Exam. 26.12.2010 (lit Sitting)) 4. Prasad sold his work tools for 1,850 and earned a profit of 25 percent. At what price did Prasad buy the work tools? (1) Rs.1,360 (2) Rs.1,300 (3) Rs.1,240 (4) Rs.1,480 (5)None of these (IBPS clerk Prelims 2015, Indian Bank PO Exam. 02.01.2011) Rajni purchased a mobile phone and a refrigerator for T 12,000 and T 10.000 respectively. She sold the 5. refrigerator at a loss of 12 per cent and mobile phone at a profit of 8 per cent. What is her overall loss/profit? (1) Loss of Rs.280 Profit of Rs.2,160 (3) Loss of Rs.240 (2)Profit of Rs.2,060 (5)None of these (4) (SBI PO Prelims 2014, Punjab & Sind Bank PO Exam. 16.05.2010) 6. A shopkeeper sells notebooks at the rate of Rs. 45 each and earns a commission of 4%. He also sells pencil box at the rate of Rs.80 each and earns a commission of 20%. How much amount of commission will he earn in two weeks If he sells 10 notebooks and 6 pencil boxes a day? (1)Rs. 1.956 (2) Rs. 1.586 (3) Rs. 1,496 (4) Rs. 1,596 None of these (5) (SBI clerk Prelims2015Central Bank Of India PO Exam. 26.07.2010) The profit earned after selling an article for Rs.1,516 is the same as loss incurred after selling the 7. article for Rs.1,112. What Is the cost price of the article? Rs.1.314 (1)(2) Rs.1,343 (3) Rs.1,414 (4) Rs.1.434 (5) None of these (IBPS clerk Prelims 2014, United India Insurance A0 Exam. 26.06.2013) 8. A shopkeeper bought 84 identical shirts priced at Rs.240 each. He spent a total of Rs.3200 on transportation and packaging. He put the label of marked price of Rs.420 on each shirt. He offered a discount of 15% on each shirt at the marked price. What is the total profit of the shopkeeper in the whole transaction? (1) Rs.6258 (2) Rs.6528 (3) Rs.6268 (4) Rs.6628 None of these (5) (IBPS Bank PO/MT CWE-IV 18, 10,2014) 9. An article is sold at a loss of 10%. Its cost price is Rs.800. A discount of 20% was offered on the labelled price while selling. What is the loss per cent at the labelled price? (2) 15% (1)10% (3) 20% (4) 25%

(5) None of these

(IBPS RRBs Officer Scale-I CWE, 06.09.2014)



10.	penc	il and in	curs a loss of	Rs.55. i	if he sells the				he has at the s for Rs.1.7		
		• •	does Vinod	have?							
	(1)	220	1 1	(2)	240		(3)	200			
	(4)	Cannot	be determine	ed (5)	None of thes			Maulaa	tine Office		2 01 2010)
						an Bank R			-		
11.	quar	ntity at th		50 per kg	neat at the rate g. Approxima all profit?						
	(1)	Rs.54	F	(2)	Rs.52		(3)	Rs.50)	(4) Rs.	60
	(5)	Rs. 56									
										O Exam. 2	
12.		e on the		or Rs.2,5	0,000 and sol	d it for Rs.:	3,48,0		-	ercent profi	t she
	(1) (5)	40% None o	f these	(2)	39.2%		(3)	38.4%	0	(4) 38%	6
							(Cor	poratio	on Bank Po	O Exam. 09	9.05.2010)
13.					400 at a loss			r cent.	At what rat	te should he	ehave
	sold (1)	the wrist Rs.3,60		-	t of twenty fi Rs. 4,000	ve per cent?		$\mathbf{D}_{\mathbf{a}} 2 \mathbf{b}$	500	(4) Rs.	2 200
	(1) (5)	None o		(2)	KS. 4,000		(3)	Rs.3,5	500	(4) KS	5,800
							(.	Bank (Of India P	O Exam. 3	1.10.2010)
14.					4,000. He solo						again
	purc (1)	hased an Loss of		d sold it	at a profit of Profit of 567			at Is hi Loss			fit of 648
	(1) (5)	None o		(2)	110111 01 507						-1.IV
							(Cor	poratio	on Bank P	O Exam. 10	6.01.2011)
	-				ANSWE	R KEY		-			
4		(3)	2.	(5)	2	(2)		4.	(4)	5.	(3)
1.		(\mathbf{J})	4.	(\mathbf{J})	3.	(2)		т.	(-)	5.	(3)
6.		(4)	7.	(1)	8.	(4)	9	9.	(3)	<u> </u>	(1)
							9				
6.	to pa	(4) (4) i ate In a ay 10% a	7. 12. restaurant an s service tax Included a tip	(1) (2) ad got a 1 and 8% p of Rs. 2 (2)	8. 13. DISCO membership o service charg 200, how muo Rs. 314	(4) (2) DUNT liscount of 3 e on the dis ch money d	30% (scount id he (3)	9. 4. on the o ted bill give as Rs. 29	(3) (4) Driginal bill amount. If s service ch 96	10. amount bu Ravi paid l arge? (4) Rs. 3	(1) It he had Rs. 308
6. 11.	to pa 4,74 (1) (5)	(4) (4) i ate In a ay 10% a 3.which Rs. 324 Rs. 272	7. 12. restaurant an s service tax Included a tip (SE)	(1) (2) (2) (1) (2) (2) (2) (2) (2) (2) (2) (2) (2) (2	8. 13. DISCO membership o service charg 200, how muo Rs. 314 relims 2014, P	(4) (2) DUNT liscount of 3 e on the dis ch money d NABARD (30% of count id he (3)	9. 4. on the o ted bill give as Rs. 29 er Grae	(3) (4) original bill amount. If s service ch 96 de A Onlin	10. amount bu Ravi paid arge? (4) Rs. (e Exam. 0)	(1) It he had Rs. 308 3.08.2014)
6. 11.	to pa 4,74 (1) (5) Girie	(4) (4) i ate In a ay 10% a 3.which Rs. 324 Rs. 272 dhar pure	7. 12. restaurant an s service tax Included a tip .	(1) (2) (2) (1) (2) (2) (2) (2) (3) (2) (3) (2) (3) (4) (4) (4) (5) (4) (4) (5) (4) (5) (4) (5) (6) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7	8. 13. DISCO membership of service charg 200, how muo Rs. 314 relims 2014, 50 per piece.	(4) (2) DUNT liscount of 3 e on the dis ch money d NABARD (While sellin	30% of scount id he (3)	9. 4. on the o ted bill give as Rs. 29 er Grad offered	(3) (4) original bill amount. If s service ch 96 de A Onlin d 10% disco	10. amount bu Ravi paid arge? (4) Rs. (e Exam. 0)	(1) It he had Rs. 308 3.08.2014)
6. 11. 1.	to pa 4,74 (1) (5) Girid price	(4) (4) i ate In a ay 10% a 3.which Rs. 324 Rs. 272 dhar purc e and ear	7. 12. restaurant an s service tax Included a tip .	(1) (2) (2) (2) (2) (2) (2) (2) (3) (2) (3) (2) (3) (4) (4) (4) (2) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	8. 13. DISCO membership of service charg 200, how muo Rs. 314 relims 2014,P 50 per piece. What was the	(4) (2) DUNT liscount of 3 e on the dis ch money d NABARD (While sellin	30% of scount id he (3) Office ng he ice of	9. 4. on the o ted bill give as Rs. 29 er Grao offered each s	(3) (4) original bill amount. If s service ch 96 de A Onlin d 10% disco aree?	10. amount bu Ravi paid l arge? (4) Rs. 3 e Exam. 03 punt on the	(1) It he had Rs. 308 3.08.2014) labelled
6. 11. 1.	to pa 4,74 (1) (5) Girie	(4) (4) i ate In a ay 10% a 3.which Rs. 324 Rs. 272 dhar pure	7. 12. restaurant an s service tax Included a tip (SE chased 100 sa ned a profit c	(1) (2) (2) (1) (2) (2) (2) (2) (3) (2) (3) (2) (3) (4) (4) (4) (5) (4) (4) (5) (4) (5) (4) (5) (6) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7	8. 13. DISCO membership of service charg 200, how muo Rs. 314 relims 2014, 50 per piece.	(4) (2) DUNT liscount of 3 e on the dis ch money d NABARD (While sellin	30% of scount id he (3) Office ng he ice of	9. 4. on the o ted bill give as Rs. 29 er Grad offered	(3) (4) original bill amount. If s service ch 96 de A Onlin d 10% disco aree?	10. amount bu Ravi paid arge? (4) Rs. (e Exam. 0)	(1) It he had Rs. 308 3.08.2014) labelled
6. 11. 1.	to pa 4,74 (1) (5) Girid price (1) (5)	(4) (4) (4) i ate In a ay 10% a 3.which Rs. 324 Rs. 272 dhar purc e and ear Rs.540 None o	7. 12. restaurant an s service tax Included a tip (SE chased 100 sa ned a profit c f these	(1) (2) (2) (2) (2) (2) (3) (2) (3) (3) (3) (3) (3) (3) (3) (3) (3) (3	8. 13. DISCO membership of service charg 200, how muc Rs. 314 relims 2014,P 50 per piece. What was the Rs.650 clerk PO Pre	(4) (2) DUNT liscount of 3 e on the dis ch money d NABARD (While sellin labelled pri	30% of scound id he (3) Office ice of (3) PNB	9. 4. on the of ted bill give as Rs. 29 er Grad offered each s Rs.59 Specia	(3) (4) original bill amount. If s service ch 96 de A Onlin d 10% disce aree? 0 list Officen	10. amount bu Ravi paid l arge? (4) Rs. e Exam. 03 bunt on the (4) Rs. s Exam. 10	(1) It he had Rs. 308 3.08.2014) labelled 600 6.08.2009)
6. 11. 1.	to pa 4,74 (1) (5) Girid price (1) (5) A m amo	(4) (4) (4) i ate In a ay 10% a 3.which Rs. 324 Rs. 272 dhar purc e and ear Rs.540 None o an buys a unt of 25	7. 12. restaurant an s service tax Included a tip (SE chased 100 sa ned a profit c f these a single apple	(1) (2) (2) (2) (2) (2) (2) (2) (3) (3) (2) (2) (3) (3) (3) (2) (3) (3) (2) (3) (3) (2) (3) (2) (2) (2) (2) (2) (3) (2) (3) (3) (3) (3) (3) (3) (3) (3) (3) (3	8. 13. DISCO membership of service charg 200, how muo Rs. 314 relims 2014, 50 per piece. What was the Rs.650	(4) (2) DUNT liscount of 3 e on the dis ch money d NABARD (While sellin labelled pri lims 2015, buy a dozen	30% of scount id he (3) Office ng he ice of (3) PNB n app	9. 4. on the o ted bill give as Rs. 29 er Grac offered each s Rs.59 Specia les, he	(3) (4) original bill amount. If s service ch 96 de A Onlin d 10% disco aree? 10 list Officer would have	10. amount bu Ravi paid l arge? (4) Rs. e Exam. 0. ount on the (4) Rs. c rs Exam. 10 e to pay a to	(1) It he had Rs. 308 3.08.2014) labelled 500 5.08.2009) otal
6. 11. 1.	to pa 4,74 (1) (5) Girid price (1) (5) A m amo appl (1)	(4) (4) (4) i ate In a ay 10% a 3.which Rs. 324 Rs. 272 dhar purce e and ear Rs.540 None o an buys a unt of 25 es? 32%	7. 12. restaurant an s service tax Included a tip (SE chased 100 sa ned a profit c f these a single apple	(1) (2) (2) (2) (2) (2) (2) (2) (3) (3) (2) (2) (3) (3) (3) (2) (3) (3) (2) (3) (3) (2) (3) (2) (2) (2) (2) (2) (3) (2) (3) (3) (3) (3) (3) (3) (3) (3) (3) (3	8. 13. DISCO membership of service charg 200, how muo Rs. 314 relims 2014,1 50 per piece. What was the Rs.650 clerk PO Pre- If he were to	(4) (2) DUNT liscount of 3 e on the dis ch money d NABARD (While sellin labelled pri lims 2015, buy a dozen	30% of scount id he (3) Office ng he ice of (3) PNB n app	9. 4. on the o ted bill give as Rs. 29 er Grac offered each s Rs.59 Specia les, he	(3) (4) original bill amount. If s service ch 96 de A Onlin d 10% disco aree? 10 list Officer would have	10. amount bu Ravi paid l arge? (4) Rs. e Exam. 0. ount on the (4) Rs. c rs Exam. 10 e to pay a to	(1) It he had Rs. 308 3.08.2014) labelled 500 5.08.2009) otal
6. 11. 1.	to pa 4,74 (1) (5) Girid price (1) (5) A m amo appl	(4) (4) (4) i ate In a ay 10% a 3.which Rs. 324 Rs. 272 dhar purc e and ear Rs.540 None o an buys a unt of 25 es?	7. 12. restaurant an s service tax Included a tip (SE chased 100 sa ned a profit c f these a single apple	(1) (2) (2) (2) (2) (2) (2) (2) (3) (2) (2) (3) (2) (2) (3) (3) (2) (3) (3) (3) (4) (4) (5) (4) (5) (4) (5) (4) (5) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7	8. 13. DISCO membership of service charg 200, how muo Rs. 314 relims 2014,P 50 per piece. What was the Rs.650 clerk PO Pre If he were to e approximate	(4) (2) DUNT liscount of 3 e on the dis ch money d NABARD (While sellin labelled pri buy a dozen e per cent di	30% of count id he (3) Office ng he ice of (3) PNB iscourt (3)	9. 4. on the of ted bill give as Rs. 29 er Grace offered each s Rs.59 Specia les, he nt he w 12%	(3) (4) original bill amount. If s service ch 96 de A Onlin d 10% disce aree? 00 list Officer would have	10. amount bu Ravi paid l arge? (4) Rs. (4) Rs. (4) Rs. (4) Rs. (4) Rs. (5) Exam. 10 (4) Rs. (4) 8%	(1) It he had Rs. 308 3.08.2014) labelled 600 6.08.2009) otal ozen
6. 11. 1.	to pa 4,74 (1) (5) Giria price (1) (5) A m amo appl (1) (5) A di on th	(4) (4) (4) i ate In a ay 10% a 3.which Rs. 324 Rs. 272 dhar purce e and ear Rs.540 None o an buys a unt of 25 es? 32% 17% scount on the discourt	7. 12. restaurant an s service tax Included a tip (SE) chased 100 sa ned a profit of f these a single apple i0. What wou f 15% is give inted price. If	(1) (2) (2) (2) (2) (2) (3) (2) (3) (2) (3) (3) (3) (2) (3) (3) (3) (3) (2) (3) (3) (2) (3) (3) (3) (2) (3) (3) (2) (3) (3) (3) (3) (3) (3) (3) (3) (3) (3	8. 13. DISCO membership of service charg 200, how muo Rs. 314 relims 2014,P 50 per piece. What was the Rs.650 clerk PO Pre If he were to e approximate 20% marked price ing price be F	(4) (2) DUNT liscount of 3 e on the dis ch money d NABARD (While sellin labelled pri lims 2015,1 buy a dozen e per cent di (Bank Of e of an artic	30% of scount id he (3) Office ng he ice of (3) PNB iscourt (3) f Indi le. Th what	 9. 4. 4. 4. 4. 5. 5.<td>(3) (4) original bill amount. If s service ch 26 de A Onlin d 10% disce aree? 00 list Officer would have rould get or king Office keeper chai marked prio</td><td>10. amount bu Ravi paid l arge? (4) Rs. (e Exam. 0) ount on the (4) Rs.(rs Exam. 10 e to pay a to buying a d (4) 8% er Exam. 24 rges sales ta ce of the art</td><td>(1) (1) (1) (1) (1) (1) (1) (1)</td>	(3) (4) original bill amount. If s service ch 26 de A Onlin d 10% disce aree? 00 list Officer would have rould get or king Office keeper chai marked prio	10. amount bu Ravi paid l arge? (4) Rs. (e Exam. 0) ount on the (4) Rs.(rs Exam. 10 e to pay a to buying a d (4) 8% er Exam. 24 rges sales ta ce of the art	(1) (1) (1) (1) (1) (1) (1) (1)
6. 11. 1. 2. 3.	to pa 4,74 (1) (5) Giria prica (1) (5) A m amo appl (1) (5) A di on th (1)	(4) (4) (4) (4) i ate In a ay 10% a 3.which Rs. 324 Rs. 272 dhar purce e and ear Rs.540 None o an buys a unt of 25 es? 32% 17% scount o he discour Rs.118	7. 12. restaurant an s service tax Included a tip (SE) chased 100 sa ned a profit co f these a single apple i0. What wou f 15% is give inted price. If 5.20	(1) (2) (2) (2) (2) (2) (3) (2) (3) (2) (3) (3) (3) (2) (3) (3) (3) (3) (2) (3) (3) (2) (3) (3) (3) (2) (3) (3) (2) (3) (3) (3) (3) (3) (3) (3) (3) (3) (3	8. 13. DISCO membership of service charg 200, how mud Rs. 314 relims 2014,1 50 per piece. What was the Rs.650 clerk PO Pre If he were to 20% marked priced	(4) (2) DUNT liscount of 3 e on the dis ch money d NABARD (While sellin labelled pri lims 2015,1 buy a dozen e per cent di (Bank Of e of an artic	30% of scount id he (3) Office ng he ice of (3) PNB iscourt (3) f Indi le. Th what	9. 4. on the of ted bill give as Rs. 29 offered offered each s Rs.59 Specia les, he nt he w 12% a Banl he shop	(3) (4) original bill amount. If s service ch 26 de A Onlin d 10% disce aree? 00 list Officer would have rould get or king Office keeper chai marked prio	10. amount bu Ravi paid l arge? (4) Rs. (4) Rs. (4) Rs. (4) Rs. (5) Exam. 10 (4) Rs. (4) 8% (4) 8% (4) 8%	(1) (1) (1) (1) (1) (1) (1) (1)
6. 11. 1. 2. 3.	to pa 4,74 (1) (5) Giria price (1) (5) A m amo appl (1) (5) A di on th	(4) (4) (4) i ate In a ay 10% a 3.which Rs. 324 Rs. 272 dhar purce e and ear Rs.540 None o an buys a unt of 25 es? 32% 17% scount on the discourt	7. 12. restaurant an s service tax Included a tip (SE) chased 100 sa ned a profit co f these a single apple i0. What wou f 15% is give inted price. If 5.20	(1) (2) (2) (2) (2) (2) (3) (2) (3) (2) (3) (3) (3) (2) (3) (3) (3) (3) (2) (3) (3) (2) (3) (3) (3) (2) (3) (3) (2) (3) (3) (3) (3) (3) (3) (3) (3) (3) (3	8. 13. DISCO membership of service charg 200, how muc Rs. 314 relims 2014,P 50 per piece. What was the Rs.650 clerk PO Pre If he were to e approximate 20% marked price ing price be F Rs.1250.20	(4) (2) DUNT liscount of 3 e on the dis ch money d NABARD (While sellin labelled pri lims 2015,1 buy a dozen e per cent di (Bank Of e of an artic	30% of count id he (3) Office ng he ice of (3) PNB n app iscourt (3) f Indi le. Th what (3)	9. 4. on the of ted bill give as Rs. 29 er Grad offered each s Rs.59 Specia les, he nt he w 12% a Banl he shop is the r Rs.30	(3) (4) original bill amount. If s service ch 26 de A Onlin d 10% disce aree? 0 list Officer would have ould get or king Office keeper chai marked prio	10. amount bu Ravi paid l arge? (4) Rs. e Exam. 0 ount on the (4) Rs. rs Exam. 10 e to pay a to buying a d (4) 8% er Exam. 2 rges sales ta ce of the art (4) Rs.	(1) (1) (1) (1) (1) (1) (1) (1)



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			TOP R	ANKERS where career starts
6.	The simple Interest accrued on a p.c.p.a. What would be the simple 3 years?			
	(1) Rs.2,025 (2) (5) None of these	Rs.3,025	(3) Rs.2,250	(4) Rs.2,150
		(Oriental Bank Of Co	mmerce PO Exam. 26	5.12.2010 (1st Sitting))
7.	What total amount would Mithile scheme which offers simple inter(1)Rs.14,056(2)(5)None of these		p. a. for three years?(3) Rs.13,852	amount of 11.200 in a (4) Rs.15,064 PO Exam. 02.01.2011)
8.		of 9 p.c.p.a. for the period	od beyond 5 years. 11 h	
	(5) None of these	(Puniab & Sind Bank	PO Exam. 23.01.2011)
9.	A sum of 3200 becomes 3456 in		-	
	interest per annum? (1) 5.5% (2)		(3) 4%	(4) 4.5%
	(5) None of these	(Indian O	verseas Bank PC Onl	ine Exam. 01.09.20l1)
10.	A sum of 2200 is invested at two			
101	4 years is 202.40. What is the dif (1) 3.3% (2)			(4) 2.5%
	(5) None of these	(Indian O	verseas Bank PG Onli	ine Exam. 01.09.2013)
11.	What will be the difference between			
	years and that on a sum of 5600 a (1) Rs.75 (2)			(4) Rs.76
	(5) None of these	orporation Bank Specia	list Officer (Marketin	ng) Exam 22.02.2014)
12.	The sum Invested in scheme B is made for 3 years at 8% p.a. simpl total interest earned from both the (1) Rs. 4000 (2) (5) Rs. 4500	twice the sum invested i le interest and in Scheme	n scheme A. Investmer B for 2 years at 9% p.a	nt In scheme A is a. simple Interest. The
				liminary) 04.10.2015)
13.	The Interest earned when Rs. F is Is more than the interest earned w offering 12% p.a. simple interest, (1) 2000 (2) (5) 3000	when the same sum (Rs. F , by Rs. 360. What is the	P) Is invested for two ye	
	(5) 5000	(IB	PS Specialist Officer (IT) CWE 14.02.2016)
14.	Equal amounts are invested in tw offers Interest at the rate of 12% The difference between the intere (1) Rs. 16000 (2) (5) None of these	per annum and scheme E ests earned is Rs. 1280, V Rs. 16500	B offers interest at the ra Vhat is the amount inve (3) Rs. 17000	ate of 8% per annum.
15.	Rs. 16,000 was invested for three		•	
13.	annum and partly in scheme B at the end was Rn. 3480. How much	the rate of 8% Simple In	terest per annum. Tota	
	(1) Rs. 6,000 (2) (5) Rs. 8,000	Rs. 6,500	(3) Rs. 4,500	(4) Rs. 4,000



(SBI PO Phase—I (Preliminary) Online Exam. 21.06.2015)

16. A took a certain sum as loan from bank at a rate of 8% simple Interest per annum. A lends the same amount to B at 12% simple interest per annum. If at the end of five years, A made profit of Rs. 800 from the deal, how much was the original sum?
(1) Rs. 6,500
(2) Rs. 4,000
(3) Rs. 6,200
(4) Rs. 6,000

(5) Rs. 4,500

(SBI PO Phase-I (Preliminary) Online Exam. 27.06.2016)

					ANSWE	R KEY				
1.	((4)	2.	(3)	3.	(2)	4.	(5)	5.	(4)
6.	((1)	7.	(1)	8.	(2)	9.	(3)	10.	(2)
11.	((2)	12.	(3)	13.	(5)	14.	(1)	15.	(4)
16.	((2)								
	I			00						
۱.	The si	imple In	iterest acci		MPOUND sum of certain			in six vears	at the rate o	f 12
		-			ound interest a			-		
	years?			r ·			· r r			
	•	Rs.1,020	0	(2)	Rs.1,055	(3) Rs.1	,050	(4) Rs.1	.025
		None of			,	× ×	/	,		,
					(IBPS PO I	Prelims 2015	Bank O	f Baroda P	O Exam. 13	3.03.2011
2.	The co	ompoun	d interest	accrued of	n an amount of					- U.V
		-			the same amou					
	(1) I	Rs.5,420	0	(2)	Rs.5,360	(3) Rs.5	5,280	(4) Rs.	5,140
	(5) 1	None of	these							
				(SB	I PO Prelims	2014,United	India I	nsurance A	O Exam. 20	5.05.2013)
3.	The si	imple in			I PO Prelims					
3.		-	terest accr	rued on a s		principal is -	6500 In	eight years a	at the rate of	13 per
3.	cent p	-	terest accr What wou	rued on a s	sum of certain	principal is -	6500 In	eight years a	at the rate of	13 per
3.	cent p per ye	er year.	terest accr What wou years?	rued on a s	sum of certain	principal is -	6500 In on that p	eight years a principal at t	at the rate of	E 13 per per cent
3.	cent por ye	er year. ear in 2 g	terest accr What wou years?	rued on a s uld be the	sum of certain	principal is - erest accrued	6500 In on that p	eight years a principal at t	at the rate of he rate of 8	E 13 per per cent
3.	cent por ye	er year. ear in 2 <u>y</u> Rs.1040	terest accr What wou years?	rued on a s uld be the	sum of certain compound Inte Rs.1020	principal is - erest accrued	6500 In on that _I) Rs.1	eight years a principal at t 060	at the rate of he rate of 8 (4) Rs.	13 per per cent
3. 4.	cent pr per ye (1) I (5) I	er year. ear in 2 <u>y</u> Rs.1040 None of	terest accr What wou years?) ? these	rued on a s uld be the (2)	sum of certain compound Inte Rs.1020	principal is - erest accrued (3 lerk Prelims	6500 In on that p) Rs.1 2015,U	eight years a orincipal at t 060 CO Bank P	at the rate of he rate of 8 (4) Rs. O Exam. 30	 13 per per cent 200 0.01.2011
	cent per ye (1) I (5) I A mar	er year. ear in 2 <u>y</u> Rs.1040 None of n gets a	terest accr What wou years?) ? these simple int	rued on a s uld be the (2) erest of Rs	sum of certain compound Inte Rs.1020 (SBI c	principal is - erest accrued (3 lerk Prelims ertain principa	 5500 In on that p) Rs.1 2015,U⁽¹⁾ l at the p 	eight years a principal at t 060 CO Bank P rate of 5 p.c.	at the rate of he rate of 8 (4) Rs. ² O Exam. 3 (p.a. In 4 yea	 13 per per cent 200 0.01.2011
	cent per ye (1) I (5) I A mar	er year. ear in 2 <u>y</u> Rs.1040 None of n gets a	terest accr What wor years?) ? these simple int	rued on a s uld be the (2) erest of Rs	sum of certain compound Inte Rs.1020 (SBI c s.1,000 on a ce	principal is - erest accrued (3 lerk Prelims ertain principa	 6500 In on that p) Rs.1 2015,U^o l at the p wo year 	eight years a principal at t 060 CO Bank P rate of 5 p.c.	at the rate of he rate of 8 (4) Rs. ² O Exam. 3 (p.a. In 4 yea	 13 per per cent 200 0.01.2011 rs. What
	cent por yee (1) I (5) I A mar compose (1) I (1) I	er year. ear in 2 year. Rs.1040 None of n gets a ound int	terest accr What wou years?) f these simple int rerest will 0	rued on a s uld be the (2) erest of Rs the man g	sum of certain compound Inte Rs.1020 (SBI c s.1,000 on a ce et on twice the	principal is - erest accrued (3 lerk Prelims ertain principal e principal in t	 6500 In on that p) Rs.1 2015,U^o l at the p wo year 	eight years a principal at t 060 CO Bank P rate of 5 p.c. rs at the same	at the rate of he rate of 8 (4) Rs. ² O Exam. 3(p.a. In 4 yea e rate?	 13 per per cent 200 0.01.2011 rs. What
	cent por yee (1) I (5) I A mar compose (1) I (1) I	er year. ear in 2 y Rs.1040 None of n gets a ound int Rs.1,050	terest accr What wou years?) f these simple int rerest will 0	rued on a s uld be the (2) erest of Rs the man g (2)	sum of certain compound Inte Rs.1020 (SBI c s.1,000 on a ce et on twice the	principal is - erest accrued (3 lerk Prelims ertain principa principal in t	 6500 In on that p) Rs.1 2015,U⁽¹⁾ l at the p wo year) Rs.1 	eight years a principal at t 060 CO Bank P rate of 5 p.c. s at the same 1,025	at the rate of he rate of 8 (4) Rs. ² O Exam. 3(p.a. In 4 yea e rate? (4) Rs.	 13 per per cent 200 0.01.2011 rs. What 10,125
	cent p per ye (1) I (5) I A mar compo (1) I (5) I (5) I (5) I (5) I	er year. ear in 2 y Rs.1040 None of n gets a ound int Rs.1,050 None of	terest accr What wor years? These simple intra- terest will 0 These	rued on a s uld be the (2) erest of Rs the man g (2) (IBP	sum of certain compound Inte Rs.1020 (SBI c s.1,000 on a ce et on twice the Rs.1,005	principal is - erest accrued (3 lerk Prelims ertain principal principal in t (3 ns 2015,Punj	6500 In on that p) Rs.1 2015,U l at the p wo year) Rs.1 ab & Si	eight years a principal at t 060 CO Bank P rate of 5 p.c. rs at the same 1,025 nd Bank P (at the rate of he rate of 8 (4) Rs. ² O Exam. 3(p.a. In 4 yea e rate? (4) Rs. O Exam. 16	 13 per per cent 200 0.01.2011 rs. What 10,125 .05.20 10
1.	cent proper yee (1) I (5) I A mar composition (1) I (5) I What	er year. ear in 2 y Rs.1040 None of n gets a ound int Rs.1,050 None of would b	terest accr What wor years? These simple intra- terest will 0 These	rued on a s uld be the (2) erest of Rs the man g (2) (IBP	sum of certain compound Inte Rs.1020 (SBI c s.1,000 on a ce et on twice the Rs.1,005 PS clerk prelim	principal is - erest accrued (3 lerk Prelims ertain principal principal in t (3 ns 2015,Punj	6500 In on that p) Rs.1 2015,U l at the p wo year) Rs.1 ab & Si	eight years a principal at t 060 CO Bank P rate of 5 p.c. rs at the same 1,025 nd Bank P (at the rate of he rate of 8 (4) Rs. ² O Exam. 30 p.a. In 4 yea e rate? (4) Rs. O Exam. 16	 13 per per cent 200 0.01.2011 rs. What 10,125 .05.20 10
4.	cent proper yee (1) I (5) I A mar compose (1) I (5) I What the rat	er year. ear in 2 y Rs.1040 None of n gets a ound int Rs.1,050 None of would b	terest accr What wor years? These simple int cerest will 0 These be the com p.c.p.a.?	rued on a s uld be the (2) erest of Rs the man g (2) (IBP	sum of certain compound Inte Rs.1020 (SBI c s.1,000 on a ce et on twice the Rs.1,005 PS clerk prelim	principal is - erest accrued (3 lerk Prelims ertain principal principal in t (3 ns 2015,Punj	 6500 In on that p () Rs.1 2015,U () Rs.1 () Rs.1<td>eight years a principal at t 060 CO Bank P rate of 5 p.c. rs at the same 1,025 nd Bank P(</td><td>at the rate of he rate of 8 (4) Rs.² O Exam. 30 p.a. In 4 yea e rate? (4) Rs. O Exam. 16</td><td> 13 per per cent 200 0.01.2011 rs. What 10,125 .05.20 10 ears at </td>	eight years a principal at t 060 CO Bank P rate of 5 p.c. rs at the same 1,025 nd Bank P (at the rate of he rate of 8 (4) Rs. ² O Exam. 30 p.a. In 4 yea e rate? (4) Rs. O Exam. 16	 13 per per cent 200 0.01.2011 rs. What 10,125 .05.20 10 ears at

(SBI clerk Prelims 2014, Bank Of India Banking Officer Exam. 2401.2010)



6.	Wha	at would be the compour	ıd int	erest accrued on an ame	ount of	7,400 at the rate of	13.5 p.c.p.a. at the
	end	of two years? (rounded of	off to	two digits after decima	ıl)		
	(1)	Rs.2,136.87	(2)	Rs.2,306.81	(3)	Rs.2,032.18	(4) Rs.2,132.87
	(5)	None of these					
						(Indian Bank PG	Exam. 17.10.2010)
7.	Son	ika Invested an amount o	of Rs.	5,800 for 2 years. At w	hat rate	of compound intere	est will she get an
	amo	unt of Rs.594.5 at the en	d of	two years?			
	(1)	5 p.c.p.a.	(2)	4 p.c.p.a.	(3)	6 p.c.p.a.	(4) 8 p.c.p.a.
	(5)	None of these					
					(Cor	poration Bank PO	Exam. 09.05.2010)
8.	Wha	at will be the approximat	e dif	ference In the simple ar	nd comp	oound interest accru	ed on an amount of
	260) at the rate of 15 p.c. p.a	a. at t	he end of three years?			
	(1)	Rs.167	(2)	Rs.194	(3)	Rs.202	(4) Rs.172
	(5)	Rs.184					
				()	U nited I	Bank Of India PO	Exam. 14.11.2010)
9.	Pam	ela Invested an amount	of Rs	.35,000 for two years a	t the rat	e of 5 p.c.p.a. What	amount of
	com	pound Interest would sh	e rec	eive at the end of two y	ears?		
	(1)	Rs.3587.50	(2)	Rs.3500	(3)	Rs.3580.50	(4) Rs.3565.50
	(5)	None of these					1.191
				(P)	NB Ma	nagement Trainee	Exam. 28.11.2010)
10.	The	simple Interest accrued	on a	sum of certain principal	l Is 2,00	00 in five years at th	e rate of 4 p.c.p.a.
	Wha	at would be the compour	d Int	erest accrued on same	principa	al at same rate in two	o years?
	(1)	716	(2)	724	(3)	824	(4) 816
	(5)	None of these					
					(Cor	poration Bank PO	Exam. 16.01.2011)
11.	The	difference between the a	mou	nt of compound Interes	t and sin	mple interest accure	d on an amount of?
	260	00 at the end of 3 years I	s? 29	94.134 What Is the rate	e of inte	rest p.c.p.a.?	
	(1)	22%	(2)	17%	(3)	19%	
	(4)	Cannot be determined	(5)	None of these			
				(Punjal	o & Sind Bank PO	Exam. 23.01.2011)
12.	The	simple Interest accrued	on ar	amount of Rs.22,500 a	at the er	nd of four years Is R	s.10,800. What
	wou	ld be the compound inte	rest a	ccrued on the same am	ount at	the same rate at the	end of two years?
	(1)	Rs.14.908	(2)	Rs.5,724	(3)	Rs.26,234	(4) Rs.8,568
	(5)	None of these					
					(]	IBPS Bank PO/MT	T CWE 18.09.2011)
				A NOWED LEV			1

				ANSWI	ER KEY				
1.	(4)	2.	(3)	3.	(1)	4.	(5)	5.	(4)
6.	(4)	7.	(1)	8.	(5)	9.	(1)	10.	(1)
11.	(3)	12.	(2)						



TIME AND WORK

1.	Two pipes A and B can fill an empty tank In 18 minutes and 27 minutes respectively. There Is aleakage In the bottom of the tank, due to which 14.4 minutes more time Is taken by both the pipes infilling the tank. What time will the leak take in emptying the completely full tank?(1)16.9 minutes(2)20 minutes(3)17.9 minutes(4)18.9 minutes	
	(5) None of these (SBI PO Prelims 2015, IDBI Bank Officer Exam. 09.09.2014)	
2.	 6 women and 6 men together can complete a piece of work in 6 days. In how many days can 15 men alone complete the piece of work if 9 women alone can complete the work in 10 days? (1) 6 days (2) 5 days (3) 7.2 days (4) Cannot be determined (5) None of these (IBPS PO Prelims 2014,Punjab & Sind Bank PO Exam. 23.01.201 1) 	
3.	Two men alone or three women alone can complete a piece of work m 4 days. In how many days can 1 woman and one man together complete the same piece of work? (1) 6 days (2) $\frac{24}{5}$ days (3) $\frac{12}{1.75}$ days (4) Cannot be determined (5) None of these (SBI clerk Prelims 2015, Corporation Bank PO Exam. 16.01.2011)	
4.	Ayesha can complete a piece of work in 16 days. Amita can complete the same piece of work in 8 days. If both of them work together in how many days can they complete the same piece of work? (1) 6 days (2) 4 days (3) $5\frac{1}{3}$ days (4) 12 days (5) None of these (IBPS clerk Prelims 2015,Indian Bank Rural Marketing Officer Exam. 03.01.2010)	
5.	In a tank there are three Inlet pipes P. Q and R and one outlet pipe S. Pipe R fills the tank two times	
5.	faster than pipe P and three times faster than pipe Q. Outlet S takes 10 minutes to empty the full tank. Time taken by Inlet R to fill the empty tank is $\frac{2}{5}$ th of the time taken by S to empty the full tank. In what	
	time will the inlets P and Q together fill the empty tank? (1) $4\frac{4}{5}$ minutes (2) $4\frac{2}{5}$ minutes (3) $3\frac{4}{5}$ minutes (4) 3^4 minutes	
	(5) None of these (SBI PO Prelims 2014, IDBI Officer Grade Exam. 22.08.2014)	
6.	Four examiners can examine a certain number of answer papers in 10 days by working for 5 hours a day. For how many hours in a day would 2 examiners have to work in order to examine twice the number of answer papers In 20 days?	
	(1) 8 hours (2) $7\frac{1}{2}$ hours (3) 10 hours (4) $8\frac{1}{2}$ hours	
	(5) None of these (SBI clerk Prelims 2015,Punjab & Sind Bank PO Exam. 23.01.2011)	
7.	6 men can complete a piece of work in 12 days. 8 women can complete the same piece of work In 18 days whereas 18 children can complete the piece of work in 10 days. 4 men, 12 women and 20 children work together for 2 days. If only men were to complete the remaining work in 1 day how many men would be required totally? (1) 36 (2) 24 (3) 18 (4) Cannot be determined (5) None of these	
_	(Bank of India Banking Officer Exam. 24.01.2010)	
8.	 3 men can complete a piece of work in 6 days. 5 women can complete the same work In 18 days. In how many days will 4 men and 10 women together complete the same work? (1) 3 days (2) 5 days (3) 2 days (4) 4 days (5) None of these 	
9.	8 men can complete a piece of work In 20 days. 8 women can complete the same work In 32 days. In	
	how many days will 5 men and 8 women together complete the same work?(1) 16 days(2) 12 days(3) 14 days(4) 10 days	
	(5) None of these (Central Bank of India PO Exam. 25.07.2010)	

					TOP	RANKERS where career starts
10.	2 men can complete a piece days, whereas 3 children car worked together for 1 day. I men would be required?	n com	plete the same piece	e of work i	n 8 days. 3 w	omen and 4 children
	(1) 4(4) Cannot be determined	(2) (5) ľ	8 None of these	(3)	6	
11.	Vikas gets 350 for every day	y that	he works. If he earr			lia PO Exam. 14.11.2010) 11 days, for how many
	days did he work? (1) 25 days	(2)	30 days	(3)	24 days	(4) 28 days
	(5) None of these			(PNB Ma	nagement Ti	rainee Exam. 28.11.2010)
12.	A water tank has three taps Tap B, when opened, can fit water tank alone In 3 hours. the tank completely?	ll the	water tank alone In	6 hours and	d tap C, when	n opened, can empty the
	(1) 10 hours(5) None of these	(2)	8 hours	(3)	18 hours	(4) 12 hours
					(Indian Bar	nk PO Exam. 02.01.2011)
13.	4 girls can do a piece of wor same piece of work in 2 day efficient?					
	(1) Boys(5) Boys and Men both	(2)	Girls	(3)	Women	(4) Men
						lia PO Exam. 09.01.2001)
14.	A and B together can compl days, A and C together cart number of days taken by A when completing the same t	comp when	lete the same task in completing the sam	n 40 days. '	What is the re	espective ratio of the
	(1) 2:5 (5) 3:5	(2)	2:7	(3)	3:7	(4) 1:5
				(.	IBPS Bank P	PO/MT CWE 17.06.2012)
15.	3 men can do a work in 12 c all the men, women and chi	ldren	work together, In ho	ow many d		vork be completed?
	(1) $\frac{25}{13}$ (5) None of these	(2)	<u>24</u> 13	(3)	8	(4) 8
						da PO Exam. 14.08.2014)
16.	The part of work done by 9 and a man together. What is	•	U	•		
	(1) 5:1(5) None of these	(2)	1:5	(3)	4:1	(4) 1:4
17.	24 workers working 13 hour many days will 36 workers(1) 58 days(5) None of these		ng 18 hours daily m			
18.	Sixteen men and twelve wo in 16 days, in how many day (1) 12		-	•		-
	(5) 20	(-)	°			
10	If 26 persons are engaged a	n o ni	and of work the wor			Scale-I CWE, 06.09.2014)
19.	If 36 persons are engaged of only $\frac{3}{4}$ th of the work was continue?	-			-	
	(1) 10(5) None of these	(2)	8	(3)	9	(4) 12



(IBPS Bank PO/MT CWE-IV 18.10.2014)

- 20.12 men can finish a project in 20 days. 18 women can finish the same project In 16 days and 24
children can finish it In 18 days. 8 women and 16 children worked for 9 days and then left. In how
many days will 10 men complete the remaining project?(1) $10\frac{1}{2}$ (2) 10(3) 9(4) $11\frac{1}{2}$
 - $(5) 9\frac{1}{2}$

(IBPS RRBs Officer Scale—I & II CWE 12.09.2015)

	ANSWER KEY										
1.	(4)	2.	(5)	3.	(2)	4.	(3)	5.	(1)		
6.	(2)	7.	(1)	8.	(1)	9.	(1)	10.	(2)		
11.	(4)	12.	(4)	13.	(2)	14.	(4)	15.	(2)		
16.	(2)	17.	(2)	18.	(3)	19.	(3)	20.	(2)		

TIME AND DISTANCE

1.	A 180-metre long train cross seconds. If the speed of the (1) 80			the sp		
	(4) Cannot be determined		(5) None of these	014 4	llahahad Dank DO I	Eurom 21.02.2010)
			(SBI PO Prelims 2)	014,A	llahabad Bank PO I	Exam. 21.02.2010)
2.	A 300 metre long train mov A man crosses the same plat	tform	in 5 minutes What is the	e speed	d of man metre/secon	
	(1) 1.8 metre/second(4) Cannot be determined	(2) (5)	1.2 metre/second None of these	(3)	1.5 metre/second	TM
			(IBPS PO Prelims 201	4, <mark>B</mark> an	k Of Maharashtra 🛛	Exam. 19.12.2010.
3.	The ratio between the speed of 480 kms. in 8 hours. The will the car cover In 6 hours	speed				
	(1) 450km(4) Connet he determined	(2)	480km	(3)	360 km	
	(4) Cannot be determined	(5)	None of these (IBPS clerk Prelims 20)15,Ba	ank Of Baroda PO I	Exam. 30.05.2010)
4.	The respective ratio between 250 percent of the speed of car and jeep together?		ctor which covers 360 k			
	 (1) 60 km/hr. (3) 40 km/hr. 	(2) (4)	75 km/hr. Cannot be determined			
	(5) 40 km/m.(5) None of these	(4)	Califiot de determined			
		(SI	BI PO Prelims 2015,Ce	ntral	Bank Of India PO I	Exam. 25.07.2010)
5.	The average speed of a car i	s1 <u>4</u> tir	nes the average speed of	fa bus.	A tractor covers 575	5km in 23 hours.
	How much distance will the tractor?	car c	over In 4 hours If the spe	eed of	the bus is twice the s	speed of the
	(1) 340km(5) None of these	(2)	480km	(3)	360 km	(4) 450 km
		(IBP	S PO clerk Prelims201	5,Cor	poration Bank PO I	Exam. 16.01.2011)
6.	A car covers the first 39 km minutes. What is the average		ed of the car?		-	
	(1) 40 kmph(5) None of these	(2)	64 kmph	(3)	49 kmph	(4) 48 kmph
	(5) Trone of these	(SI	BI clerk Prelims 2014,F	Punjal	b & Sind Bank PO I	Exam. 23.01.2011)
7.	Train —A crosses a stationa The length of the train - A is (1) 360 metres					
	(4) Cannot be determined	(5)	None of these			



(IBPS clerk Prelims2015,Central Bank Of India PO Exam. 25.07.2010)

	(IBPS cierk Prelims2015, Central Bank Of India PO Exam. 25.07.2010)
8.	A 320 metre long train crosses a platform thrice Its length In 40 seconds. What Is the speed of the train In km/hour?
	(1) 120.6 (2) 115.2 (3) 108.4 (4) Cannot be determined (5) None of these
	(SBI PO Prelims 2014,United Bank Of India PO Exam. 14.11.2010)
9.	A man crosses a stationary bus In 18 seconds. The same bus crosses a pole In 4 seconds. What Is the respective ratio between the speed of the bus and the speed of the man? (1) $9:2$ (2) $9:4$ (3) $18:5$
	(4) Cannot be determined (5) None of these (IBPS clerk Prelims 2015,Syndicate Bank PO Exam. 29.08.2010
10.	The speed of a car Is 1.5 times the speed of a bus. If the car travels at the speed of 60 km/ hr., what will be the difference In the time taken by the bus and the time taken by the car to cover 720 km? (1) 5 hours (2) 6 hours (3) 4 hours (4) 8 hours (5) None of these
	(SBI Punjab National Bank Specialist Officer Exam. 24.10.2010)
11.	A bus covered a certain distance from village A to village B at the speed of 60 km/hr. However on Its return journey It got stuck in traffic and covered the same distance at the speed of 40 km/ hr. and took 2 hours more to reach Its destination. What is the distance covered between village A and B? (1) 240 km. (2) 260 km. (3) 200 km. (4) Cannot be determined (5) None of these
	(Indian Bank Rural Marketing Officer Exam. 03.01.2010
12.	A train speeds past a pole In 20 seconds and speeds past a platform 100 metres in length in 30 seconds.
	What Is the length of the train?(1) 100 metre(2) 150 metre(3) 180 metre(4) 200 metre(5) None of these
	(Indian Bank Rural Marketing Officer Exam. 03.01.2010)
13.	A 320 metre long train takes 80 seconds more to cross a platform twice its length than It takes to cross a pole at the same speed. What is the speed of the train in metre/second?
	(1) 16 (2) 10 (3) 6 (4) Cannot be determined (5) None of these (Beal Of Let's Bealing Officer From 24.01 2010)
	(Bank Of India Banking Officer Exam. 24.01.2010
14.	The respective ratio between the speed of a car, a train and a bus Is 5 : 9 : 4. The average speed of the car, the bus and the train Is 72 kmph together. What Is the average speed of the car and the train together?
	(1)82 kmph(2)78 kmph(3)84 kmph(4)Cannot be determined(5)None of these
	(Punjab & Sind Bank PO Exam. 16.05.2010)
15.	A man crosses a stationary train In 12 minutes. The same train crosses a man In 54 seconds. What Is the respective ratio between the speed of the train and the man?
	(1) 40:7 (2) 400:3 (3) 40:3 (4) Cannot be determined (5) None of these
	(Bank Of Baroda PO Exam. 30.05.2010)
16.	A bike covers a certain distance at the speed of 64 km/hr. In 8 hours. If the bike was to cover the samedistance In approximately 6 hours, at what approximate speed should the bike travel?(1)80 kmph(2)85kmph(3)90 kmph(4)75 kmph(5)70 kmph
	(PNB Management Trainee Exam. 28.11.2010)
17.	The ratio between the speed of a train and a car is 18:13 respectively. Also, a bus covered a distance of 480 kms. in 12 hours. The speed of the bus is five-ninth the speed of the train. How much distance will the car cover In 5 hours?
	 (1) 250 kms. (2) 280 kms. (3) 260 kms. (4) Cannot be determined (5) None of these
	(4) Cannot be determined (5) None of these (Bank Of Maharashtra Exam. 19.12.2010)



18.	Train A crosses a stationary train B in 35 seconds and a pole in 14 seconds with the same speed. The length of the train-A is 280 metres. What is the length of the stationary train-B?							
	 (1) 360 metres (4) Cannot be determined 	(2)	480 metres	(3)	400 metres			
				(B	ank Of Maharasht	tra Exam. 9.12.2010		
19.	A car covers a distance of 5 of the speed of the train is e		of a bike. How much dis		-			
	(1) 450km(5) None of these	(2)	360km	(3)	400 km	(4) 500 km		
			(Oriental Bank Of C	omme	rce PO Exam. 26.1	12.2010 (lit Sitting))		
20.	Train-A crosses a pole in 25 Length of train-A is half ler and Train-B?				-			
	(1) 3:2	(2)	3:4	(3)	4:3			

(1) 3:2 (2) 3:4

(4) Cannot be determined (5) None of these

(Union Bank Of India PO Exam. 09.01.2001)

ANSWER KEY									
1.	(2)	2.	(1)	3.	(1)	4.	(1)	5.	(3)
6.	(4)	7.	(1)	8.	(2)	9.	(1)	10.	(2)
11.	(1)	12.	(4)	13.	(5)	14.	(3)	15.	(3)
16.	(2)	17.	(3)	18.	(5)	19.	(3)	20.	(1)

APPROXIMATE VALUE

DIRECTIONS: What approximate value should come in the place of the question mark (?) In the following questions? (You are not expected to calculate the exact value.)

1	(SBI PO	Prelin	ns 2015, Ind	ian Bank Rural	Marketing Officer	Exam. 03.01.2010)
1.	15.5% of 323 - 20.8% of 19	98=?				
	(1) 12 (5) 9	(2)	5	(3)	15	(4) 3
2.	$30 + 27 \times 3 =?$ (1) 360 (5) 321	(2)	348	(3)	340	(4) 330
3.	$(358)^2 \times (1.75)^2 = ?$ (1) 25 (5) 50	(2)	40	(3)	30	(4) 35
4.	$\sqrt{5138} + \sqrt{36} = ?$ (1) 21 (5) 26	(2)	6	(3)	12	(4) 18
5.	$37.5 \times 34.9 + 2.75 =?$ (1) 476 (5) 486	(2)	491	(3)	464	(4) 453

DIRECTIONS: What approximate value should come In place of the question mark (?)In each of the following questions? (You are not expected to find out the exact value.)

1	I		014,Allahabad Bank PO	Exam. 21.02.2010)
6.	1548.45 + 3065.15 + 15.05		(2) 1940	(4) 1750
	(1) 1700 (5) 1950	(2) 1650	(3) 1840	(4) 1750
7.	$6\frac{2}{5}$ of 248.65 = ?of 2398.59	1	1	1
	(1) $\frac{2}{5}$	$(2)\frac{1}{4}$	$(3)\frac{1}{2}$	$(4)\frac{1}{3}$
	(5) $\frac{2}{3}$			



8.	39% of 695= 10% of? (1) 2800 (5) 2500	(2) 2400	(3) 3200	(4) 31000
9.	$6\sqrt{2} + 14.275 = ?of 196.35$ (1) $\frac{1}{3}$ (5) $\frac{1}{2}$	$(2)\frac{1}{4}$	$(3)\frac{1}{8}$	$(4)\frac{1}{5}$
10.	1524.79 ×19.92 + 495.26 = (1) 30870	? (2) 30450	(3) 30670	(D) 3100

DIRECTIONS: What approximate value should come In place of the question mark (?) in the follow- trig questions? (You are not expected to calculate the exact value.)

questio	nis. (164 are not expected to	· · · · · · · · · · · · · · · · · · ·	ims 2014,Indian Bank	PO Exam. 17.10.2010)
11.	18% of 609 + 27.5% of 450 (1) 220 (5) 274	0 =? (2) 233	(3) 267	(4) 248
12.	$\begin{array}{ll} 3942 \div 64 \div 3 =? \\ (1) & 29 \\ (5) & 11 \\ \end{array}$	(2) 32	(3) 21	(4) 17
13.	$2\frac{3}{10} \times 2\frac{6}{2} \times \frac{1}{2} = ?$ (1) 68 (5) 101	(2) 72	(3) 93	(4) 84
14.	$\begin{array}{ll} 12.564 \times 22.009 \times 17.932 \\ (1) & 4901 \\ (5) & 4350 \end{array}$	=7 (2) 4895	(3) 4800	(4) 4959
15.	$\begin{array}{rrr} 16.978 + 27.007 + 36.984 \\ (1) & 72 \\ (5) & 65 \end{array}$	-12.969-9.003 =? (2) 42	(3) 60	(4) 51

ANSWER KEY									
1.	(5)	2.	(3)	3.	(2)	4.	(3)	5.	(1)
6. (4) 7. (5) 8. (1) 9. (3) 10. (1)									
11.	(2)	12.	(3)	13.	(4)	14.	(4)	15.	(3)

PERMUTATION AND COMBINATION

DIRECTIONS: Study the given Information carefully to answer the questions that follow.

A committee of 6 teachers is to be formed out of 4 science teachers, 5 art teachers and 3 commerce teachers. In how many different ways can the committee be formed if (IBPS PO Prelims 2014,Indian Bank PO Exam. 02.01.2011)

1.	two teachers from each stream are to be included(1)210(2)180(5)None of these	uded? (3) 145	(4) 96
2.	no teacher from the commerce stream is to b(1)81(2)62(5)None of these	e Included? (3) 46	(4) 84
3.	any teacher can be Included in the committee(1)626(2)718(5)None of these	e? (3) 924	(4) 844
4.	In how many different ways can the letters o (1) 180 (2) 720 (5) None of these (IBPS clerk Prelims 2015,Corporation	(3) 30	(4) 90 ng) Exam. 22.02.2014)



A committee of five members is to be formed out of 4 students, 3 teachers and 2 sports coaches. In how many ways can the committee be formed If -(SBI PO Prelims 2014, United Bank Of India PO Exam. 14.11.2010) 5. The Committee should consist of 2 students, 2 teachers and 1 ' sports coach? (1) 25 (2) 64 (3) (4) 369 (5) None of these 6. Any five people can be selected? (1) 126 (2) 45 (3) 120 (4) 24 (5) None of these 7. In how many different ways can the letters of the word 'CYCLE' be arranged? (2) 240 (3) 30 (4) 80(1)120 None of these (5) (IBPS clerk Prelims 2015, PNB Management Trainee Exam. 28.11.2010) 8. In how many different ways can the letters of the word ATTEND be arranged? (4) 80 (1)60 (2) 120 (3) 240 None of these (5) (SBI clerk Prelims 2014, Allahabad Bank PQ Exam. 21.02.2010) 9. In how many different ways can the letters of the word BANKING' be arranged? 5040 (2) 2540 (3) 5080 (4) 2520 (1)(5) None of these (IBPS clerk Prelims 2014, Corporation Bank PO Exam. 09.05.2010) In how many different ways can the letters of the word PEANUT be arranged? 10. (1)720 (2) 360 (3) 650 (4) 700(5)None of these (SBI clerk Prelims 2015, Punjab National Bank Specialist Officer Exam. 24.10.2010) In how many different ways can the letters of the word 'AWARE' be arranged? 11. (1)150 (2) 120 (4) 60 (3) 40 (5) None of these (Indian Bank Rural Marketing Officer Exam. 03.01.2010) 12. In how many different ways can the letters of the word 'OFFICES' be arranged? 2520 (2) 5040 (4) 1680 (1)(3) 1850 (5) None of these (Indian Bank PO Exam. 17.10.2010) In how many different ways can the letters of the word 'TRUST' be arranged? 13. (2) 240 (3) 120 (4) 25 (1)60 None of these (5) (Bank Of India Banking Officer Exam. 24.01.2010) 14. In how many different ways can the letters of the word LEASE be arranged? (4) 60(1) 240 (2) 120 (3) 25 (5) None of these (United Bank Of India PO Exam. 14.11.2010) 15. In how many ways the letters of the word VISITING can be rearranged? (1)6720 (2) 5720 (3) 720 (4) 7620 (5) None of these (IBPS Specialist Officer CWE 17.03.2013) 16. In how many different ways can the letters of the word REPLACE be arranged? 2630 (2) 5040 (3) 1680 (4) 2580 (1)(5) None of these (IBPS RRB's Office Assistant CWE Exam. 09.09.2012) In how many ways the letters of the word SACRED can be arranged so that vowels come together? 17. (4) 720 (1)240 (2)120 (3)320

DIRECTIONS: Study the following Information carefully to answer the questions that follow



(5) None of these

(Indian Overseas Bank PO Online Exam. 01.09.2013)

	- 1	T	1		ER KEY	-1				
1.	(2)	2.	(4)	3.	(3)		4.	(1)	5.	(4)
6.	(1)	7.	(5)	8.	(5)		9.	(4)	10.	(1)
11.	(4)	12.	(1)	13.	(1)	1	4.	(4)	15.	(1)
16.	(5)	17.	(5)							
				PROBA on carefully t 3 yellow mar	bles.	he que			VE Exam. 8	3.09.201
	(1) $\frac{26}{93}$	oles are draw	n at rando (2)	m. what is the $\frac{2}{7}$	e probabili	ty that (3)	both at $\frac{199}{366}$	re red or at	least one is (4) $\frac{135}{193}$	red?
	(1) $\frac{1}{5}$	rbles are drav	wn at rand (2)	om, what Is the $\frac{199}{364}$	he probabi		at at lea $\frac{135}{324}$	st one Is ye	ellow? (4) $\frac{5}{9}$	
	each colour			om, what Is t	he probabi	-		are equal 1		
	(1) $\frac{3}{8}$ (5) None	of these	(2)	351 738		(3)	<u>60</u> 1001		(4) $\frac{1}{1012}$	
	If three man	rbles are dray	vn at rand	om, what is th	he probabi	lity that	t none	is green?		
	(1) $\frac{3}{8}$	of these		273 748	ie procuei	(3)		is green.	(4) $\frac{41}{91}$	
	If four mar	hles are drau	n at rando	m, what is th	e probabili	ity that	two ar	e blue and	two are red	7
	(1) $\frac{10}{1001}$	of these	(2)			(3)	<u>15</u> 384		$(4) \frac{3}{5}$	
DIRECT	FIONS: Re	ad the follow	ving Inform	nation to answ	wer these q	uestio	ns.			
here are		hite and 4 bla I PO Prelim		n an urn. O rporation B	ank Speci	alist O)fficer ((Marketin	g) Exam 22	.02.201
	Two balls a (1) $\frac{18}{95}$ (5) $\frac{5}{19}$	ure drawn at i	random fro (2)	$\frac{9}{95}$	/hat will b	e the p (3)	-	ity that bot	h the balls a (4) $\frac{8}{95}$	re red?
		are selected	at random	what is the p	orobability	that or	ne ball	is white an	d the other	ball is
	$\begin{array}{ccc} (1) & \frac{91}{95} \\ (5) & \frac{71}{190} \end{array}$		(2)	<u>63</u> 190		(3)	$\frac{5}{19}$		$(4) \frac{4}{95}$	

A basket contains 4 red, 5 blue and 3 green marbles.

(SBI Associates Bank Pc Exam. 07.03.2010)

- 8.
- If three marbles are picked at random, what is the probability that either all are green or all are red? (1) $\frac{7}{44}$ (2) $\frac{7}{12}$ (3) $\frac{5}{12}$ (4) $\frac{1}{44}$ (5) Normalized at random, what is the probability that either all are green or all are red? (5) None of these



9.	If two marbles are picked a		-	
	(1) $\frac{3}{7}$ (5) None of these	(2) $\frac{1}{2}$	(3) $\frac{2}{11}$	$(4)\frac{1}{6}$
10.	If three marbles are picked	at random what Is the pro	hability that at least one	Is blue?
10.	(1) $\frac{7}{12}$	(2) $\frac{37}{44}$	$(3) \frac{5}{12}$	(4) $\frac{7}{44}$
	(5) 12 None of these	44	12	44
11.	A basket contains three blue what is the probability that			
	(1) 1	(2) $\frac{1}{7}$	(3) $\frac{3}{14}$	$(4) \frac{^{3}}{^{28}}$
	(5) None of these	(Bar	nk Of India Banking Of	ficer Exam. 24.01.2010)
12.	A bag contains 13 white an			
12.	they are of the same colour		are drawn at fandom. w	
	(1) $\frac{41}{190}$	(2) $\frac{21}{190}$	$(3) \frac{59}{190}$	$(4) \frac{99}{190}$
	(5) $\frac{77}{190}$	170	170	170
			(IBPS Bank P	O/MT CWE 17.06.2012)
13.	From a well-shuffled pack that the card drawn will be	a black king?	_	
	(1) $\frac{1}{26}$ (5) $\frac{1}{13}$	(2) $\frac{7}{13}$	(3) $\frac{3}{13}$	$(4) \frac{9}{13}$
	(5) $\frac{1}{13}$			
			_	Officer OWE 17.03.2013)
14.	A bag contains 3 red balls, what is the probability that	it is either pink or red?		
	(1) $\frac{1}{3}$	(2) $\frac{2}{3}$	(3) $\frac{1}{4}$	$(4)^{\frac{2}{5}}$
	(5) None of these	(IRPS R	ank PO/MT OWE-V (I	Preliminary) 03.10.2015)
15.	A bag contains 5 red balls, bag, one after another, wha	7 yellow balls and 3 pink	balls. If two balls are dra	wn at random from the
	(1) $\frac{5}{12}$	(2) $\frac{3}{8}$	(3) $\frac{1}{4}$	$(4)\frac{1}{8}$
	(1) $\frac{5}{12}$ (5) $\frac{1}{13}$	0	4	0
	15	(IBPS B	ank PO/MT OWE-V (I	Preliminary) 04.10.2015)
16.	There are 6 red balls, 5 yell probability that none of the		ur?	at random. What is the
	(1) $\frac{8}{13}$	(2) $\frac{7}{13}$	(3) $\frac{6}{13}$	$(4) \frac{5}{13}$
	(1) $\frac{8}{13}$ (5) $\frac{4}{13}$			
		(IBPS Bank PO/M	T OWE-V (Preliminary	y) 10.10.2015 1st Sitting)
17.	A bag contains 4 red, 5 yell probability that none of the	balls drawn are yellow in	colour?	
	(1) $\frac{1}{7}$ (5) $\frac{9}{14}$	(2) $\frac{3}{7}$	(3) $\frac{2}{7}$	$(4) \frac{5}{14}$
	(5) $\frac{9}{14}$			
		(IBPS B	ank PO/MT OWE-V (I	Preliminary) 10.10.2015)
18.	A bag contains 6 black and ball drawn is white?			
	(1) $\frac{3}{4}$ (5) $\frac{1}{4}$	(2) $\frac{4}{7}$	(3) $\frac{1}{8}$	$(4)\frac{3}{7}$
	(5) $\frac{1}{4}$	(IBPS	Bank PO/MT OWE-V	Main Exam. 31.10.2015)
		(



19.	What is the probability that a n each of the given numbers is ec (1) $\frac{-9}{30}$ (2) (5) $\frac{21}{10}$	jually likely to be selected		2, 330, is prim	e number, when (4) $\frac{T1}{30}$
	30		_ ~ ~		
		(IBPS Bank	PO/M	IT OWE—V Main	Exam. 31.10.2015)
20.	Out of $\overline{5}$ girls and 3 boys, 4 chi probability that all are girls?	ldren are to be randomly so	electe	d for a quiz contest.	What is the
	1	2) 1 7	(3)	5 17	(4) ² ₁₇
DIREC	CTIONS: Study the given inform	- ation carefully and answer	r the q	uestions that follow:	

An urn contains 6 red, 4 blue, 2 green and 3 yellow marbles.

(SBI & Rural Business PC Exam. 18.04.2010)

If fo	If four marbles are picked at random, what Is the probability that at least one is blue?								
(1)	$\frac{4}{15}$	(2)	<u>69</u> 91	(3)	<u>11</u> 15	(4) $\frac{22}{91}$			
(5)	None of these				10				

22. If two marbles are picked at random, what is the probability that both are red?

(1)	$\frac{1}{6}$	(2) $\frac{1}{3}$	(3) $\frac{2}{15}$	$(4)^{2} \frac{1}{5}$
(5)	None of these			

ANSWER KEY										
1.	(5)	2.	(2)	3.	(3)	4.	(3)	5.	(1)	
6.	(1)	7.	(2)	8.	(4)	9.	(5)	10.	(2)	
11.	(2)	12.	(4)	13.	(1)	14.	(2)	15.	(5)	
16.	(5)	17.	(2)	18.	(2)	19.	(3)	20.	(1)	
21.	(2)	22.	(5)							
			land, here							

EQUATIONS AND INEQUATIONS

DIRECTIONS: In the following questions two equations numbered I and II are given. You have to solve both the equations and (1) If x > y (2) If $x \ge y$ (3) If x < y (4) if $x \le y$

(1) If x > y (2) If $x \ge y$ (5) If x = y or the relationship cannot be established.

(SBI PO Prelims 2015, Indian Bank PO Exam. 17.10.2010)

1.

21.

I.	$2x^2 + 11x + 14 = 0$
II.	$4y^2 + 12y + 9 = 0$

- 2. I. $x^2 4 = 0$ II. $y^2 + 6y + 9 = 0$
- 3. I. $x^2 7x + 12 = 0$ II. $y^2 \div y - 12 = 0$

4. I. $x^2 = 729$ II. $y=\sqrt{729}$

5. I.
$$x^{4}-227 = 398$$

II. $y^{2}+321 = 346$

DIRECTIONS: In the following questions two equations numbered I and II are given. You have to solve both the equations and

(1) If x> y	(2) if $x \ge y$	(3) If x< y	(4) If $x \le y$
(5) If $x = y$ or the relations	ship cannot be established.		
•	(IBPS PO Prelims	2015,Punjab & Sind Ba	nk P0 Exam. 16.05.2010)

6. I. $x^2-x-12 = 0$ II. $y^2-5y+6 = 0$



- 7. I. $x^2-8x+15 = 0$ II. $y^2-3y+2 = 0$
- 8. I. $x^2 32 = 112$
- 9. II. $y \sqrt{169} = 0$ I. $x - \sqrt{121} = 0$
- 9. I. $x \sqrt{121} = 0$ II. $y^2 - 16 = 0$
- 10. I. $x^2-16 = 0$ II. $y^2-9y + 20 = 0$

				ANSW	ER KEY					
1.	(3)	2.	(1)	3.	(2)	4		(4)	5.	(5)
6.	(2)	7.	(1)	8.	(3)	9).	(2)	10.	(4)
1.	• •		larger circl (2) (5)	le and the sm	and 220 me naller circle etre sse	etres res e? (3)	3244 sq.	metre		
2.			larger circl (2)	le and the sm 1076 sq. me one ofthese	naller circle etres	e? (3) 10	078 sq. m	ietres	t is the diffe O Exam. 1'	TM
3.	of the larger circumferen (1) 12π ci	circle. The ce of the sm	radius of t	e? 16π cm	ircle is thre	e-sever (3)	oth that of 24π cm	the larg		What is the ccm
4.	There are two of the larger circumferen (1) 12π cm (5) None of	circle. The ce of the sm	radius of t		ircle is thre	e-sever	th that of 24π cm	the larg	ger circle. V (4) 32 π	What is the
5.	What is the metres? (1) 176 sq (5) None of		(2)	radius is equ 2504 sq. m. BPS PO Prel		(3)	284 sq. r	n.	(4) 195	6 sq. m.
6.	The circumf length of the rectangle? (1) 734 cr	e rectangle is	semicircle	of area 1925	5 sq. cm is	equal to e of sid	o the brea	dth of a	rectangle. I	f the

(1) 734 cm (2) 754 cm (3) 745 cm (4) Cannot be determined (5) None of these

(SBI PO Prelims 2014,UCO Bank PO Exam. 30.01.2011)

- 7. The perimeter of a square is equal to twice the perimeter of a rectangle of length 8 cms. and breadth 7 cms. What Is the circumference of a semicircle whose diameter is equal to the side of the square? (Rounded off to the two decimal places)
 (1) 38.57 cms.
 (2) 23.57 cms.
 (3) 42.46 cms.
 (4) 47.47 cms.
 - (5) None of these

(SBI clerk Prelims 2015, Punjab & Bind Bank PO Exam. 18.05.2010)



8.	What would be the cost of building a fence around a circular field with area equal to 32378.5 sq. metres, if the price per metre for building the fence was 154?								
	(1) (5)	Rs. 84,683 None of these	(2)	Rs.86,495	(3)	Rs.79,326	(4) Rs.98,252		
				(B a	ank Of Indi	a Banking Offic	er Exam. 24.06.2010)		
9.		perimeter of a square is What is the area of the s		1	a rectangle.	The area of the r	cectangle is 240 sq.		
	(1) (4)	100 sq. cm. Cannot be determined	(2) (5)	36 sq. cm. None of these	(3)	81 sq. cm.			
					(Punjab	& Bind Bank F	PO Exam. 18.05.2010)		
10.		total area of a circle and e sum of the circumferen 360cm Cannot be determined	nce of (2)		perimeter of (3)	f the square? 270 cm			
							PO Exam. 30.05.2010)		
11.	The area of a square is 1024 sq. cm. What is the respective ratio between the length and the breadth of a rectangle whose length Is twice the side of the square and breadth is 12 cm. less than the side of the square?								
	(1) (5)	5:18 None of these	(2)	16:7	(3)	14:5	(4) 32:5		
					(Central H	Bank Of India P	O Exam. 25.07.20 10)		
12.	of th	cost of building a fence e circular field?	arour		s 7,700 at th	-	oot. What Is the area		
	(1) (4)	24062.5 sq.ft. Cannot be determined	(2) (5)	23864.4 sq.ft. None of these	(3)	24644.5 sq.ft.	TM		
					(United]	Bank Of India F	PO Exam. 14.11.2010)		
13.		it would be the cost of b er foot?	uildin	ig a fence around a	square plot	with area 462.25	sq. ft. at the rate of '		
	· /	2,924 Cannot be determined	(2) (5)	2,682 None of these	(3)	2.846			
						(Indian Bank F	PO Exam. 02.01.2011)		
14.		length of a rectangle Is t area of a square of side 2 24cm Cannot be determined	2, cm (2)		(3)	ctangle If its peri 52cm			

	ANSWER KEY									
1.	(5)	2.	(3)	3.	(3)	4.	(3)	5.	(5)	
6.	(5)	7.	(1)	8.	(4)	9.	(4)	10.	(2)	
11.	(5)	12.	(1)	13.	(1)	14.	(2)			

