				, р.	200 4 -60
BC - 401 / XBI - 401 / XE	3S – 401/ MBH – 40	05 / PBH - 404 / BE	3A – 406 / BOV – 4	05 / BCH – 407 / ES	age 1 of 8 E – 401
Roll No					
. *	End Semeste	er (Even) Examii	nation, June 202	4	
Course: BCA / B.Sc (Accounting and Fina	IT) / B.Sc (CS) / E nce / B.Com (H) /	3.Sc (H) Maths / / BA (H) English	B.Sc (H) Physics	s / BBA / B.Voc in	
Subject: Career Skills	5		,	Seme	ester - 4 th
Time: 3:00 Hours					MM: 100
 This question paper Each question carrie It is compulsory to v Use of calculator is There is no negative 	es equal marks. vrite the SET on th not allowed.	ne OMR.	estions.		
Q1. If a ; b is 3 ; 4 and a. 15:20:24	b : c is 5 : 6, find b. 15:18:24	the ratio a : b : c. c. 5:4:8	d. None	of these	
Q2. The income of A, income of A is increase their new incomes. a. 7:8:9 b. 6:7:	ed by 40%, 20% i	ncreased for B _. ar	heir incomes are nd 20% decrease d. 21:24:28	changed such that d for C. Find the ne	t the new ew ratio of
Q3. A man has 10p, 2 find the number of 25p a. 140	5p and 50p coins coins with him? b. 135	in the ratio of 5:		If the total money	is Rs.120,
Q4. The ratio of the m saves Rs.800, then the a.1,000 b. 2,4	e expense of B is:	A and B is 7:6 ar : _c. 1,800	d the ratio of the	ir expenditure is 11	:9. If each
Q5. The speeds of P, them for the same distant a. 5:3:2 b. 3:2	ance?	e ratio of 6:4:12, . c. 1:2:4	what is the ratio	of time taken by e	ach one of
Q6. The price of a bike be the effect on the to a. 12% Loss	tal revenue of the		of which the sale	e increased by 40%	. What will
Q7. The sum of prese Find the present age of a. 15 Q8. The length and be rectangle exceeds the a. 50% b. 65%	of the son b. 20 readth of a rectar area of the origin c. 56%	c. 25 ngle are increase nal rectangle by: 6 d. 156	ed by 20% and 3 %	d. 30 0%. The area of th	ne resulting
Q9. In an examination 60% more than D. If A a. 160	, full mark is 500, got 420, find the b. 150	, A gets 25% mo marks scored by c. 180	re than B, B gets / D. d. 230	40% more than C	and C gets
Q10. Find the digit at t	the unit's place 43 b. 4	3 ¹²⁶⁰ x 38 ⁴⁹² . c. 8		d. 6	

Q11. S is the smallest 3 digit number which gives remainders of 3 and 1 when divided by 6 and 7 respectively. Find the sum of the digits of S?
a. 5 b. 6 c. 7 d. 8

SEI-A	406 / BOV - 405 / BCH - 407 / ESE - 401
SET - A BC - 401 / XBI - 401 / XBS - 401/ MBH - 405 / PBH - 404 / BBA	_ 400 / BOV

	0.11	toolf in 4 years	s at compound interest. In how many
years will it become ou	h o	c. 12	d. 10
,	ed a product from a shor bunt of 5%. Find the over b. 20 profit	o for Rs. 3200, m all percentage p c. 5 loss	narked up the price by 15% and sold it rofit or loss? d. 9.25 profit
2 16/15	I the ratio (7a – 4b) : (3a b. 5/13 c5/13	•	d16/15
	rated by a certain distanted 20 meters more than edistance that originally b. 40		towards each other. When they meet ratio of the distances that each has
Q16. Divide 2220 in the a. 900, 720, 600 b. 600, 720, 900 c. 592, 740, 888 d. 888, 740, 592			
ages will be in the ratio a, 7:6	b. 8 : 7 c. 9 : 10	0	· · · · · · · · · · · · · · · · · · ·
is divided between A ar a. 2800	id B in the ratio 2 : 3. Wh	c. 1800 iness in the ration Inat was the ration	5 5 : 7 : 8. They had partnered for 14
Q20. y varies directly a a. 9/32 b. 3 /4	s the square of x. When c. 16 /3	x = 4, y = 2. Wha d. 128 /9	at is the value of y when $x = 3/2$?
Q21. The income of A a his income, what is the a. 24:25		nd their expendit c. 24:29	ure is in the ratio 3:4. If A saves 2/3 of d. None of these
			nore students in the class, with 7 boys of students in the class? d. 145
Q23. Rohit scored 50% 10% more than what he exam.	of the maximum marks e scored, he would have j	in an exam and just got passing r	yet failed by 12 marks. Had he scored marks. Find the maximum marks of the
a. 240	b. 300	c. 250	d. None of these
Q24. When 1 kg of go gms. Find the percenta a. 11.11%	ods is kept on an electronge error in the measurer b. 5.55 %	onic weighing sca nent. c. 5 %	ale, the scale shows a reading of 950 d. 5.26 %
Q25. To pass an exam than the passing marks a. 44 %	n of 250 marks, a candid s. Find the percent of ma b. 50 %	ate should obtain rks scored by Ra c. 54 %	n 40 % marks. Raj scores 10 % more

d. 60 %

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Q26. A milk man	mixes water equal to 20) % of the milk he has. W	ater now accounts for what per	Cellage
of the mixture? a. 16.66 %	b. 20 %	c. 25 %	d. 22,22 %	
decrease to mair a. 8.33%	ntain the area of the red o. 9.09% c. 10%	d. Depends on actual le		
10%. Find the pera. 10.2%	ercentage change in the b. 10%	c. 9.09%	o let his expenditures increas d. 8.33%	
mindedly decrea compared to what a. 25% I Q30. Since the mangoes less in a. Rs. 1.5	ased the prices by 12 at should have been the b. 22.22% prices of mangoes in his budget of Rs 864. b. Rs. 2.5	e price tag. c. 6.25% creased by 6.66%, the What is the increased pr	, d. N3. 3.2	chase 18
Q31. If the price number of viewe a. 5% b. 6.66%	rs increase so as to ea	arn as much as that eath	by 6.25%, by what percent seed before the decrease in prince on actual price	should the ce?
a. 143	of 144 + 37.5% of 72 b. 133	c. 153	d. None of these	* = Ç.
rest. Find his sav a. 30 %:	vings as a percentage b. 33.33 %	c. 37.5 %	I, 10 % on entertainment and d. 42.85 %	
Q34. Anand has % of all the gam games that he had games and yet ra. 0	nes he has to play in t as to play, what is the n	es he has played so far the tournament. If he ha naximum number of gam c. 2	in the tournament. His goal in as already played 15 out of t nes he can afford to lose in the d. 3	s to win 90 he total 50 e remaining
a. 25 %	b. 27.27 %	the selling price, find th c. 20 %	G. 661,95 ,77	
Q36. An article	sold at Rs. 423 results	in a loss of 10 %. What	should be the selling price to	o result in a
profit of 10 %? a. Rs. 443	b. Rs. 500	c. Rs. 507.6	d. Rs. 517	
profit of 12.5%. of 6.66%. If the	The dealer sells to a re cost of manufacturing	esaler at a profit of 20% stailer at a profit of 10% stailer at a profit of 10% stailer man	 The wholesaler sells to the and the retailer to the custom ufacturer was Rs. 625, find th 	dealer at a er at a profit e price paid
u . u u	b. 1000	c. 900 d. 85		
Q38. By selling Find the profit of a. 22.22%	12 articles, Naveen n r loss percentage. b. 33.33 %	nanaged to make a pro c. 20%	fit equal to the selling price of d. 30%	of 3 articles.
O39 A person b		pee. How many should	he sell in a rupee so that he	earns a profit
of 20%.	b. 8	c. 9	d. 10	

		405 / DCU - 407 / ESE - 40
		404 / MBH - 405 / PBH - 404 / BBA - 406 / BOV - 405 / BCH - 407 / ESE - 40
404 / VDI	ANA I VDC	404/MPH - 405/PBH - 404/DBA - 400/DO

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Q40. Articles were bo	ught at the rate o	of 6 for Rs. 5 a	nd sold at	the rate of 5	for Rs. 6. I	Find the pr	ofit
percentage. a. 44% b. 44	44%	c. 45.45%		d. 40%		•	
Q41. A shop-keeper s at a loss of 10%, find a. Rs 19.58 loss	ells two articles, e the amount of pro b. Rs 39.16 los	III UI 1055.		old one at a pr d. Rs 40 loss		and the of	:her
Q42. A 25% discount a. Rs 99	offer results into a b. Rs 100	saving of Rs. c. Rs	37. Find th 101	ne selling price d. R	e of the arti s 111	cle.	
Q43. A scheme of 1 so is the effective discou	nt that the scheme b. 37.5%	e offers ? c. 25	%	d. 20%			•
Q44. What should be discount of 10% a. 20% b. 18.		c. 22.22%		s to make a p	orofit of 10	% inspite	of a
Q45. A shop-keeper, of 20%. Find his actual a. 8% b. 100	al profit percentag	e.	900 gms fo		sells goods	s at a marl	c-up
Q46. A milk-man sells mixture. If he sells at a. 30% b. 32	a mark-up rate of	water to it to s 10%, find his a 3%	such a extenctual profi d. 37.5	t percentage.	accounts	for 20% of	the
Q47. At a certain rate years will the principa a. 45 years	I amount become	nine times?	•			In how m	any
Q48. The population of what was its population a. 12,60,000 b. 13,	n in 2004?	a rate of 5% p		If in 2006 its	population	is 18,52,2	200,
	owing two schem of interest 6% con nterest 5% compo	mpounded ann	ually.	a depositor wi	th a two ye	ar investn	nent
a. (i) b. (ii)	•	are same		ends on princ	ipal amour	nt.	
Q50. The compound	nterest earned in	the 3rd and 4	th year is	Rs. 450 and	Rs. 500. F	ind the rat	te of
interest. a. 9.09%	b. 10%	c. 11.11%		d. 12.5%			
Q51. If the rate of coryear and that earned in a. 8:9 b. 9:	n the 25th year.		ne ratio of d. 192		terest earr	ied in the	24th
Q52. The difference between the compound interest and simple interest on a certain sum at 10% per annum for 2 years is Rs. 631. Find the sum. a. Rs 6,310 b. Rs 63,100 c. Rs 6,31,000 c. Rs 63,10,000 Q53. I kept Rs. 20,000 at 5% rate of simple interest for two years. Find the difference in interest earned if I had kept the same amount for same years at same rate but at compound interest.							

c. Rs 20

d. Rs 50

b. Rs 54

a. Rs 23.

a. 80 mts

	SEI-A					
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	0.7.			2V - 400 / BOA ~	405 / BCH - 407 / ESE - 401	1
	Q54. A certain strain o times?	f coronavirus triples itself	in every	15 minutes. Afte	r how much time will it has	720
			C 150 b	nina		
	930. Find the Principal	etween SI and CI for 1.5 y amount. b. 3.00 000	years at 2	0% per annum c	compounded half-yearly is	Rs.
		-1-01000	C. 20.00)O		
	a. 10.5 b. 10.2	e annual rate of 10 percer 25 c. 11.2	nt per ann !5	um compounde d. 11.50	d half-yearly.	
	Q57. I bought an Astra Rs. 9,10,910, at what on a. 10,91,910 b. 10,9	two years back. Its value cost had I bought it? 9,190 c. 10,0		ated by 9% every	/ year. If at present its valu	e is
	Q58. I cover a total of 3 For what time was I tra a. 2 hrs	300 km in 8 hours, partly a eveling at a speed of 30 k b. 3 hrs	at a speed mph?	of 30 kmph and		nph.
	Q59. Find the ratio of trespectively.	he time taken to cover tw	c. 4 hrs vo distanc d. 4 · 3	es in the ratio 4	' 5 at appede in the corr	4 : 3
	Q60. Over a certain di time taken be? a. 11% b. 10%	stance, if the speed had	been 10%	% more, by how d. 8.88%	much percent less would	I the
	Q61. At its usual speed to 35 kmph, it takes 15 a. 50 km	of 40 kmph, the bus cover more minutes than sche b. 60 km		rney on schedul e. Find the dista	e. But when its speed red ance of the journey. d. 75 km	uces
	Q62. A thief escapes frethe escape at 3:30 pm the thief? a. 8:00 pm	om a prison at 2 pm and and start the chase then	at a speet	u oi 40 kiliph. Ai	of 30 kmph. The police re what time will the police o	alize catch
	:	b. 8:30 pm	c. 7:30	pm	d. 9:00 pm	
•	Q63. A train running at a. 200 m	72 kmph crosses a telep b. 140 m	ohone pol c. 400 r	e in 7 sec. Wha n	t is the length of the train? d. None of these	?
	Q64. A train crosses 2 What is the length of th	platforms of length 400 in train?	m and 60	0 m in 6 second	ds and 8 seconds respect	ively.
	a. 200 m Q65. Two trains, each	b. 300 m 100 meters long take 6 ds to cross each other	c. 500 r 0 second when trav	s to cross each	d. 100 m other if traveling in the st te direction. Find the spe	same ed of
	a. 30 kmph	b. 35 kmph	c. 42 kr	mph	d. 50 kmph	
	Q66. A train traveling at in 18 seconds. What is a. 100 b. 125	t 72 kmph crosses a plat the length of the platforr c. 180	form in 30 m in mete d. 240	seconds and a	a man standing on the pla	atform
	Q67. Two trains are trav	veling in the same direct	ion at 50	kmph and 30 kr	mph. The faster train cros	sses a

Q68. The speed of a motor boat itself is 20 km/h and the rate of flow of the river is 4 km/h. Going downstream, the boat went 120 km. What distance will the boat cover during the same time going upstream?

a. 40 km

b. 50 km

c. 60 km

d. 80 km

c. 120 mts

d. 125 mts

man sitting in the slower train in 18 seconds. Find the length of the faster train.

b. 100 mts

BC - 401 / XBI -	401 / XRS -	404/ MBH -	405 / DRH .	404 / BBA	- 406 / BOV -	405 / BCH -	407 / ESE	= -401
	40 I / ADS -	401/ WBH -	4U5/PBH •	· 404 / BBA •	- 4Un / DUV -	403/6011-	701 / 20-	

for the entire journey. Fir	lown the river for 14 k nd the speed of the riv b. 1.5 kmph	m and then up the ver flow if the spee c. 2 kmph	e river for 9 km. It took a to ed of the boat in still water d. 2.5 kmph	otal of 5 hours is 5 kmph.
Q70. A boat takes a tota If speed of the boat is 3 a. 1 hr b. 2 hr	l of 6 hours to row 8 kmph, for how much to. 3 hr	kms downstream time was the boat d. 4 hr	and to return back to the moving downstream?	starting point.
Q71. A car travels the first the distance with a spec speed of the car for the	ed of 20 kmph and th	in distance with a she last one-third o	speed of 10 kmph, the ne listance at 60 kmph. Find	xt one-third of d the average
	b. 20 kmph	c. 25 kmph	d. 30 kmph	·
	al distances at a spee b. 45 kmph	ed of 30 kmph and c. 50 kmph	60 kmph. Find his averag d. data inadequ	ge speed. uate
Q73. A tank, which usua time in which the leak ca a. 30hrs	ally takes 5 hours to land empty the tank if it b. 27.5hrs	be filled, takes 6 h is filled and the in c. 25hrs	nours to fill because of a let pipe is shut. d. 22.5hrs	leak. Find the
all the taps are opened	simultaneously. After	2 hours tap C is o	s, 20 hrs and 25 hrs respectored and after further 2 ed. What fraction of the ta	hours tap B is
a. 2/11 . b. 9/11	c. 18 /25	d. 7 /2	25	
Q75. A and B can comp working simultaneously over, B leaves. Find the a. 24	on the work simulta	neously, but 4 day	ays and 40 days respectivelys before the work is solution to be completed. d. 28.2	rely. Both start neduled to get
		omplete the work	s to complete a work as ownile working together? d. 6.5	compared to B.
	ays and A and C work	king together can t	her. B and C working toge finish the work in 15 days r? d. 4	
Q78. If 4 boys or 3 mer and 3 boys to finish the a. 4.8 days		ce of work in 10 da	ays how many days will it	
• .			d. None of the	
Q79. 20 Men can do a work in 50 days?	b. 15 c. 8		men are needed to com	plete the same
Q80. A is twice as goodays can B alone compa.9	od as B, if together the plete the same work? b. 12	ney can complete	a piece of work in 4 day	s. In how many
			d. 18	
Q81. Tap A can fill a ta tank is already full and a. Filled in 8 minutes c. Filled in 12 minutes	nk in 12 minutes and both A & B are open	ed. the tank will be b. Emptied ir		3 minutes. If the

a. 2

b. 3

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:	days. After 5 days,	nged for a camp and mad few more members joine embers joined the group i b. 25	d because of which the fo	e consumed by 150 people in 25 pood finished in a total time of 20 d. None of These
	Q83. If 8 Men can d time taken by 8 Mer a. 5 days	o a work in 12 days and and 12 Women to do the b. 4.8 days	12 Women can do the sa work together? c. 2.4 days	me work in 8 days, find the total d. 7.2 days
	OSA If 6 Men and 1	1 woman ann da a lab is	•	•
	the same job?	women can do a job in	12 days, in how many day	ys can 9 men and 21 Women do
•	a. 10 days	b. 8 days	c. 15 days	d. 9 days
ti w a	a. 15 days Q86. A alone can do nat A and B work on	b. 24 days a work in 12 days. B in	reat as the first one? c. 27 days 16 days and C in 20 day ork on the 2nd day A and	
00	87. A, B and C can 0,000. What will be t 6000	do a work in 12,15 and he difference in the share b. 10000	20 days respectively. Thes of A and C? c. 9000 d. 500	ney undertook a project for Rs.
~ Q(a.	88. The largest 4 dig 9944	git number exactly divisib b. 9768	le by 88 is: c. 9988 d. 888	
Q8 Wil	39. If the number 48 I be:	1*673 is completely divis	sible by 9, then the smal	lest whole number in place of *
a.	2	b. 5	c. 6	d. 7
Q9 a. 8	0. How many natur 8	al numbers are there bet b. 11	ween 23 and 100 which c. 12	are exactly divisible by 6? d. 13
Q9 a. 1		ligit of 357 ⁵⁹ × 59 ³⁵⁷ b. 3	c. 7	d. 5
Q92 a. 1		(12345 k) ⁷⁶ is 1, then the b. 3	e value of k can be: c. 7	d. All
Q93 a. 2		of factors of $2^4 \times 3^4 \times 7^2$ b. 25	that are even. c. 60	d. 50
Q94 a. 20		ber of factors of 2160. b. 40	c. 48	d. 68
Q95 valu	Non dividing 50, e that N can take?	75 and 125 leaves a rer	mainder of 2, 3 and 5 re	spectively. What is the largest
a. 24	1	b. 12	c. 18	d. 10
Q96. a. 1/3	Find the HCF of 3/ 35 b. 2/15	5, 6/5 and 18/7 is c. 3/7	d. 3/35	•
Q97.	How many distinct	t values can x assume i	f 28357x4 is divisible by	8?

c. 4

d. 5

· SET - A

BC - 401 / XBI - 401 / XBS - 401 / MBH - 405 / PBH - 404 / BBA - 406 / BOV - 405 / BCH - 407 / ESE - 401

Q98. How many pairs of numbers exist such that HCF 6 and LCM is 216?

b. 2

d. 0

Q99. A number when divided by 15, gives a remainder of 11. Find the remainder when twice the number is divided by 3?

a. 0

b. 1

c.2

d. Cannot be determined

Q100. Find the largest three-digit number that will give a remainder of 4 when divided by 5, 6, 8?

a. 960

b. 996

·c. 964

d. 984