		Name and Address of the Owner, where the Owner, which is the Owner, where the Owner, which is the Own		-
Regis	tration No.:			
	Course Co	de:PEA306	Рар	er Code: B
Cou	irse Title:ANAL	YTICAL SKI	110"	
Time Allowed: 01:00 nr.	Contact I	he ave	Max	Marks: 40
Read the following instructions care 1. Match the Paper Code shaded or that both are the same.	efully before attempting the OMR Sheet with the	Paper code monti		магкs: 4 <i>0</i>
that both are the same.	ane Carr sace	0.25	ned on the question paper	and ensure
2. This question paper contains 40	questions of 1 mark each	marks will be	e deducted for each wrong	answer.
d m more ountlines of	the question paper and	or on rough sheet	s) which could be beinful to	anv studens
Do not write or mark drysting of in copying, except your registration Submit the question paper and th				
examination hall.		only sneet	to the invigilator before lea	tving the
6. Use of Calculator/Log table is no	ot allowed.			
Q(1) P, Q, R, S, T, U, V and W a	are sitting round the ch	rcle and are facing	g the centre	
P is second to the right of T who	is the neighbour of R	and V.		
S is not the neighbour of P. V is the neighbour of U.				
Q is not between S and W. W is	not between U and S.	**		
Then Who is sitting opposite to I	U ? (b) R	(c) W	(d) P	
(a) Q				CO3,L3
Q(2) In a garden, there are 10 rd 2 metres and a distance of one	ows and 12 columns of	of mango trees. To des of the bound	he distance between the	two trees is
2 metres and a distance of one i	metre is left from an o		ary of the garden. The le	ngth of the
(a) 20 m	(b) 22 m	(c) 24 m	(d) 26 m	00212
Q(3) Statements:				CO3,L3
All flowers are rooms.				
Some rooms are windows. All cards are windows.				
Conclusions:				
Some cards are flowers. Some cards are rooms.				
III. Some windows are flowers.				
IV. All cards are rooms.	(h) O-1-11 (-11-11-			
(a) None follows (c) Only I follows	(b) Only II follows (d) Only III follows			
	100	ne between them	sachuse than after the s	CO3,L3
Q(4) If Neena and Reena also Neena's position from the left w	exchange their position	ns between then	iselves, then alter the c	xonange
(a) 6	(b) 10			
(c) 12	(d) None of these			CO3,L3
Q(5) What will be last digit of the	he 3rd number from to	p when the numb	pers given below are arr	ranged in
descending order after reversin 516 125 629 741 992	g the position of the	igits within each i	number?	
(a) 1	(b) 2	(c) 3	(d) None	CO2,L3
-f Dido D	left.	and Savitri is sev	enteenth from the right.	If in this row
Q(6) In a row of Girls, Rama is Rama is eleventh from the righ	then what is the posi	tion of Savitri from	n the left?	. 100
				CO4,L3
Q(7) Statements: Some ships	are hosts All hoats a	re submarines. So	ome submarines are yat	ches.
Conclusion:	die boats. All se			
I. Some yather are book	1 23 5			
II. Some Submarines are ship	S.			
Come valo		I follow		CO3,L3
(a) All follows (c) Only III follows	(b) Only II and (d) Only IV follow			
(c) Only III				

O(8) Study the face	A STATE OF THE PARTY OF THE PAR						
& (82 F 4 8 H % and sequence of care	restions that for	llow-					
Q(8) Study the following sequence of care and answer the questions that follow: & (82F48H % # & How many such numbers are there in the above sequence that are immediately followed by a symbol and (a) 1							
also immediately preceded by a letter?	equence that are immedia	itely followed by a syn	nbol'and				
(b) 2	A HITCH STREET						
(c) 0							
(d) 3							
O(0) A is 200%			CO3,L3				
Q(9) A is 300% more efficient than B, while A take	es 30 days less than B to d	complete a task. In hor	w many				
(a) 10 whole work?		(d) 8					
(b) 15	(c) 12		CO1,L2				
Q(10) A can do some work in 10 days, B can do t days, In how much time the work will be done.	he same work in 15 days.	If they are working on	alternate				
(a) 18 (b) 6	(c) 12	(d) 4	221 22				
			CO1,L2				
Q(11) If 6 men can complete a piece of work in 18 then in how many days can 9 men and 15 women	8 days and 12 women can	do the same work in	15 days,				
(a) 12 days (b) 15 days	(c) 6 days	(d) 10 days					
0/40) I11-1	and 24 days represtive	alu bu working congrat	CO1,L2				
Q(12) Jack and john can construct a wall in 20 da worked alternatively by 2 days, If Jack started the	work, now long will it take	e to construct a wall.	ciy, they				
(a) 240/12 days (b) 240/13 days	(c) 240/11 days	(d) None of these	00014				
Q(13) 10 women can complete a work in 7 days	and 10 children take 14 da	ays to complete the wo	CO2,L1 ork. How				
many days will 5 women and 10 children take to 0	Olliblete nie work:						
(a) 3 (b) 5	(c) 7	(d) 9	CO1,L2				
Q(14) X and Y can do a piece of work in 20 days	and 12 days respectively	. X started the work a	lone and				
then after 4 days Y joined him till the completion of	file work. How long ald	the work last? (d) 25					
(a) 20 (b) 10	(0) 0	(0) 20	CO1.L2				
Q(15) Time taken by A to finish a piece of work is	twice the time taken B ar	nd thrice the time take	en by C. If				
all three of them work together, it takes them 2 day	ys to complete the entire	work. How much work	was done				
by B alone? (b) 6 days	(c) 3 days	(d) 5 days					
(a) 2 days	t- come pince of words in	45 1 40 41 4	CO1,L2				
Q(16) A can do a piece of work in 12 days. B can for 3 days B also join A to finish the remaining wor	to same piece of work in	k will be finished?	worked				
for 3 days B also joint B. 5 A. 3	Ç. 6	D. 8					
A. 3	atream and 5 km/hr age	institution to the C	CO1,L2				
Q(17) In one hour, a boat goes 11 km/hr along the the boat in still water (in km/hr) is: (b) 5 km/hr	e stream and o kittini age	ainst the stream. The s	peed of				
the boat in 3 km/hr (b) 5 km/hr	(c) 8 km/hr	(d) 9 km/hr	00010				
(a) Express leaves Pune for Damb	at 17:30 hrs and reach	- b	CO2,L3 While				
Q(18) Indrayani Express leaves Pune for Bomba Shatabdi, which leaves Bombay at 17:00 hrs read	hes Pune at 20:30 hrs. A	t what time do they pa	ss each				
athor?		what fille do me) !					
(a) 12:06 hrs (b) 16:06 hrs	(c) 19:06 hrs	(d) 15:06 hrs	CO2,L3				
outstaments: Some boats are rounds							
Q(19) Statemonts. All waters are boats. All roads are water	u Como water la n						
Conclusion I follows							
(a) If only Conclusion II follows (b) If only Conclusion I or II follows							
(b) If only Conclusion I or II follows (c) If either Conclusion I and II follows. (d) If both Conclusion I and II follows.							
(d) If both con and it follows.			CO3,L3				
- Numbel VI gills are etandi Cite and Gite 4 -							
the left hand side, the rank of Sita is 14 and from right hand side, the rank of Sita is 7th. Calculate the total number of girls.							
(a) 23 (b) 24	(c) 25						
(5)	THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TRANSPORT NAMED IN COLU	(d) 26	Start Was Supplemental Control of the				

(d) 26

CO3,L3

Registration No.: Q(21) Statements: I Some questions are answers. II. Some answers are explanations. III. All explanations are lengthy. IV. No lengthy is a summary. Conclusions I. No explanation is summary. II. Some lengthy are answers. III. Some answers are not summary. (a) Only conclusion I follows (b) Only conclusion II follows (d) Both conclusion I and II are true (c) All conclusions follow Q(22) "Statements: All Even are Odd. All Odd are Prime. Some Odd are Composite. No Composite is CO3,L3 Natural. Conclusions: I. Some composite are Even is a possibility. II. Some Prime are Natural is a possibility. III. Some Composite are not Odd is a possibility. IV. All Natural are Even is possibility." B] Only I, II and III follow C] Only II, III and IV follow D]Only I, III and IV follow A] All follow Q(23) 40% of the people like juice, 55% of the people like Lassi, 65% of the people like tea; then at least CO313 what % of people like all three? A] 0 B] 20 C1 30 D] 40 Q(24) Students line up in a queue in which Ashish stands fifiteenth from the left and Sachin is seventh from the right, if they interchange their places, Sachin would be fifteenth from the right. How many srudents are there in the queue? (a) 21 (b) 22 (c) 29 (d) None of these CO313 Q(25) A man on tour travels first 160 km at 64 km/hr and the next 160 km at 80 km/hr. The average speed for the first 320 km of the tour is: (a) 69kmph (b) 71.11kmph (c) 77kmph (d) 83.33kmph Q(26) Robert is travelling on his cycle and has calculated to reach point A at 2 P.M. if he travels at 10 kmph, he will reach there at 12 noon if he travels at 15 kmph. At what speed must he travel to reach A at 1 P.M.? (a) 10kmph (b) 12kmph (c) 8kmph (d) 15kmph CO2.L3 Q(27) A motorboat, whose speed in 15 km/hr in still water goes 30 km downstream and comes back in a total of 4 hours 30 minutes. The speed of the stream (in km/hr) is: A] 4 B) 5 CO2 L3 Q(28) A man takes 5hr 45min in walking to certain place and riding back. He would have gained 2hrs by riding both ways. The time he would take to walk both ways is? C] 7 hr 40 min A1 8 hr 45 min B] 7 hr 45 min D] 8 hr 30 min CO2.L3 Q(29) A man goes from a place A to B at a speed of 12 km/hr and re turns from B to A at a speed of 18 km/hr. The average speed for the whole journey is: (a) 14.4 km/hr (c) 15.5 km/hr (b) 15 km/hr (d) 16 km/hr CO2.L3 Q(30) If a man walks 20 km at 5 km/ hr, he will be late by 40 minutes. If he walks at 8 km/hr, how early from the fixed time will he reach? (c) 50 minutes (b) 25 minutes (a) 15 minutes (d) 90 minutes Q(31) . A man can row 9 kmph in still water and he finds that it takes him thrice as much time to row up CO2,L3 than as to row down the same distance in river. The speed of the current is? C] 5.5 kmph A] 5 kmph Bl4.5 kmph DJ 4.75 kmph CO2,L3 Q(32) A farmer travelled a distance of 61 km in 9 hours. He travelled partly on foot @ 4 km/hr and partly on bicycle @ 9 km/hr. The distance travelled on foot is: (c) 15 km (b) 12 km (d) 16 km CO2.L3 Q(33) A and B can together complete a piece of work in 8 days. If A alone can complete the same work in 48 days, in how many days can B alone complete that work? (c) 23/4 (b) 48 / 5 (a) 89 (d) None CO6,L2 Page 3 of 4

Regi	stration No.:_		The last of	
Q(34) A and B can together co 30 days, in how many days car (a) 50	mplete a piece of wor A alone complete the	(c) 6	(d) None	CO5.L
Q(35) If 6 boys can complete a	work in 30 days the!	36 boys can complet	e the same work in ho	w many
(a) 5	(b) 12	(c) 23	(d) None	CO31
Q(36) Two pipes can fill a tank minute. All the three pipes work (a) 60 gallons	(b) 100 gallone	(c) 120 gallons	(a) 100 galloris	CO11
Q(37) A 100 m long 3 m high a hours a day in 20 days. How lo 35 children working 2 hours a d (a) 30 m	nd 30 cm wide wall is	s built by 30 men, 20 v and 30 cm wide can b men, women and chil (c) 16 m	women and 50 children e built by 15 men, 25 dren are equally efficie (d) 15 m	working (women and ent)?
Q(38) After running 200 km, a reaches the destination late by	train meets with an a	ccident and then runs and happened 80 km f	at 2/3th of its former s	CO1,L speed and
minutes late. Find the actual sp (a) 80	eed of the train km/h (b) 70	r. ? (c) 50	(d) 48	CO2,L3
Q(39) The ratio between speed	ds of Two buses is 5:	3. If the first bus runs	450 km in 5 hours, then	
the speed of the second bus? (a) 45 km/hr	(b) 84 km/hr	(c) 60 km/hr	(d) 54 km/hr	CO2,L3
Q(40) Find the ratio of swimmi	ng speed of Raj in sti	water to speed of riv	ver, if ratio of time taken	The second second
10km upstream to time taken to (a) 11:5	go 10km downstrea (b) 4:2	m is 11:5? (c) 8:3	(d) 6:5	CO213

-- End of Question paper--