Course Code:PEA305 Course Title: ANALYTICAL SKILLS-I

Read the follower	ed: 01:00 hr.	ie:ANALYTICA	L SKILLS-I	
I. Match the Paper Co	structions carefully before a ode shaded on the OMP ST	ttempting the question pat	per Max, M	farks: 40
This question paper All musting	contains 40 questions of t	aper code me	entioned on the question paper a	nd ensure that
4. Do not write or mai	k anything on the question	SEZ METRS WI	il be deducted for each wrong ar	Iswer.
5. Submit the question 6. Use on Calculatoral	egistration number on the d paper and the rough sheet(s	eaper and/or on rough she esignated space.	ll be deducted for each wrong as set(s) which could be helpful to a set to the invigilator before leavi	my student in
Q(1) The smallest	3-digit prime number is:	S THE OME SHE	et to the invigilator before leavi	ng the examination half.
(a) 103	(b) 107			
Q(2) Which one of the	e following	(c) 109	(d) None of these	100
(a) 11	ne following numbers will (b) 16	completely divide (325 -	+ 326 + 327 + 32812	,14
Q(3) Three number	(b) 16	(c) 25	(d) 30	4-2
(a) 4, 8, 12	(b) 16 s are in the ratio 1 : 2 : 3 (b) 5, 10, 15	and their H.C.F. is 12	The numbers are	,L4
Q(4) The L.C.M. of	two numbers is 45 km.	(c) 10, 20, 30	(d) 12, 24, 36	,L4
H.C.F. and L.C.M. is (a) 215	1150, the other number	their H.C.F. If one of t	(d) 12, 24, 36 the numbers is 125 and the	sum of
	(D) ZZU	(c) 225		
(a) 6	git of 234 X 121 X 89		(d) 235	,L4
	(b) 8	(c) 2	(d) None	
subtracted from the c	certain number, the sun puotient. The remainder (b) 30	n is multiplied by 5; the left is 12. The number	(d) None product is divided by 9 and is:	CO1,L3
- If 37 = 2 + 1	(b) 30	(c) 40	(d) 60	,L4
Q(7)" 13 -2 + 1 + 1 + 1 + 1	, where x, y, z are natu	ral numbers, then x,	y, z are :	,57
(a) 1, 2, 5	(b) 1, 5, 2	(a) F 0 44		
Q(8) Find the remain	der when 14 X 16 X 20	(c) 5, 2, 11	(d) 11, 2, 5	,L4
1-1-1	(D) U	(c) 1	(d) 12	
Q(9) The sum of thre	e consecutive odd numb	ers is 38 more than the	(d) None e average of these numbers	CO1,L3
the first of these numb (a) 13		was as more triair the	e average of these numbers	. What is
	(b) 17	(c) 19	(d) None of these	,L4
excluded number is :	(b) 27		(d) None of these the average becomes 25.	The
Q(11) which of them v	vill come in the middle if	(c) 30	(d) 35 ed alphabetically as a dictio	,L4
a) Animate b)Animosit (a) b	y c) Anguish d) Ankle (b) c	e) Announce (c) d		nary?
Q(12) A grocer has a s	sale of Rs. 6435, Rs. 692	7 De 6955 De 7000	(d) e and Rs 6562 for 5 consecu	,L4
(a) 4991	(b) 4981	(c) 4971	(d) 4961	14
Q(13) The average we	ight of 8 person's increa	ses by 2.5 kg when a r	new person comes in place	of one of
them weighing 65 kg. V (a) 81 KG	What might be the weight (b) 83 KG	of the new person?		21 0116 01
		(c) 85 KG	(d) 87 KG	,L4
(4) 125.75	(0) 140.55	(C) 143	more than 125, then x is eq (d) 150	.L5
1620 votes. The number	of voters enrolled on the	e voters' list was:	two candidates, 10% of the id votes and won by a major	votes ity of
(a) 25000	(b) 33000	(c) 35000	(d) 40000	,L5
Q(16) The price of oil is the reduction in consump (a) 1:3	increased by 25%. If the otion and the original cor (b) 1:4	expenditure is not allo examption is (c) 1 : 5	owed to increase, the ratio b	
			(d) 1:6	,L5
Q(17) Jacob bought a so scooter for a profit of Rs. (a) Rs. 400	1100. How much did he (b) Rs. 440	of money. He spent 10 spend on repairs if he (c) Rs. 500	% of the cost on repairs and made a profit of 20% ? (d) Rs. 550	f sold the
Ame a real lines of	A STATE OF THE PARTY OF THE PAR		(4) 110, 000	120

F	Registration N	0.:		
Q(18) A shopkeeper so 4%. His total gain or to	ells one translator for I		20% and another for	Rs. 960 at a loss of
(a)5 17 % loss	(b) 5 ± % gain	(c) $6\frac{2}{3}\%$ gai	n (d) None (of these ,L5
Q(19) A vendor loses (a) 10%	(b) 11 ¹ %	ranges on selling 38 (c) 12 ½%	oranges. His loss per (d) None o	Parameter and the second
Q(20) Rs. 800 become increased by 4%, what (a) Rs. 1020.80	os Rs. 956 in 3 vests :	ul a cortain rate of all	mple interest. If the rai	te of interest is
Q(21) The interest on interest in one year be (a) Rs. 20.25	a certain deposit at 4.: on the same deposit at (b) Rs. 22.50	5% p.a. is Rs. 202.50 if 5% p.a. ?	in one year. How muc	,L5 ch will the additional
Q(22) In class A there	are 39 students whose	san are complued ful	an find the overall average	
A STATE OF THE STA	(9) 43	(C) 29	(d) None	00410
Calculate the amount (a) 6690	many Aurenthin sain Ret giffe	a o years,	% per annum compound	d interest.
	(b) 6655	(c) 6658	(d) 6652	,L5
consumption of cooki (a) 18%	ng oil so as not to increased (b) 20%	ase the expenditure in	cent should a family rec this account?	duce the
O(25) In a country 5!	5% population is female	(c) 22%	(d) 24%	,L5
are literate if total liter (a) 30%	racy is 58%? (b) 35%	(c) 40%	(0) 24% pulation is literate. How i	much of females
O(26) 40% of greate		% of the smaller Hab-	(d) 45%	,L5
(a) 60 Q(27) Find the missi		(c) 80	(d) 45% ir sum is 150, then the g (d) 90	reater number is .L5
7, 26, 63, 124, 215, 3 (a) 511		22		
The state of the s	35, 7 46, 65, 57, 76. Fin	(c) 421	(d) 391	,L4
(a) 45 2(29) Find 14.28% of	(11) 42	o the missing term. (c) 54	(d) 55	
(a) 111	(b) 222		16-41-20	,L5
Q(30) PMT, OOS, NO		(c) 132	(d) None	CO6,L4
Q(31) AYBZC, DWEXF,	GUHVI, JSKTL ?	(c) LVR	(d) LWP	,L5
	(b) MQNRO	(c) NQMOR	(4) 011011	
Q(32) UPI, ? ODP, MBQ (a) RHJ		term.	(d) QMONR	,L5
Q(33) If the positions of	the third and tenth lette		(d) THK	,L5
Q(33) If the positions of the likewise the positions of the which of the following will (a) C	Chi T	the right ?	and also	interchanged.
Q(34) In a certain code, \ written in that code ? (a) AKNUARRANKA	/ISHWANATHAN IS WIT	itten as NAAWTHHS,	(d) None of The ANIV. How is KARUNA	se ,1.5 KARANA
Q(35) If in a language "fin "ankle", "ankle is celled "pa put to mark his signatures?	ger" is called "toe", "toe alm" and "palm" is calle	"K (c) NKKRANKR " is called "foot", "foo d "knee", then in that	AUK (d) RURNKAAUN ot" is called "thumb", "thi t language, what will an	IAK ,L5 umb" is called illiterate man
(4) 100	(b) Knee	(a) Thumb	(d) Ankle	,1.6
Q(36) APZLT, CQYNR, ER (a) KVIJUJ	(D) JUUVK	next term. (c) ITVTL	(d) KUUVJ	4.6
O(37) BAZ, DBY, FCX, ? F	ind next term. (b) EFX	(c) FEY	(d) HDW	4.8
2(38) SCD, TEF, UGH,	WKL Find missing tem (b) UJI	(c) PET 1. (c) VIJ	(a) IJT	.18
2(39) FAG. GAF, HAI, IAH, a) JAK		The second second	(d) JAI	La
2(40) In a code language, E anguage?	SLEND is written as EN	(c) HAK HPG. How will WINN	ER be written in the sam	
а) ŽКОРНТ	(b) ZKOPHU	(c) YKQPHT uestion paper-	(в) гкорнт	.18
			Pai	16 2 6f 2



23242PEA25399 Paper Code: A

Course Code:PEA305 Course Title: ANALYTICAL SKILLS-I

Time Allowed: 01:00hrs.

11 + 21 + 31 + 41 + + 1001

(a) 3

(b) 4

Max Marks: 40

Read the followers 01:00h	rs.		Max Ma	arks: 40
Match the Paper Code	ctions carefully before attemp shaded on the OMR Sheet w	ting the question paper.		and
ensure that both are the	lame	ith the Paper code mention		
 Inis question paper co 	nt-la- an	each. 0,25 marks will be	deducted for each wrong ar	nswer.
4. Do not write or mark as	aldhina th	and the second s	tick and the holoful to a	ny student
examination hall.	aper and the rough sheet(s) a	long with the OMR sheet to	o the invigilator before leave	ing the
6. Use of calculators not	allowed			
Q(1) Find the cube root (a) 33			The second secon	
restor.	(b) 43	(c) 23	(d) 29	.L4
	between 'a' and 'b' if 'a' repri	esent the number of factor	s of 100 and 'b' represent n	umber of
(a) b > a	(b) a > b	(c) a =b	(d) Can not be deter	mine
Q(3) Nisha is making a	game board that is a last as a	45.1	(I) - 140 - (1 - 41	,L5
The time of the court trace !	game board that is 9 inches t	by 12 inches. She wants to	use square tiles. What is the	ne largest
(a) 1 inch	(b) 2 inches	(c) 3 inches	(d) None	
Q(4) Nitin is making a g	game board that is 15 inches t	by 18 inches, he wants to	use square tiles. What is the	,L4 a largest
(a) 12 inches	(b) 11 inches	(c) 3 inches	(d) None	
O(5) 4556 is a four dist		The State of the S	NAME OF TAXABLE PARTY.	,14
(a) 3	t number divisible by 33. What (b) 4	at is the value of a? (c) 5	(d) 6	,L4
Q(6) Calculate the valu	e of (256)^0.16 X (16)^0.18.			.53
(a) 2	(b) 4	(c) 8	(d) 16	
Q(7) How many factors	of 24 * 53 * 74 are odd num	horr?		,L5
(a) 60	(b) 10	(c) 50	(d) 20	
0/9) Many Many Many and F				,L4
	Riya begin to jog around a cir many seconds will they be to			obs and bas,
(a) 366	(b) 252	(c) 504	(d) Can not be de	termined
120020000000000000000000000000000000000			0/1 ME N (4) N N	,L4
	veighing 45 kg left a class, the rage weight of the remaining		emaining 59 students incre	ased by200
(a) 50	(b) 65	(c) 57	(d) 80	
	4540 110 100	1010 "		,L4
	average of 510 visitors on S ays beginning with a Sunday		days. The average number	r of visitors per
(a) 235	(b) 305	(c) 285	(d) 315	
	*1.*1	AND SEE	MARK I SALES	,L4
Q(11) The average rur	rate of a cricket team durin	ig the first 20 overs is 4.5.	What should be the asking	g rate per over
	fit has to chase a target of 2 (b) 6.3	(c) 6.4	(d) 6.8	
(a) 6.0	(5) 0.0	107.5.4	(0) 0.0	,L5
Q(12) Find the unit dig	git in the expression			

(c) 6

(d) 8

	Registration No.:			
Q(13) Find the remainder A) 2	r in expression- (1!+2!+3!+ B) 3	+100!)/7 C) 4	D) 5	
Q(14) The cost price of a price. At what price the sh (a) 1524	purse is Rs. 1,260 and a sho hopkeeper should mark the pi (b) 1710	opkeeper sold it after givin urse, so that he earns a pr (c) 1625	g a discount of 22% on its r ofit of 13.1% after selling it. (d) 1827	
Q(15) A dealer loses 20% (a) 78	% if an article is sold at the pri (b) 75000	ce of 50000. At what price (c) 90000	he/she has to sell to gain : (d) None	,L5 20%?
Q(16) A man sells two m What is his loss percent i	obiles at the rate of Rs. 8989 n the whole transaction?	89 each. On one he gains	20% and on the other, he I	The state of the s
(a) 2 % Loss	(b) 3 % Loss	(c) 4 % Loss	(d) None	,L5
Q(17) A reduction of 30% price in Rs per kg of rice?	6 in the price of rice enables	a housewife to purchase 6	kg more for Rs. 140. What	
(a) 5	(b) 7	(c) 10	(d) 14	.L4
Q(18) A shopkeeper pure percent profit should he s (a) 30%	chase some number of article sell the remaining to gain ove (b) 20%	e for Rs.4500. He sold 2/3 rall 20 % profit. (c) 25%	th of them at 10 % loss each	
TART	T. May E years			,L5
Q(19) A shopkeeper sell would get 30% profit. Fin (a) 800	ling his goods at 20% profit. It at the initial CP of that article. (b) 1500	fad he purchase it 10% le	ss and sold it for Rs.24 less (d) 1200	then he
		110		,L5
Q(20) An amount become amount become 16 times (a) 25 years	nes 4 times in 7 years when in s of the original amount at the (b) 30 years	nvested under SI at a cert e same rate? (c) 35 years	ain rate. In how many years (d) 40 years	will the
O(21) At the rate of 12.5				,L5
(a) Rs 2100	6% p.a. the CI on a sum is Rs (b) Rs 1950	(c) Rs 1930	(d) Rs 1920	
Q(22) If A's height is 409 (a) 66.66%	% less than that of B, how mu (b) 60%	uch percent B's height is n (c) 40%	nore than that of A? (d) 30%	,L5
Q(23) Entry fee in an ex percentage increase in the	chibition was Rs. 1. Later, this he number of visitors is :	was reduced by 25% whi	ch increased the sale by 20	,L5 %. The
(a) 20	(b) 25	(c) 30	(d) 32	
Q(24) A sum of money le interest was payable half	ent at compound interest for a fyearly than if it was payable	2 years at 20% per annun annually . The sum is	would fetch Rs.482 more,	,L5 if the
(a) 10000	(b) 20000	(c) 25000	(d) 16000	
Q(25) A trader buys oran rupee?	nges at 7 for a rupee and sell	s them at 40% profit. How	many oranges does he se	L5, Il for a
A] 3	B] 4	C] 5	D] 6	
Q(26) A dealer marks his The rate of discount is:	s goods 20% above cost pric	e. He then allows some d	iscount on it and makes a p	,L5 profit of 8%.
A] 12%	B] 10%	C] 6%	D] 4%	
Q(27) Find the wrong ter 36, 40, 49, 65, 99, 126, 1	rm in the following series?			,L5
(a) 126	(b) 175	(c) 99	(d) 65	
Q(28) What will come in	place of the question mark (?) in the following series?		,L4
13, 7, 8, 18, 76, 616				
(a) 3	(b) 15	(c) 6	(d) 7	

,L5

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	Registration No::			
(29) Find the wrong te	rm in the following series.			
75, 73, 69, 61, 43, 13 (a) 43	(b) 61	(c) 13	(d) 69	
Q(30) find the wrong nur	mber in the series-			,L5
30, 42, 48, 54, 65, 81, 12 (a) 42	(b) 54	(c) 65	(d) 126	
Q(31) Find the next one				,L4
500,356,456,392 (a) 400	(b) 418	(c) 430	(d) 428	,L2
Q(32) . If tee see pee r intelligent, then which w	neans drink fruit juice, see kee lee ord means sweet?	means juice is sweet,	lee ree mee means he is	
(a) See	(b) Pee	(c) Tee	(d) Kee	,L2
Q(33) Find the next te	rm.			
1, 3, 8, 19, 42, 89, ? (a) 108	(b) 184	(c) 167	(d) 97	,L4
Q(34) Find the missin	g number in the given number seri	es?		,64
625, 625, 600, ?, 475 (a) 700	, 875 (b) 780	(c) 800	(d) 900	,L5
Q(35) In a certain co (a) LVMEZOD	de 'CERTAIN' is coded as 'BFQUZ. b) NTCOMBF	JM'. How is 'MUNDANE (c) NTOCNBF	coded in that code? (d) LTMCZOF	
Q(36) If Z = 52 and A A] 39	ACT = 48, then HAT will be equal to B] 41	C] 44	D) 58	,L5
Q(37) Look at this se A] 20	eries: 36, 34, 30, 28, 24, What n B]22	umber should come ne C] 23	xt? D] 26	,L5 ,L5
Q(38) Look at this so A]85	eries: 664, 332, 340, 170,, 89	9, What number sho C]109	uld fill the blank? D]178	
	ber which will come in the place of	f the question mark in t	the given series 4, 18, ?, 100	
448. (a) 48	(b) 86	(c) 62	(d) 38	ı,
Q(40) If ROSE is co	oded as 6821, CHAIR is coded as	73456 and PREACH i	s coded as 961473, what wi	Il be the code
(a) 214673	(b) 214763	(c) 214555	(d) 241678	

-- End of Question paper--

(b) 214763

(a) 214673