Registration No.: Paper Code B COURSE CODE: PEA305 Course Title: ANALYTICAL SKILLS Time Allowed: 2 hrs Time Allowed: 2 11.7
Read the following instructions carefully before attempting the question paper.

J. Match the Paper Code shaded on the OMR Sheet with the Paper code mentioned on the question paper and ensure that both are the same. 2. This question paper contains 80 questions of 1 mark each, 0.25 marks will be deducted for each wrong answer. 3. Attempt all the questions in serial order 4. Do not write or mark anything on the question paper and/or on rough sheet(s) which could be helpful to any student in copying, except your registration student in copying, except your registration number on the designated space. Submit the question paper and the rough sheet(s) along with the OMR sheet to the invigilator before leaving the examination hall. 6. Use of calculator/log table is not allowed. Q1) In how many ways a group of 3 students can be selected from 7 men and 5 women consisting of 1 man and 2 women?

(a) 70 (b) 110 (c) 7 (d) 60 CO4, L1 From a box containing 8 yellow and 5 white pens, three are drawn one after the other. Find the probability of all three pens being yellow if the pens drawn are not replaced? (b) (e) CO4, L1 There are 15 boys and 10 girls in a class. If three students are selected at random, what is the probability that 1 girl and 2 boys are selected? (a) (b) (c) (d) Q4) A boy walks 21 Km towards south and then turns to the right. After walking 11 Km he turns to the left and walks 21 Km. Now in which direction is he from the starting place? (a) West (b) East (c) North-East (d) South-West CO5, L2 Q5) B is the husband of A. B is the father of C. D is the son of A. How is D related to C? (a) Wife (b) Husband (c) Brother (d) Uncle CO5, 1.2 Q6) A is the brother of B and C is the sister of B. D is the father of C and D is husband of E. E has a sister F. Which statement is correct? (a) A, B, C are sibling (b) D is Uncle of A (c) B is a male (d) A is cousin of C CO5, L2 Q7) The son of Z is the father of Y and grandfather of X. T is the sister of X. How is Z related to T? (a) Grand-father (b) Grand-mother (c) Father (d) Can't Determine CO5, L2 D is son of E. M has only two children- D and F. T is the sister of U. F married to V. M has only daughter. W is the mother of E. T married to D. X married to W, and M is the son of Y. How is E related to Y?

(a) Aunt (b) Sister-in-law (c) Daughter-in-law (d) Daughter CO5, L2 (9) If you are facing north-east and move 10 m forward, turn left and move 7.5 m, then you are (a) north of your initial position (b) south of your initial position (c) 12.5 m from your initial position (d) Both A and C Niral goes 30 metres North, then turns right and walks 40 metres, then again turns right and walks 20 metres, then again turns right and walks 40 metres. right and walks 40 metres. Now he is in which direction from the starting point? (a) North (b) south (c) east (d) west Abhashek is son of Amitabh's father's aister. Prakash is son of Teji who is mother of Vikash who is a male and grandmother of Amitabh. Harvansh is father of Neela and grandfather of Abhishek. Teji is stife of Harivansh.

How is Abhishek related to Teji? (a) Bud son (b) son (e) brother (d) none Page 1 of 7

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	Q12)	
	B and C are siblings. M has two children and he is son of E, who is father-in-law of H. H has only  (a) Granddaughter (b) daughter (c) sister (d) NONE	one son. C is not granddaughter of E.
	Q13) A man said to a lady, "Your mother's husband's sister is my sunf" How is that lady related to  (a) Sister (b) Brother (c) Father (d) GrandFather	
	Q14) If South east becomes East, North-East becomes North and so on. What will West become?  (a) West (b) South West (c) North (d) None	co2, L2
	Q15)  A man walks 3 Km northwards and then turns right and goes 2 Km. He turns left and goes 3 Km. which directions is he walking now?	CO2, L2  He turns right and walks straight. In
	which directions is he walking now?  (a) East (b) West (c) North (d) None	CO2, L2
	Q16) Man walks southwards, then takes a half left turn. In which direction is he walking now?  (a) North East (b) South East (c) North West (d) None	CO2, L2
	One fine morning on his morning walk. Kapil noticed Seeta who was doing Soorya namaskar facin her Good Morning and took a left turn. In which direction, is he walking now?  (a) North (b) South (c) East (d) West	g the rising turn. He week a CO2, L2
		. Justine to visit
	Q18)  Ananya goes to the departmental store, which is to the North of her house, 6 km away by an auto.  Ananya goes to the departmental store, which is to the North of her house, 6 km away. From her friend Ayushi, Hence turns to the right and reaches her friend's house which is 8 km away. From her friend and phones up to the house to send the car away, taking a right turn. Finally, she turns to the right and phones up to the house to send the car away, taking a right turn. Finally, she turns to the right and phones up to the house to send the car.	
	How far is Ananya from the first (c) 12 km (d) 8 km  (a) 6 km (b) 10 km (c) 12 km (d) 8 km  (a) 6 km (b) 10 km (c) 12 km (d) 8 km  (b) 10 km (c) 12 km (d) 8 km  (c) Nephew (d) Cousin  (c) Nephew (d) Cousin	nter." Who is the man to Malaika?
	(a) Son (b)	
	Q20) In a family of six persons - Anu, Ayushi, Sohan, Ajay, Anupam and Anuj - there are three male: couples and two persons are unmarried. Each one of them has different professions, viz. Doctor,	Engineer, Lawyer, Teacher, Writer and eer of Anuj and he is neither Doctor nor
	Architect.  Anupam, who is a Engineer, is mother-means of Anuj, who works as Lawyer. Sohan is not an All Anupam, and Anushi is a Writer and is the sister of Anuj, who works as Lawyer. Sohan is not an All Anupam, who is a Engineer, is mother-means of Anuj, who works as Lawyer.	reliteet. How many sous does Anupaux
	have (a) Four (b) Three (c)	CO2, L2
	Q21) A invests Rs.700 for 6 months, B invests Rs.600 for 7 months and C invests Rs.300 for 14 months are classified by the share of B?  (a) 600 (d) None	onthis in a business. If profit is Rs.1800 then
	what is the 200 (c)	CO4 1.1
	o hy 8 years and their ages are in the respective ratio of 5:9, how o	ld is K?
	(a) 100 (b)  Q22) K is younger than B by 8 years and their ages are in the respective ratio of 5:9, how of (a) 10 (b) 21 (c) 33 (d) None	CO1, L3
	A after 9 months, Q joins with P as his partner. After a year	, the profit divided in the 3 : 5. What is Q's
	Q23)  P starts business with Rs. 4500 and after 9 months, Q joins with P as his partner. After a year contribution in the capital?  Rs. 10000 (c) Rs. 20000 (d) Rs. 30000  (a) Rs. 5000 (b)	CO1, L3









