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.

Here is a father of Neela and grandfish. To a blick the Teji is wife of Harivansh. Harvansh is father of Neela and grandfather of Abhishek. Teji is stife of Harivansh.

(a) Abhishek related to Teji? Page 1 of 7 Find son (b) son (c) brother (d) none

	A Z E
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Q12)	
B and C are aiblings. M has two children and he is son of E, who is f How is B related to E?	Father-in-law of H. H has only one son. C is not granddaughter of E.
(a) Granddaughter (b) daughter (c) sister (d) NO:	NE .
Q13) A man said to a lady, "Your mother's husband's sister is my au (a) Sister (b) Brother (c) Father (d) GrandFather	co2, L3
	CO2, L2
Q14) If South cast becomes East, North-East becomes North and so ((a) West (b) South West (c) North (d) None	A STATE OF THE STA
240	CO2, 1.2
Q15) A man walks 3 Km northwards and then turns right and goes 2 Km. which directions is he walking now?	He turns left and goes 3 Km. He turns right and walks straught. 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	on is he walking now?
(a) North East (b) South East (c) North West (d) Non	CO2, L2
	design me He went to her, greeted
Q17) One fine morning on his morning walk, Kapil noticed Secta who was de her Good Morning and took a left turn. In which direction, is he walking	sing Soorya namaskar facing the rising search of the same search of th
(a) North (b) South (c) East (d) West	CO2, L2
	6 km away by an auto. After the shopping she decides to visit
Q18) Ananya goes to the departmental store, which is to the North of her house the friend Ayushi, Hence turns to the right and reaches her friend's house away, taking a right turn. Finally, she turns to the right and phones up to the right and reaches her friend's house.	
How far is Ananya from her house? (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) Pointing out a man receiving the prize, Malaika said, "He is the b	prother of my uncle's daughter." Who is the man to Malaika?
(a) Son (b) Brother-in-law (c) Nephew (d) Cousin	, CO2, L2
	three gules and three females. There are two married
Q20) In a family of six persons — Anu, Ayushi, Sohan, Ajay, Anupam and A couples and two persons are unmarried. Each one of them has different couples and two persons are unmarried.	anuj – there are three master that the financiary of Amii and he is neither Doctor not
In a family of six persons — And, Ayden and the has different couples and two persons are unmarried. Each one of them has different couples and two persons are unmarried. Each one of them has different couples and two persons are unmarried. Each one of them has different couples and two persons are unmarried. Each one of them has different couples and two persons are unmarried. Each one of them has different couples and two persons are unmarried. Each one of them has different couples and two persons are unmarried. Each one of them has different couples and two persons are unmarried. Each one of them has different couples and two persons are unmarried. Each one of them has different couples and two persons are unmarried. Each one of them has different couples and two persons are unmarried. Each one of them has different couples and two persons are unmarried. Each one of them has different couples and two persons are unmarried. Each one of them has different couples and two persons are unmarried. Each one of them has different couples and two persons are unmarried. Each one of them has different couples and two persons are unmarried. Each one of them has different couples and two persons are unmarried. Each one of them has different couples are unmarried. Each one of them has different couples and the couples are unmarried. Each one of them has different couples are unmarried. Each one of the couples	of Sonar, Agey & to. awyer. Sohan is not an Architect. How many sons does Anupam
have? (b) Three (c) Two (d) None	CO2, L2
(a) Four (c)	
Q21) A invests Rs.700 for 6 months, B invests Rs.600 for 7 months and C	invests Rs.300 for 14 months in a business. If profit is Rs.1800 then
A invests Rs.700 for 6 months, D diversity Rs.700 for 6 months, D	
what is the sea 200 (c)	- CO4 I.I
(a) 100 (b) Q22) K is younger than B by 8 years and their ages are in the respectively. (c) 33 (d) None	ctive ratio of 5:9, how old is 8.7
Q22) K is younger than B by 8 years and then age to be a second of the s	CO1, L3
(a) 10 C	as his partner. After a year, the profit divided in the 3:5. What is Q's
Q23) with Rs.4500 and after 9 months, Q joins with P a	ss his partner. Atter #3
P starts business with Rs.4500 and acceptance on the capital? (a) Rs. 5000 (b) Rs. 10000 (c) Rs. 20000 (d) Rs. 5000 (b) Rs. 20000 (d) Rs. 200	± 30000
Rs 5000 (0)	CO1, L3









