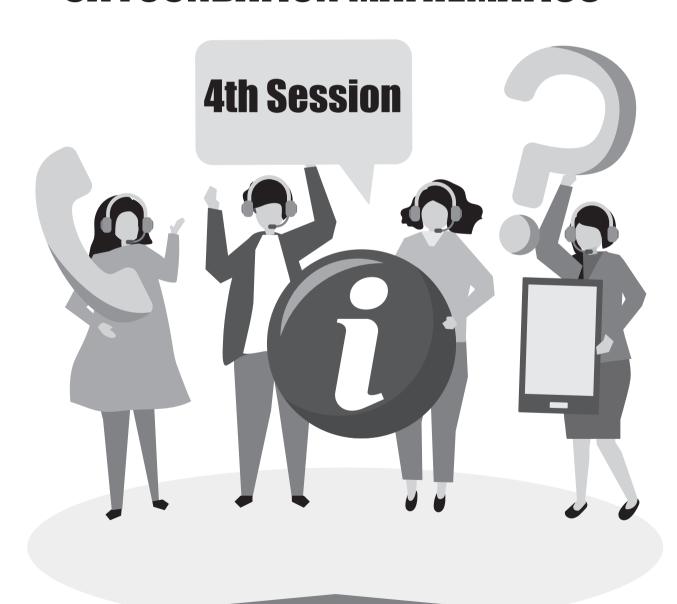# CA FOUNDATION MATHEMATICS

4th Session

Question 1

Pointing to a lady in a photograph, Ram said "Her son's father is the son in law of my mother". How is Ram related to the lady?

(a) Aunt　　　　(b) Cousin　　　　(c) Sister　　　　(d) Mother

Question 2

P is the brother of Q and R, S is the mother of R. T is the father of P. Which of the following statements cannot be definitely true?

(a) S is the mother of P　　　　　　(b) P is the son of S
(c) T is the husband of S　　　　　　(d) Q is the son of T

Question 3

Pointing to a lady, A said, "that woman is my nephew's maternal grandmother". How is that woman related to A's sister who has no sister?

(a) Cousin　　　(b) Son-in-law　　　(c) Mother　　　(d) Mother-in-law

Question 4

A man said to a lady "your mother's husband's sister is my Aunt." How is the man related to the lady?

(a) Mother　　　　(b) Sister　　　　(c) Father　　　　(d) Brother

Question 5

Vicky introduces John as the son of the only brother of his father's wife. How is Vicky related to John?

(a) Mother　　　　(b) Sister　　　　(c) Cousin　　　　(d) Brother

Question 6

If A + B means A is the sister of B, A × B means A is the wife of B, A % B means A is the father of B and A − B means A is the brother of B. Which of the following means T is the daughter of P?

(a) P × Q % R + S − T
(b) P × Q % R − T + S
(c) P × Q % R + T − S
(d) P × Q % R − T + S

Question 7

Five friends A, B, C, D and E are sitting on a bench. A is sitting next to B; C is sitting next to D, D is not sitting with E; E is at the left end of bench. C is on second position from the right; A is on the right side of B who is the right side of E. A and C are sitting together. What is the position of B?

(a) Second from Right   (b) Centre   (c) Extreme Left   (d) Second from Left

Question 8

Four Indians, A, B, C and D and four Chinese E, F, G and H are sitting in a circle around a table facing each other in a conference. No two Indians or Chinese are sitting side by side. C who is sitting between G and E is facing D, F is between D and A and facing G, H is to the left of B. Who is sitting left of A?

(a) E   (b) F   (c) G   (d) H

Question 9

A is seated between D and F at a round table. C is seated opposite to D. E is left to D. Who sits opposite to B?

(a) A   (b) D   (c) C   (d) F

Question 10

A, B, C and D are playing cards. A and B are partners. D faces towards North. If A faces West, then who faces south?

(a) C   (b) B   (c) D   (d) Data Inadequate

Question 11

Six persons are sitting in a circle facing the center. Parikh is between Bablu and Narender; Ashok is between Chitra and Pankaj. Chitra is on the immediate left of Bablu. Who is on the immediate right of Bablu?

(a) Parikh   (b) Pankaj   (c) Narender   (d) Chitra

Question 12

Six flats on a floor in two rows facing North and South are allotted to P, Q, R, S, T and U. Q gets a North facing flat and it is not next to S. S and U get diagonally opposite flat. R next to U gets a South facing flat and T gets a North facing flat. Who's flat is between Q and S?

(a) T   (b) U   (c) R   (d) P

Question 13

One day, Ram ran away from home. He first ran 10 km to South, then turned right at 45°, and ran for 10 km, then turned right at 45° and ran for 10 km. In which direction is he facing now?

(a) North   (b) East   (c) West   (d) South

Question 14

Ms. N walks 10 km towards North from there she walks 6 km towards South. Then she walks 3 km towards East. How far and in which direction is she with reference to her starting point?

(a) 4 km West   (b) 6 km West   (c) 3 km West   (d) 5 km North-East

Question 15

If East is replaced by South-East, then West will be replaced by which replaced by which of the following directions?

(a) North East   (b) North   (c) East   (d) North West

Question 16

Ramu moved a distance of 75 meters towards North. He then turned to left and walked for about 25 m, turned left again and walks 80m. Finally, he turned to the right at an angle of 45°. In which direction was he moving finally?

 (a) South-East   (b) South-West   (c) North-West   (d) North-East

Question 17

A man is facing west. He turns 45° in the clockwise direction and then another 180° in the same direction and then 270° in the anti-clockwise direction. Which is the facing now?

 (a) South-West   (b) North-West   (c) West   (d) South

Question 18

A person facing North moves 70º in clockwise direction. He again moved 300º in clockwise direction. In which direction is he facing now?

 (a) North – West   (b) South – East   (c) North – East   (d) South – West

Question 19

7, 23, 47, 119, 167, ?

 (a) 211   (b) 223   (c) 287   (d) 319

Question 20

Which of the following is odd one 4, 12, 44, 176, 890?

 (a) 4   (b) 12   (c) 44   (d) 176

Question 21

If HONEY is coded as JQPGA, which word is coded as VCTIGVU?

  (a) CARPETS   (b) TRAPETS   (c) TARGETS   (d) UMBRELU

Question 22

If F = 6, MAT = 34, then how much is CAR?

  (a) 21   (b) 22   (c) 25   (d) 28

Question 23

In a certain code language "EXAM' is coded as 39 'PAPER' is coded at 51 then PASS is coded as:

  (a) 39   (b) 47   (c) 489   (d) 51

Question 24

GO = 32, SHE = 49, then SOME will be equal to:

  (a) 56   (b) 58   (c) 62   (d) 64