INSTRUCTIONS
SOLVE BOTH of the following questions
ALLOCATE 40 minutes to each question
ANSWER all parts of the question
ASSIGN proportionate weightage to each part
Each question carries TWENTY marks

Question 1

A) Find the missing term

a) 3,9,21,39,63____

b) 1,5,11,21,37,__

c) 5,16,29,46,65,88,__

d) 1,3,4,9,27,36,243,___,972

B) In a code language, KENWOOD is written as RRGWICL then in same language the word PANASONIC is written as?

C) 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 who is on the left end of the bench. C is on the second position from the right. A is to the right of B and E. A and C are sitting together. In which position A is sitting?

D) A's son B is married with C whose sister D is married to E the brother of B. How D is related to A?

Question 2

A) Father is aged three times more than his son Rashid. After 8 years, he would be two and a half times of Rashid's age. After further 8 years, how many times would he be of Rashid's age?

B) Saleem walks 20 km towards North. He turns left and walks 40 km. He again turns left and walks 20 km. Finally he moves 20 km after turning to the left.
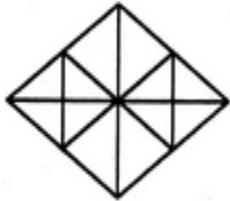
How far is he from his starting position?

How much path he had travelled?

In which direction he is moving?

In which he is from his initial position?

C) A bus starts from city X. The number of women in the bus is half of the number of men. In city Y, 10 men leave the bus and five women enter. Now, number of men and women is equal. In the beginning, how many passengers entered the bus?

D) Find the total number of triangles in the following figure:

(For KPPMS Only)

Q1: Explain Rock Cycle and types of rock with examples. (10Marks)

Q2: Write short notes on the following: (10Marks)
a. Microscope (Simple and Compound)   b. TV

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