Systematic Listing Past Paper Questions

Q1.

Priti is going to have a meal.
She can choose one starter and one main course from the menu.

Menu	
Starter	**Main Course**
Salad	Pasta
Fish	Rice
Melon	Burger

Write down all the possible combinations Priti can choose.

....

....

....

(Total for question = 2 marks)

Q2.

Here are four cards.
There is a number on each card.

| 4 | | 5 | | 2 | | 1 |

(a) Write down the largest 4-digit even number that can be made using each card only once.

....

(2)

(b) Write down all the 2-digit numbers that can be made using these cards.

(2)

(Total for question is 4 marks)

Q3.

Mohsin, Yusuf and Luke are going to play a game.
At the end of the game, one of them will be in First place, one of them will be in Second place and one of them will be in Third place.

Use the table below to list all the possible outcomes of the game.

First place	Second place	Third place

(Total for question = 2 marks)

Q4.

Sally has three tiles.
Each tile has a different number on it.

$$1 \quad 2 \quad 3$$

Sally puts the three tiles down to make a number.
Each number is made with all three tiles.

How many different numbers can Sally make?

(Total for question = 2 marks)

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Q5.

In a box there are three types of chocolates.

There are   6 plain chocolates,
             8 milk chocolates
        and 10 white chocolates.

Ben takes at random a chocolate from the box.

(a) Write down the probability that Ben takes a plain chocolate.

....

(2)

Deon takes 2 chocolates from the box.

(b) Write down all the possible combinations of types of chocolates that Deon can take.

....

....

....

(2)

(Total for question = 4 marks)