Maths Revision Test

Time: 60 mins Max Marks: 30

Q1. Find the nth term of the series 1, 2, 4, 8.....

3 marks

Q2. Fourth and seventh terms of a GP 1/18 and -1/486 respectively. Find the GP.

3 marks

- Q3. Find the geometric progression with 4^{th} term = 54 and 7^{th} term = 1458.
- 3 marks
- Q4 The fifth, eight and eleventh terms of a geometric progression are p , q, and r respectively. Show that: $q^2 = pr$.
 - 3 marks
- Q5 Find number of terms in the arithmetic progression 6, 15, 24, 33, ... such that sum of the series is 2850?
- 3 marks
- Q6. For what values of a are 3a + 24, 4a + 29, and 6a + 31 sequential members of an arithmetic progression?
- 3 marks
- Q7. What is the sum of all natural numbers between 100 and 250 which are divisible by 4?
- .3 marks
- Q8. If the nth term of an arithmetic progression is given by -7-6n, then what is the sum of the first 20 terms of the AP?
- . 3 marks
- Q9. The sum of first 10 terms of an arithmetic progression is 230. The sum of the first 20 terms is 860. What is the sum of the first 30 terms of the AP?.
- 4 marks

Q 10 Which term of the arithmetic progression 11, 24, 37, 50 is 921?