

**PGRMS EDUCATION**

**SAMPLE PAPER (03)**

**CLASS: 6**

**MAX. MARKS : 30**

**SUBJECT: MATHEMATICS**

**TIME: 1:30 HOUR**

**CH: 12 (Ratio And Proportion)**

**General Instructions:**

I. All questions are compulsory.

II. This question paper contains 14 questions divided into four Sections A, B, C and D.

III. Section A has 5 questions of 1 mark each. Section B has 4 questions of 2 marks each. Section C has 3 questions of 3 marks each. and Section D has 2 questions of 4 marks each.

IV. Use of Calculators is not permitted.

**Section – A**

**In Questions 1 to 5, there are four options, out of which one is correct. Write the correct answer.**

1. The ratio of 8 books to 20 books is

- (a) 2 : 5                      (b) 5 : 2                      (c) 4 : 5                      (d) 5 : 4

2. In a box, the ratio of red marbles to blue marbles is 7:4. Which of the following could be the total number of marbles in the box?

- (a) 18                      (b) 19                      (c) 21                      (d) 22

3. The men proportion 9 and 16 is

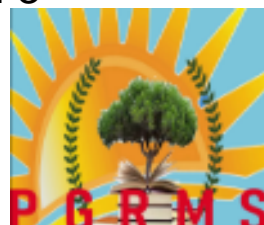
- (a) 3                      (b) 12                      (c) 33                      (d) 11

4. Find the ratio of 15 kg to 75 kg is .....,

- (a) 1 : 5                      (b) 5 : 1                      (c) 3 : 5                      (d) 15 : 5.

5. 30 : 45 is equivalent ratio of

- (a) 15 : 3                      (b) 3 : 15                      (c) 3 : 5                      (d) 5 : 3





(iii) What is her monthly income

### Section – D

13. Are the following statements true?

(a) 40 persons : 200 persons = ₹ 15 : ₹ 75

(b) 7.5 litres : 15 litres = 5 kg : 10 kg

(c) 99 kg : 45 kg = ₹ 44 : ₹ 20

(d) 32 m : 64 m = 6 sec : 12 sec

14 : A car travels 90 km in 2 1 2 hours.

(a) How much time is required to cover 30 km with the same speed?

(b) Find the distance covered in 2 hours with the same speed.

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