



# TEST PAPER: MATHEMATICS

**Time: 50 Minutes**

**Class: 8<sup>th</sup> I.C.S.E.**

**Max. Marks: 30 Marks**

**Date: 21<sup>ST</sup> November, 2018**

**Marking Scheme:** Three questions carry 10 marks each. Questions have 3 subparts each. Subparts (a) and (b) carry 3 marks each and subpart (c) carries 4 marks.

## Question 1:

- a. In a school there are 1500 boys and some are girls. If the number of boys are 75%, calculate the number of girls.
- b. A, B and C can do a piece of work in 8 days, 12 days and 15 days respectively. How long will they take to finish it if they work together?
- c. Let  $A = \{a, b, c, d, e, f\}$  and  $B = \{b, d, f, g\}$ . Find:
  - a.  $A - B$
  - b.  $B - A$
  - c.  $A \cup B$
  - d.  $A \cap B$

## Question 2:

- a. A tank can hold 50 litres of water. At present, it is only 30% full. How many more litres of water is needed, so that it is 50 % full?
- b. In a camp there is enough food for 500 soldiers for 35 days. If 200 more soldiers join the camp, how many days will the food last?
- c.
  - i. A number 75 is misread as 57. Find the reading error per cent.
  - ii. The price of an article increased from \$ 16 to \$ 20; find the percentage increase.

## Question 3:

- a. If 4 men and 5 women can earn \$480 in a day, find how much 9 men and 11 women will earn in a day?
- b. A car travels 360 km in 60 litres of petrol. How much distance will it cover in 12 litres of petrol?
- c. In an election, there are two candidates, X and Y. X secures 45% of the votes and gets 36000 votes. Find the total number of votes polled.