Sample Paper 1

ICSE Class 7

MATHEMATICS

Time: 2.5 hrs

F.M. 80

Section-A (40 Marks)

Answer all questions from this Section

1. (i) Simplify giving your answer with positive index:

[2x5]

$$\left[\frac{1}{4ab^2c}\right] + \left[\frac{3}{2a^2bc^2}\right]$$
4

(ii) Evaluate: 4

(iii) A coin is tossed 300 times and we get head 136 times and tail 164 times. When the Coin is tossed at random, what is the probability of getting: (a) a head (b) a tail

(iv) Represent the following set in set builder form:

$$A = [1, \frac{1}{2}, \frac{1}{3}, \frac{1}{4}, \frac{1}{5}]$$

(v) Calculate the value of 'x' in the adjoining figure:



[3X10]

 $A = \{x: x \text{ is a factor of } 12\}$ and $B = \{x: x \text{ is a factor of } 16\}$

Find: (a) Set A and set B in roster form:

(b) (A-B) ∪ (B-A) (c) (A ∪ B)

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IM Harris

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