

**Summative Assessment – I (2014-15)**

**Sample paper  
Class-IX  
MATHEMATICS**

**TIME: 3 Hrs**

**Maximum Marks: 90**

**General Instructions:**

- (i) All questions are compulsory.
- (ii) The question paper consists of 31 questions divided into four sections A, B, C and D. Section A comprises of 4 questions of 1 mark each. Section B comprises of 6 questions of 2 marks each. Section C comprises of 10 questions of 3 marks each and section D comprises of 11 questions of 4 marks each.
- (iii) Use of calculator is not permitted.

**SECTION – A**

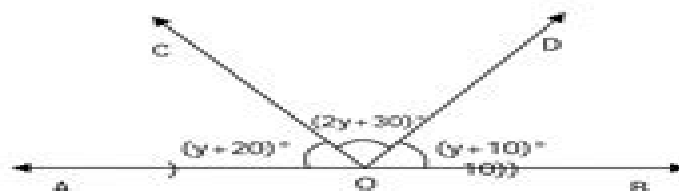
**Question numbers 1 to 4 carry one mark each.**

1. Find the value of  $p$  if  $x = \frac{\sqrt{7}}{5}$  and  $\frac{5}{x} = p\sqrt{7}$ ?
2. If  $x^{99} + 99$  is divided by  $x + 1$ , then find remainder?
3. Simplify:  $[(2)^0 + (-3)^0 + (-14)^0]^2$
4. If an angle is  $14^\circ$  more than its complement, then find its measure.

**SECTION – B**

**Question numbers 5 to 10 carry two marks each.**

5. Find four rational numbers between  $\frac{1}{6}$  and  $\frac{3}{7}$ .
6. Using suitable identity:  $(2x - 3)^3 + (y - 2z)^3 + 8(x - y)^3$
7. In the given figure, if AOB is a straight line, find  $\angle AOC$ ,  $\angle BOD$  and  $\angle BOC$



# Sample Paper 2014

**TD Snyder**

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the author's name.

## Sample Paper 2014:

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