

NATIONAL BOARD FOR HIGHER MATHEMATICS
AND
HOMI BHABHA CENTRE FOR SCIENCE EDUCATION
TATA INSTITUTE OF FUNDAMENTAL RESEARCH
V. N. Purav Marg, Mankhurd, Mumbai – 400 088.

PRE-REGIONAL MATHEMATICAL OLYMPIAD 2012
(Mumbai Region)

NAME: _____ ROLL NO.: _____
CLASS: _____ GENDER: _____
RESIDENTIAL ADDRESS: _____
SCHOOL ADDRESS: _____
EMAIL ADDRESS: _____ PHONE NO.: _____
CANDIDATE'S SIGNATURE: _____ SUPERVISOR'S SIGNATURE: _____

INSTRUCTIONS TO THE CANDIDATE

1. This is a **TWO-HOUR** objective type test.
2. There are **20** questions in the question paper. Each question carries 5 marks.
3. **Full marks will be awarded for a correct response to a question. No mark will be awarded for an incorrect response to a question or for not attempting a question. There is no partial marking.**
4. Answer **all** questions. Please use a **pen** to write the answer.
5. Please report just the answer against the question number printed on the other side of this answer sheet. See example on the next page.
6. Each question has exactly **one** correct answer. **No mark will be awarded if more than one answer is given to a question.**
7. If you wish to change an answer just strike it off with your pen and then write your new answer legibly.
8. Submit **ONLY** this answer sheet at the end of the exam.
9. Rough sheets will be provided for rough work. Please **DO NOT** submit rough sheets at the end of the exam.
10. Use of any calculators, protractors, log tables, trigonometric tables is not allowed.

EXAMPLE:

Question: 5. If $2x + 3 = 7$, what is the value of x ?

To answer this question write the value of x against Q5 as shown below.

Q1.	Q11.
Q2.	Q12.
Q3.	Q13.
Q4.	Q14.
Q5. 2	Q15.
Q6.	Q16.
Q7.	Q17.
Q8.	Q18.
Q9.	Q19.
Q10.	Q20.

FOR OFFICE USE ONLY

NUMBER OF CORRECT RESPONSES:

MARKS OBTAINED:

EXAMINER'S SIGNATURE: