

## Instructions to the Contestants

(1) Total time duration of this examination is five hours.

(2) This examination consists of

Question 1 to 5 - 10 marks each -  $10 \times 5 = 50$  marks

Question 6 to 10 - 20 marks each -  $20 \times 5 = 100$  marks

Question 11 to 13 - 50 marks each -  $50 \times 3 = 150$  marks

Total = 300 marks

(3) Inside the envelope you will find

- Question paper in English
- Question paper in your native language (if applicable)
- Table of Constants in English
- Table of Constants in your native language (if applicable)
- A set of Summary Answersheets
- Cover Sheet

(4) Use only black or blue pen for writing. For figures, you may use pencils.

(5) There is no negative marking.

(6) Some marks will be deducted if the final answer is given without detailed solution.

(7) Some marks will be deducted if the final answers have inappropriate number of significant digits, no units or wrong units.

(8) The necessary values of fundamental and astronomical constants should be taken from the Table of Constants provided to you.

(9) Instructions regarding using the answersheets

- For each question a separate Summary Answersheet has been provided. Final answer(s) for each question / each part of the question must be written in the corresponding box in the Summary Answersheet. Write your contestant code and page number on each Summary Answersheet.
- You should also show detailed solution in the blank space provided on each Summary Answersheet. If necessary, you can ask for extra blank sheets from the invigilators.
- Use separate blank sheets for each question.
- Write your contestant code, question number and page number on FRONT side of each blank sheet. Write your contestant code and page number on the BACK side of each blank sheet.
- The page numbers should be continuous, i.e., if you use 20 sheets for the entire examination (including the Summary Answersheets), the page numbers should run from 1 to 40.
- Write only inside the boxed area.
- For the work that you do not want to be evaluated, cross that part out.

(10) At the end of the examination

- On the Cover Sheet, clearly write page numbers for each question.
- Check that you have written your contestant code on all pages.
- Put the Cover Sheet, all Summary Answersheets, blank sheets and rough sheets inside the envelope. You may keep question paper and Table of Constants with you.