

1063139

A-HUF-P-OEA

## MECHANICAL ENGINEERING

### Paper I (Conventional)

Time Allowed : Three Hours

Maximum Marks : 200

#### INSTRUCTIONS

*Please read each of the following instructions carefully before attempting the questions :*

*There are SEVEN questions in the paper.*

*Candidates are required to attempt FIVE questions in all.*

*Question no. 1 is compulsory.*

*Out of the remaining SIX questions, attempt any FOUR questions.*

*The number of marks carried by a question/part is indicated against it.*

*Unless otherwise mentioned, symbols and notations have their usual standard meanings.*

*Assume suitable data, if necessary and indicate the same clearly.*

*Neat sketches are to be drawn to illustrate answers, wherever required.*

*All parts and sub-parts of a question are to be attempted together in the answer book.*

*Attempts of questions shall be counted in sequential order. Unless struck off, attempt of a question shall be counted even if attempted partly.*

*Answers must be written in ENGLISH only.*

*Any page or portion of the page left blank in the answer book must be clearly struck off.*

*Values of constants which may be needed :*

*Universal gas constant  $R = 8.314 \text{ kJ/kg mole-K}$ .*

*For air  $R = 0.287 \text{ kJ/kg-K}$ ,  $C_p = 1.005 \text{ kJ/kg-K}$ ,*

*$\gamma = 1.4$ ,  $M = 28.97 \text{ kg/kg-mole}$*

# Mechanical Engineering Paper I Upsc

**Yan Bai**



## **Mechanical Engineering Paper I Upsc:**

## Reviewing **Mechanical Engineering Paper I Upsc**: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is truly astonishing. Within the pages of "**Mechanical Engineering Paper I Upsc**," an enthralling opus penned by a very acclaimed wordsmith, readers attempt an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve to the book is central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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