

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

Dr. Manish Rannjan (IAS)



Mechanical Engineering Paper I Upsc:

Mechanical Engineering Paper I Upsc Book Review: Unveiling the Magic of Language

In a digital era where connections and knowledge reign supreme, the enchanting power of language has become more apparent than ever. Its power to stir emotions, provoke thought, and instigate transformation is truly remarkable. This extraordinary book, aptly titled "**Mechanical Engineering Paper I Upsc**," published by a highly acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound effect on our existence. Throughout this critique, we will delve into the book's central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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