# यांत्रिक इंजीनियरी / MECHANICAL ENGINEERING

प्रश्न-पत्र I / Paper I

विद्यारित समय : तीन घंटे

Time Allowed: Three Hours

अधिकतम अंक : 250

Maximum Marks: 250

## प्रश्न-पत्र सम्बन्धी विशेष अनुदेश

कृषया प्रश्नों के उत्तर देने से पूर्व निम्नलिखित प्रत्येक अनुदेश को ध्यानपूर्वक पहें :

इसमें आठ प्रश्न हैं जो दो खणड़ों में विभाजित हैं तथा हिन्दी और अंग्रेज़ी दोनों में छपे हुए हैं।

परीक्षाची को कुल पाँच प्रश्नों के उत्तर देने हैं।

प्रस्न संख्या 1 और 5 अनिवार्य हैं तथा बाकी प्रश्नों में से प्रत्येक खण्ड से कम-से-कम एक प्रश्न चुनकर किन्हीं सीन प्रश्नों के उत्तर दीजिए। प्रत्येक प्रस्त/भाग के अंक उसके सामने दिए गए हैं।

प्रश्नों के उत्तर उसी प्राधिकृत माध्यम में तिस्त्रों जाने चाहिए जिसका उद्धेख आपके प्रवेश-पत्र में किया गया है, और इस माध्यम का स्पष्ट उद्धेख प्रश्न-सह-उत्तर (क्यू.सी.ए.) पुस्तिका के मुख-पृष्ठ पर निर्दिष्ट स्थान पर किया जाना चाहिए। प्राधिकृत माध्यम के अतिरिक्त अन्य किसी माध्यम में लिखे गए उत्तर पर कोई अंक नहीं मिलीं।

प्रश्न का उत्तर देने के लिए यदि कोई पूर्वधारणाएँ बनाई गई हों, तो उन्हें स्पष्ट रूप से निर्दिष्ट कीजिए।

जहाँ आवश्यक हो, आरेखों व चित्राकृतियों को, प्रश्न का उत्तर देने के लिए दिए गए स्थान में ही बनाइए।

जब तक उद्विखित न हो, संकेत तथा शब्दावली प्रचलित मानक अथाँ में प्रयुक्त हैं।

प्रश्नों के उत्तरों की गणना क्रमानुसार की आएगी। यदि काटा नहीं हो, तो प्रश्न के उत्तर की गणना की आएगीं वाहे वह उत्तर अंशतः दिवा गया हो । प्रश्न-सह-उत्तर (क्यू.सी.ए.) पुस्तिका में खाली छोड़ा हुआ पृष्ठ वा उसके अंश को स्पष्ट रूप से काटा जाना चाहिए।

#### **Question Paper Specific Instructions**

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

There are EIGHT questions divided in TWO SECTIONS and printed both in HINDI and in ENGLISH.

Candidate has to attempt FIVE questions in all.

Questions no. I and 5 are compulsory and out of the remaining, any THREE are to be attempted choosing at least ONE question from each section.

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

Answers must be written in the medium authorized in the Admission Certificate which must be stated clearly on the cover of this Question-cum-Answer (QCA) Booklet in the space provided. No marks will be given for answers written in a medium other than the authorized one.

Wherever any assumptions are made for answering a question, they must be clearly indicated.

Diagrams/Figures, wherever required, shall be drawn in the space provided for answering the question itself.

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

Attempts of questions shall be counted in sequential order. Unless struck off, attempt of a question shall be counted even if attempted partly. Any page or portion of the page left blank in the Question-cum-Answer (QCA) Booklet must be clearly struck off.

# **Mechanical Engineering Paper**

**LL Leslie** 



#### Adopting the Song of Term: An Emotional Symphony within Mechanical Engineering Paper

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