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Number

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IV Semester Diploma Examination, May 2011

MECHANICAL ENGINEERING BOARD

MACHINE DESIGN & THEORY OF MACHINES

Time : 3 Hours]

[Max. Marks : 100

- Notes : (1) Question No. – 1 is compulsory.
 (2) Answer any two full questions from Sections – II, III & IV.
 (3) Missing data may be suitably assumed.

SECTION – I

1. (a) Fill in the blanks : 5 × 1 = 5
- (i) Shaft with collars at both ends fitted in a circular hole is _____ pair.
- (ii) Two shafts A and B are of the same material. Diameter of A is twice as that of B. The power transmitted by the shaft A will be _____ times that of by Shaft B.
- (iii) The frictional torque transmitted in a flat pivot bearing considering uniform pressure is _____.
- (iv) The size of the cam depends upon _____.
- (v) The power transmitted by a belt is maximum when the maximum tension is equal to _____ times the centrifugal tension.
- (b) Sketch and explain elliptical trammel. 5

SECTION – II

2. (a) Define the following : 4
- (i) Kinematic pair
- (ii) Structure
- (b) Differentiate machine and structure. 4
- (c) Explain with neat sketch, the Oldham's coupling. 7

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Mechanical Engineering Question Papers

G Orfield



Mechanical Engineering Question Papers:

Mechanical Engineering Nquestion Papers Book Review: Unveiling the Power of Words

In some sort of driven by information and connectivity, the power of words has are more evident than ever. They have the ability to inspire, provoke, and ignite change. Such may be the essence of the book **Mechanical Engineering Nquestion Papers**, a literary masterpiece that delves deep in to the significance of words and their affect our lives. Published by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we shall explore the book is key themes, examine its writing style, and analyze its overall affect readers.

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