

Diploma in Engineering (Polytechnic)
Second Semester Examination, June-2021
Applied Mechanics [DE2106]
Branch-EC/ME

Time: 3:00 Hrs**Max Marks 70**

Note : Question no. 1 is compulsory. Attempt any five questions from Q.2 to Q.8
 Student should not write anything on question paper.

नोट : प्रथम प्रश्न हल करना अनिवार्य है। प्रश्न क्र. 2 से 8 तक में किन्हीं पांच का उत्तर देना अनिवार्य है। विद्यार्थी प्रश्नपत्र पर कुछ लिखें नहीं।

Q.1 Multiple choice Question / वस्तुनिष्ठ प्रश्न –

[2x5=10]

- (i) A The unit of force in S.I. units is- / S.I. इकाइयों में बल की इकाई है -
 (a) Kilogram / किलोग्राम (b) Newton / न्यूटन
 (c) Watt / वाट (d) Dyne / डाइन

- (ii) The unit of work or energy in S.I. units is -
 S.I. इकाइयों में कार्य या ऊर्जा की इकाई है-

- (a) Newton / न्यूटन (b) Pascal / पास्कल
 (c) Kilogram meter / किलोग्राम मीटर (d) Joule / जूल

- (iii) The unit of power in S.I. units is- / एसआई इकाइयों में शक्ति की इकाई है-

- (a) Newton meter / न्यूटन मीटर
 (b) Watt / वाट
 (c) Joule / जूल
 (d) Kilogram meter/sec/ किलोग्राम मीटर / सेकंड

- (iv) Forces are called concurrent when their lines of action meet in-
 बलों को समवर्ती कहा जाता है जब उनके कार्यवाही की लाइनें में मिलते हैं -

- (a) One point / एक बिंदु
 (b) Two points / दो अंक
 (c) Plane / विमान
 (d) Perpendicular planes / लम्बवत विमान

- (v) Forces are called coplanar when all of them acting on body lie in-
 जब सभी को ई. फोर्स को कोपलानर कहा जाता है उन्हें शरीर पर अभिनय करना झूठ लगता है

- (a) One point / एक बिंदु (b) One plane / एक विमान
 (c) Different planes / विभिन्न विमान (d) Perpendicular planes / लम्बवत

विमान

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Table of Contents Polytechnik 1th Paper S

1. Understanding the eBook Polytechnik 1th Paper S
 - The Rise of Digital Reading Polytechnik 1th Paper S
 - Advantages of eBooks Over Traditional Books
2. Identifying Polytechnik 1th Paper S
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Polytechnik 1th Paper S
 - User-Friendly Interface
4. Exploring eBook Recommendations from Polytechnik 1th Paper S
 - Personalized Recommendations
 - Polytechnik 1th Paper S User Reviews and Ratings
 - Polytechnik 1th Paper S and Bestseller Lists
5. Accessing Polytechnik 1th Paper S Free and Paid eBooks
 - Polytechnik 1th Paper S Public Domain eBooks
 - Polytechnik 1th Paper S eBook Subscription Services
 - Polytechnik 1th Paper S Budget-Friendly Options
6. Navigating Polytechnik 1th Paper S eBook Formats

- ePub, PDF, MOBI, and More
 - Polytecnik 1th Paper S Compatibility with Devices
 - Polytecnik 1th Paper S Enhanced eBook Features
7. Enhancing Your Reading Experience
- Adjustable Fonts and Text Sizes of Polytecnik 1th Paper S
 - Highlighting and Note-Taking Polytecnik 1th Paper S
 - Interactive Elements Polytecnik 1th Paper S
8. Staying Engaged with Polytecnik 1th Paper S
- Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Polytecnik 1th Paper S
9. Balancing eBooks and Physical Books Polytecnik 1th Paper S
- Benefits of a Digital Library
 - Creating a Diverse Reading Collection Polytecnik 1th Paper S
10. Overcoming Reading Challenges
- Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Polytecnik 1th Paper S
- Setting Reading Goals Polytecnik 1th Paper S
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Polytecnik 1th Paper S
- Fact-Checking eBook Content of Polytecnik 1th Paper S
 - Distinguishing Credible Sources
13. Promoting Lifelong Learning
- Utilizing eBooks for Skill Development
 - Exploring Educational eBooks
14. Embracing eBook Trends
- Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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