

MECHANICAL MEASUREMENTS & METROLOGY LAB

VIVA QUESTIONS

1. What is measurement?
2. Define metrology.
3. What is least count?
4. What is one Main Scale Division?
5. What is one Vernier Scale Division?
6. How will you find the least count of Floating Carriage micrometer?
7. What is calibration?
8. What are the standards used in calibration of micrometer & Load cell?
9. What is linear measurement?
10. Explain the principle of Load cell.
11. What is strain gauge?
12. Explain the principle of Wheatstone bridge.
13. What is pressure transducer?
14. What is the difference between slip gauge and pitch gauge?
15. What is the difference between Vernier caliper & Gear tooth vernier caliper?
16. What is module?
17. How will you find the module to measure the thickness of the gear tooth?
18. What is the difference between gear and screw thread?
19. Explain how you measure minor and effective diameter.
20. What is the difference between three wire method & two wire methods?
21. What is pitch in micrometer?
22. Write the formulae used to find major, minor & effective dia. in floating carriage micrometer.
23. How you find the wire size to find effective diameter?
24. Explain the principle of optical flat?
25. Optical flat is made up of which material?
26. Which is instrument used to find the effective diameter very accurately?
27. Name the instrument used to find the screw thread parameters.
28. What is error?
29. Mention the two important requirements of measurements.

Measurement Lab Viva

G Orfield



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Table of Contents Measurement Lab Viva

1. Understanding the eBook Measurement Lab Viva
 - The Rise of Digital Reading Measurement Lab Viva
 - Advantages of eBooks Over Traditional Books
2. Identifying Measurement Lab Viva
 - 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 Measurement Lab Viva
 - User-Friendly Interface
4. Exploring eBook Recommendations from Measurement Lab Viva
 - Personalized Recommendations
 - Measurement Lab Viva User Reviews and Ratings
 - Measurement Lab Viva and Bestseller Lists
5. Accessing Measurement Lab Viva Free and Paid eBooks
 - Measurement Lab Viva Public Domain eBooks
 - Measurement Lab Viva eBook Subscription Services
 - Measurement Lab Viva Budget-Friendly Options

6. Navigating Measurement Lab Viva eBook Formats
 - ePub, PDF, MOBI, and More
 - Measurement Lab Viva Compatibility with Devices
 - Measurement Lab Viva Enhanced eBook Features
7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Measurement Lab Viva
 - Highlighting and Note-Taking Measurement Lab Viva
 - Interactive Elements Measurement Lab Viva
8. Staying Engaged with Measurement Lab Viva
 - Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Measurement Lab Viva
9. Balancing eBooks and Physical Books Measurement Lab Viva
 - Benefits of a Digital Library
 - Creating a Diverse Reading Collection Measurement Lab Viva
10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
11. Cultivating a Reading Routine Measurement Lab Viva
 - Setting Reading Goals Measurement Lab Viva
 - Carving Out Dedicated Reading Time
12. Sourcing Reliable Information of Measurement Lab Viva
 - Fact-Checking eBook Content of Measurement Lab Viva
 - 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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 traffic density timings allotted at every junction are fixed

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