

- 5 (a) Discuss any two methods of displacement measurement giving their advantages and disadvantages 10
- (b) Explain the working and construction of 10
- i) Profile projector
- ii) Toolmaker's microscope
- 6 (a) Explain any two non-contact type speed measuring devices. 8
- (b) Explain the method of employing sine bar for angle measurement 6
- (c) Define fit and classify it depending upon the actual limits of hole or shaft. Give examples of each type of it. 6
- 7 (a) Explain the principle of GO and NO-GO gauge 5
- (b) Explain screw thread measurement using Floating Carriage 5
- (c) Write short note on (Any Two) 10
- McLeod Gauge ii) Piezoelectric Accelerometer iii) Auto-Collimator iv) Pyrometer

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