

SECTION-B

Note: Short answer type questions. Attempt any six questions out of Eight questions. (6x5=30)

- Q.11 Explain any three defects with their remedies occurring in measuring instruments.
- Q.12 Explain working of a radiation type pyrometer.
- Q.13 Explain various methods of measuring surface finish.
- Q.14 Differentiate between absorption and transmission type Dynamometer in brief.
- Q.15 Explain various types of thermometers in detail
- Q.16 Explain the working of a micrometer.
- Q.17 Explain the working principle of a simple Galvanometer.
- Q.18 Describe any five factors affecting surface finish

SECTION-C

Note: Long answer type questions. Attempt any one questions out of two questions. (10x1=10)

- Q.19 Explain the construction and working of two float viscometer in detail.
- Q.20 Explain the construction and working of a simple mechanical-optical comparator in detail.

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DVOC (Level-5)

Sem - I / Production Tech.

Subject : Metrology and Measuring Instruments

Time : 2 Hrs.

M.M. : 50

SECTION-A

Note: Very short answer type questions . Attempt all ten question (10x1=10)

- Q.1 What is reflection ?
- Q.2 Define straightness.
- Q.3 What is prime use of manometer?
- Q.4 What is viscosity ?
- Q.5 What is prime use of transducer?
- Q.6 Define Parallelism.
- Q.7 What is Bourdan tube?
- Q.8 Name an instrument for measuring circularity.
- Q.9 What is interference?
- Q.10 What is the RMS value of surface finish produced by simple turning?

(20)

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