

SECTION-C

No. of Printed Pages : 4

Roll No.

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Note: Long answer type questions. Attempt any three questions. 3x10=30

- Q.3 Differentiate between X and R chart giving examples and applications of each?
- Q.4 Show one method of displacement measurement.
- Q.5 What are the methods of measuring taper. Explain with diagram.
- Q.6 What are various types of inspections. Give examples.
- Q.7 Write the procedure for alignment test on milling machines.

6th Sem. / Prod., T&D

Subject : Inspection and Quality Control

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note: Very Short Answer type questions. Attempt any 15 parts. (15x2=30)

- Q.1 a) What is floor inspection?
b) What is interchangeability?
c) What is the purpose of inprocess inspection?
d) What is pilot piece inspection?
e) What is UCL upper control limit?
f) Interference fit.
g) Define limits?
h) Inductance transducer.

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- i) What is standard deviation?
- j) What are standards?
- k) Define gauge.
- l) What is plug gauge?
- m) Define cage inspection.
- n) Define straightness.
- o) What are control charts?
- p) Define parallelism.
- q) Define frequency.
- r) Define ISO.
- iv) Write note on height gauge.
- v) Explain normal distribution.
- vi) What are the factors influencing quality of manufacture.
- vii) Draw and explain the function of try square.
- viii) Explain mechanical comparators.
- ix) Explain planning of inspection.
- x) Plot frequency distribution of 5 components with 50, 53, 54, 45, 51 mm dia.
- xi) Explain use of slip gauges in measurement of centre distance between two points.
- xii) What is maximum material condition?
- xiii) Difference between national and company standards?
- xiv) What is bevel protector.
- xv) Write short note on sine bar.

SECTION-B

Note: Short answer type questions. Attempt any ten parts 10x4=40

- Q.2
- i) Explain outside calliper with example.
 - ii) Explain TQM.
 - iii) What are international codes.

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