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00054633

Questions should be —
 WRITTEN IN LEGIBLE HANDWRITING IN BLACK INK.
 SIGNS, SKETCHES OR FIGURES IF ANY BE DRAWN IN NEAT BLACK INK,
 so as to avoid mistakes in the printed question papers.

Duration ... 2 1/2 Hours.

Total Marks assigned to the paper ... 75 ..

Q. No.

N.B. :

Answer Keys

Marks

Q1 A) State True or false

- 1) False
- 2) True
- 3) True
- 4) True
- 5) True
- 6) False
- 7) True
- 8) False
- 9) False
- 10) True

Q1 B) Match the following

- 1) Fishbone Analysis — Dr Kaoru Ishikawa
- 2) TOM — Participative Problem Solving
- 3) Cost of Poor Quality — Internal & External Failure
- 4) 3M'S — lean Manufacturing
- 5) DMADV — Creation of New Product
- 6) TAGUCHI — Quality Engineering

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- 7) ISO 9000 - Quality Management System Standards.
- 8) MBNQA - Recognize US companies.
- 9) Deming Prize - Japanese National Quality Award.
- 10) Green Production - Environmental Friendly.

~~Q2 A) Any eight differences between Intermittent and Continuous Production systems.~~

~~B) Any seven principle of a good Plant layout.~~

OR

~~Q2 A) Any eight differences between Job and Mass Production System.~~

~~B) Meaning & any two characteristics, adv. & disadv. of~~

Q2 A) Meaning of Product. And eight stages of Product development.

B) Meaning and five objectives of Production Management.

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OR

Q2 A) Meaning and any two characteristics, advantages and limitations of Batch Production -

B) Any seven functions of a Production manager -

Q3 A) Definition of Quality. Three points each of objectives and quality management.

B) Meaning of Productivity and its two types with formulae.

OR

Q3 A) Meaning of Quality Circle and its five objectives

B) meaning of Quality Management and its few importance.

Q4 A) ~~Meaning of TQM, explanation to all four pillars of TQM.~~

~~B) Explanation to all seven QC Tools.~~

~~OR~~

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Q. No.

- Q4 A) Meaning of lean thinking. And explanation to the 3M's of lean.
B) Kaizen - Importance and Meaning.

OR

- Q4 A) Meaning of TQM. Explanation to all four pillars of TQM.
B) Explanation to all 7 QC tools.

- Q5 A) All the requirements necessary for ISO 14000.

- B) Explanation to Deming Application Prize.

OR

Q5. Short notes (any three)

- 1) Brainstorming
- 2) Batch Production
- 3) Delphi Technique
- 4) KANBAN
- 5) Product layout.