

BACHELOR OF TECHNOLOGY (C.B.C.S.) (2014 COURSE)
B.Tech.Sem - VIII MECHANICAL :SUMMER- 2022
SUBJECT : TOTAL QUALITY MANAGEMENT

Day : Wednesday
Date : 22-06-2022

S-17936-2022

Time : 02:30 PM-05:30 PM
Max. Marks : 60

N.B.:

- 1) All questions are **COMPULSORY**.
 - 2) Figures to the right indicate **FULL** marks.
 - 3) Assume suitable data if necessary.
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Q.1 Define Quality; also explain new philosophy of Quality. **(10)**

OR

Q.1 Define Total quality management, state its principles. **(10)**

Q.2 Explain the quality assurance with its inputs, process, output state its benefits. **(10)**

OR

Q.2 a) What is the significance of feedback for quality assurance? **(05)**

b) What is the internal customer approach? **(05)**

Q.3 a) What is 5S concept? State its benefits and limitations. **(05)**

b) Explain the supplier selection on the basis of supplier's merit rating. **(05)**

OR

Q.3 Describe the concept of KAIZEN with neat sketch of KAIZEN umbrella. **(10)**

Q.4 a) What is quick change and set up reduction methods? **(05)**

b) What is Total productive maintenance? **(05)**

OR

Q.4 Explain the following related to lean production **(10)**

- i) Poka-Yoke Technique
- ii) Visual management

Q.5 Discuss the concept of quality standards with its types and benefits. **(10)**

OR

Q.5 Describe ISO 9000 and its equivalent series with its working, merits applications. **(10)**

Q.6 a) What is signal to noise ratio? **(05)**

b) What do you mean by parameter design and tolerance design? **(05)**

OR

Q.6 Explain the KANBAN system with its working, merits and applications. **(10)**