



(Following Paper ID and Roll No. to be filled in your Answer Book)

PAPER ID : 161853

Roll No.

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B. Tech.

(SEM. VIII) THEORY EXAMINATION, 2014-15
PROCESS CONTROL IN SPINNING

Time : 3 Hours]

[Total Marks : 100

Note : Attempt all questions. All question carry equal marks.

1 Attempt any two part of following :

- (a) Explain the importance and scope of process control in spinning.
- (b) Discuss important consideration while evolving a system of process control spinning.
- (c) How will you control mixing quality and cost in spinning process ?

2 Attempt any two part of following :

- (a) Explain the control of waste and cleaning in Blow Room.
- (b) How the control of yarn realization is done in spinning process ?
- (c) Discuss process control in carding process.

- 3** Attempt any two part of following :
- (a) What do you understand by the productivity of the spinning mill ? Explain the ways and means to measure and improve the productivity of a spinning mill.
 - (b) How the control of comber waste is carried Out?
 - (c) How can we control the end breakage rate in spinning process?
- 4** Write short note on any two of the following :
- (a) Impact of machine condition on yarn quality.
 - (b) Effect of control of waste and cleaning in carding process on yarn quality.
 - (c) Control of variability of yarn strength.
- 5** Attempt any one part of following :
- (a) Explain the cause and remedies with in bobbin count variation and between the bobbin count variations.
 - (b) Discuss control of yarn unevenness and imperfections.
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