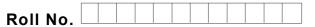
www.FirstRanker.com

www.FirstRanker.com



Total No. of Pages : 02

Total No. of Questions : 09

FirstRanker.com

B.Tech. (Ind. Engg. & Mgt.) (Spl. in TQM) (Sem.–7) SIX SIGMA

Subject Code : IEM-701

M.Code: 71695

Time: 3 Hrs.

Max. Marks : 40

INSTRUCTIONS TO CANDIDATES :

- 1. Attempt All EIGHT questions from SECTION-A carrying TWO marks each.
- 2. Attempt any SIX questions out of EIGHT from SECTION-B carrying FOUR marks each.

SECTION-A

ercon

1. Answer briefly :

- a. Define sigma and write its defects.
- b. Write the project selection essentials.
- c. Write different sampling strategies.
- d. How to identify the patterns through data analysis?
- e. What do you understand by "should be" process map?
- f. What is process control system?
- g. Define Innovative principle.
- h. Name the best practices in Six Sigma.

SECTION-B

- 2. Explain the themes of Six Sigma.
- 3. How to build a SIPOC diagram, take a suitable example.

1 M-71695



www.FirstRanker.com

- 4. What are the different measurement methods? Discuss the validate measurement system (MSA).
- 5. Write note on :
 - a. Cause and effect diagram
 - b. Relations diagram
- 6. Discuss the structured design of experiments.
- 7. How you will verify the results of changes and improvements? Discuss the ways to monitor the improvements.
- 8. Discuss the phases of Design for Six Sigma (DFSS).
- 9. Compare the six sigma and ISO 9000 series.



NOTE : Disclosure of Identity by writing Mobile No. or Making of passing request on any page of Answer Sheet will lead to UMC against the Student.