Paper / Subject Code: 53401 / Total Quality Strategy

B.E. SEM VIII / PROD / CBSGS / NOV 2018 / 20.11.2018

Time: 3 Hours Total Marks: 80 Note: 1) Q. No. 1 is compulsory 2) Attempt any three from the remaining question. 3) Support your answer with Flow charts, block diagram, figures wherever required. 4) Numbers in bracket to right hand side indicates the marks. Q. No. 1 COMPULSORY (a) Concurrent Engineering (05)(b) Juran's Triology (05)(c) Supplier selection (05)(d) Process Capability & Capability Index (05)Q. No. 2 (a) For customer delight – Innovation is inevitable, Explain the concept with KANO's mode (10) (b) Explain process control by variable and process control by attribute with suitable application examples of each. (10)Q. No. 3 (a) For A4 size bond paper, with diagram explain the push - pull view of supply chain and its upstream and downstream supplier with stages of supply. (10)(b) For zero defect in world class manufacturing Lean philosophy is considered as a foundation. Discuss. (10)Q. No. 4 (a) How you will find sporadic problem and chronic problem? What methods you will use to control the problem (10)(b) What are the principles of TQM? Differentiate between old and new culture of TQM (10)

Q. No. 5

(a) Explain voice of customer and QFD. What are the elements and matrix relationship for QFD? Explain with structure (10)

(b) Product quality increases when cost increases – justify the statement right or wrong using cost of quality (10)

Q. No. 6 Write short note $(05 \times 04=20)$

- (a) OC Curve
- (b) Benchmarking
- (c) Mission and Vision statement
- (d) Durability

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