

TE/In sem-140

T. E. (Instrumentation & Control)(2012 course) (In-Sem.)

**Subject: Instrument and System Design**

**Marking Scheme & Solution**

- Q.1 a) two points of comparison - 2 mark each  
b) BCG matrix diagram = 2 marks, explanation = 4 marks,
- Q.2 a) BSC diagram = 2 marks, explanation = 4 marks,  
b) role of manager = 4 marks
- Q.3 a) in detail role of R&D = 6 marks  
b) environmental management system = 4 marks
- Q.4 a) introduction to SPC = 3 marks, advantages = 2 marks  
b) merging can be used. Give example and explain- 5 marks
- Q.5 a) inventory meaning = 2 marks, benefits = 4 marks  
b) EOQ = 400 units -4 marks,
- Q.6 a) introduction to Supply Chain, its management and benefits = 2 marks  
b) outsourcing = 1 mark, need = 2 marks, advantages & disadvantages = 3 marks