QUESTION BANK

MODULE 1

1. What are the attributes of good software? Explain also list and explain the key challenges facing software engineering.
2. Explain with the block diagram, the system engineering process.
3. Distinguish between functional and non-functional requirements. With block diagram, explain the non-functional requirement types.
4. Define software, software engineering and software process
5. Give software requirement document (IEEE standard)
6. Explain requirement validation technique? Explain briefly
7. Write Boehm's spiral model of the software process and explain
8. With the neat diagram explain waterfall model.
9. Explain briefly the techniques of requirement discovery
10. What is requirement elicitation and analysis? Explain the different process activities involved.
11. Write short note on ethnography.
12. Explain data flow model with the example of insulin pump
13. Define software engineering? Explain the different types of software products.
14. Define and distinguish between the system reliability and availability
15. List and explain all FAQs about software engineering.

MODULE 2

1. What is object orientation? Explain OO themes
2. Define objects, class, multiplicity, link and association with examples.
3. Explain three models used in object oriented modelling and design
4. Explain association end names, ordering and bag and sequence with example.
5. What is OO development? Explain object oriented themes briefly
6. Define model. Describe the relationship among three models
7. What is generalization? Discuss generalization with example
8. Explain with example qualified association and association class
9. Explain object orientated development, object oriented methodology and object oriented themes
10. With a neat diagram, explain class model of windowing system
11. What is association end? What are the properties of association end?
12. Define objects, classes, class diagram, values and attributes and operation and methods.