Q.2 a. What are the differences between internal and external users of a system? Give examples. (8)

Answer: Page 9 of Text Book

b. Describe the four building blocks of the COMMUNICATION goal for an information system. (8)

Answer: Page 55 of Text Book

Q.3 a. Explain the essential phases of system development. For each phase describe its purpose, inputs and outputs. (10)

Answer: Page 76 of Text Book

b. What are the various automated tools available for system development? (6)

Answer: Page 107 of Text Book

Q.4 a. What is Model-Driven Analysis? Why is it used? What is the major focus of structured analysis? (9)

Answer: Page 161 of Text Book

b. Why is the decision analysis phase needed? What are some ways to identify Candidate Solutions? (7)

Answer: Page 192 of Text Book

Q.5 a. What are the three components used in Use-Case diagram? What is their purpose? (6)

Answer: Page 246 of Text Book

b. What are the six criteria in the Use-Case ranking and priority matrix? What is Use-Case dependency diagram and why do we use it? (10)

Answer: Page 260 of Text Book

Q.6 a. What are the five high-level tasks involved in Conducting System design for a development project to be built-in-house? (8)

Answer: Page 453 of Text Book

b. What is prototyping? Explain some of the benefits of prototyping? (8)

Answer: Page 448 of Text Book

Q.7 a. What are the basic steps involved in the User Interface design? How should the interfaces handle errors? (8)

Answer: Page 635 of Text Book

b. Explain some of the important human engineering factors that should be incorporated into user interface design. (8)

Answer: Page 616 of Text Book

Q.8 a. What are main activities of Object Oriented Design? **(8)**
Answer: Page 651 of Text Book

b. What are Design Patterns? Explain any two Design Patterns. **(8)**
Answer: Page 668 of Text Book

Q.9   a. Why is system maintenance necessary? What are the tasks needed for system maintenance? **(8)**
Answer: Page 706 of Text Book

b. What are some of the tasks suggested in technical support? Why will system enhancement occur? **(8)**
Answer: Page 710 of Text Book

TEXT BOOK

Systems Analysis and Design Methods, Jeffrey L Whitten, Lonnie D Bentley, Seventh Edition, TMH, 2007