

PG-407

PGDSM-01

**P.G. DIPLOMA EXAMINATION —
JUNE, 2018.**

Software Quality Management

**FUNDAMENTALS OF INFORMATION
TECHNOLOGY**

Time : 3 hours

Maximum marks : 75

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Differentiate between system software and application software.
2. Draw a diagram highlighting functional components of computer and label the same. Brief the various components.
3. Mention the various applications of CASE tools.
4. Write a short note on Internet capabilities.
5. Compare and contrast the functionalities of Repeaters, Routers.

6. Mention any two real-time application software and brief them with their applications.
7. Discuss about retrieval on the Internet.

PART B — ($5 \times 10 = 50$ marks)

Answer any FIVE questions.

8. Explain about memory hierarchy in detail.
9. List out the types of operating system and explain any two operating system in details.
10. Explain the server software in network operating system.
11. Brief the features, advantages and drawbacks of various network topologies with suitable real time examples.
12. Write in short about important milestones in the evolution of computer systems and also brief the limitations of such type of computer system.
13. What is HTML? Discuss the structure of a HTML document in detail.
14. Explain about the functions of Bridges.