

References

Reg. No. :

D 2131

Q.P. Code : [D 07 PCS 01]

(For the candidates admitted from 2007 onwards)

M.Sc. DEGREE EXAMINATION, MAY 2013.

First Year

Computer Science

ADVANCED COMPUTER ARCHITECTURE

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

(5 × 20 = 100)

1. (a) Explain the trends used towards parallel processing. (10)
- (b) With neat diagram discuss the basic uniprocessor architecture. (10)
2. (a) Discuss the abstractions of RAM. (12)
- (b) Write down some basic definitions of matrix multiplication problems. (8)

8. (a) Explain the computer organizations of SIMD. (10)
- (b) Discuss about the masking and data routing mechanisms. (10)
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Q.P. Code : [D 07 PCS 02]

(For the candidates admitted from 2007 onwards)

M.Sc. DEGREE EXAMINATION, MAY 2013.

First Year

Computer Science

COMPUTER GRAPHICS AND MULTIMEDIA

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

(5 × 20 = 100)

1. (a) Explain the basics of raster scan systems. (10)
(b) Discuss the Bresenham's line algorithm. (10)
2. (a) Explain the various composite transformations. (15)
(b) Briefly describe the Interactive picture construction techniques. (5)
3. (a) Discuss the various facts of polygon surfaces. (15)
(b) Explain the depth buffer method. (5)

4. (a) Discuss the places where to use multimedia. (10)
(b) Write a brief note on searching for words and Hypermedia structures. (10)
 5. (a) Explain the basics of color. (15)
(b) Discuss the basic concept of computer animation. (5)
 6. (a) Explain any five input devices. (10)
(b) Discuss the basics of Graphics Software. (10)
 7. (a) Briefly describe the Cohen-Sutherland line clipping. (10)
(b) Explain some input functions. (10)
 8. (a) Illustrate some broadcast video standards. (5)
(b) Explain the principles of animation. (15)
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Q.P. Code : [D 07 PCS 03]

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M.Sc. DEGREE EXAMINATION, MAY 2013.

First Year

Computer Science

SOFTWARE ENGINEERING

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

All questions carry equal marks.

(5 × 20 = 100)

1. (a) Give a brief note on the software myths and its realities.
(b) Describe the various activities in the process frame work.
2. Explain in detail about the agile process model.
3. Elaborate on the Object Oriental Hypermedia Design method applied for the web engineering process.

4. Give an overview of testing process in Web Apps.
 5. Write the significance of SCM : Explain the various elements of SCM.
 6. (a) What is a quality? Explain the different quality concepts. (10)
(b) Describe the process of identifying risk in the risk management. (10)
 7. Explain the clean room strategies and the functional specifications of clean room approach.
 8. Give a detailed note on the following :
 - (a) Reverse Engineering. (15)
 - (b) Restructuring. (5)
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D 2134

Q.P. Code : [D 07 PCS 04]

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M.Sc. DEGREE EXAMINATION, MAY 2013.

First Year

Computer Science

COMPUTER NETWORKS

Time : Three hours

Maximum : 100 marks

Answer any FIVE questions.

(5 × 20 = 100)

1. (a) Explain the various technologies of Ethernet. (15)
(b) Write a note on Interconnection through IP routers. (5)
2. (a) Discuss the RARP in detail. (10)
(b) Explain the various resolution methods. (10)
3. (a) Illustrate the usage of Internet datagram. (15)
(b) Write a note on internet architecture and philosophy. (5)

4. (a) Explain in detail about user datagram protocol. (15)
 - (b) Discuss the properties of the Reliable delivery Service. (5)
 5. (a) Explain the properties of TELNET protocol. (10)
 - (b) Discuss the features and process model of FTP. (10)
 6. (a) Write a note on remote procedure call. (5)
 - (b) Discuss about mail retrieval and mailbox manipulation protocols and electronic mail. (15)
 7. (a) Explain about FDDI. (10)
 - (b) Discuss the basic technology of ARPANET. (10)
 8. (a) With suitable example explain the Internet addressing authority. (10)
 - (b) Explain the ARP protocol format and implementation. (10)
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