

वर्धमान महावीर खुला विश्वविद्यालय, कोटा

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Internal Assignment



M.Sc. Final (Computer Science)

प्रिय छात्र,

आपको **M.Sc. Final (Computer Science)** के पाठ्यक्रम के विभिन्न प्रश्न पत्रों के सत्रीय कार्य दिए जा रहे हैं। आपको प्रत्येक प्रश्न पत्र के दिए गए सत्रीय कार्य करने हैं। इन्हें पूरा करके आप निर्धारित अंतिम तिथि से पूर्व अपने क्षेत्रीय केंद्र /अध्ययन केंद्र (जहाँ पर आपने प्रवेश लिया है) पर स्वयं अथवा पंजीकृत डाक से आवश्यक रूप से भिजवा दें। प्रत्येक सत्रीय कार्य **20** अंकों का है। इन प्राप्तांकों को आपकी सत्रांत परीक्षा के अंकों में जोड़ा जायेगा। सत्रीय कार्य स्वयं की हस्तलिपि में करें। सत्रीय कार्यों का पुनर्मूल्यांकन नहीं होता है और न ही इन्हें सुधारने हेतु दुबारा स्वीकार किया जाता है। अतः आप एक बार में ही सही उत्तर लिखें। आप संलग्न निर्धारित प्रपत्र पर वांछित सूचना भरकर सत्रीय कार्य के साथ संलग्न करें।

Internal Assignment-2014

Paper Code – MscCS-07 (Data Structure and Algorithms)

Max Marks: 20

Note: The Question paper is divided into three sections A, B, and C. Write Answer as per the given instruction.

Section-A

(Very Short Answer Type Questions)

Note: Answer all questions. As per the nature of the question you delimit your answer in one word, one sentence or maximum up to 30 words. Each question carries 1mark.

4x1=04

- Q1. What is data?
- Q2. What is meant by array?
- Q3. What is data structure?
- Q4. Name the various types of arrays?

Section-B

(Short Answer Questions)

Note: Answer any 2 questions. Each answer should not exceed 200 words. Each question carries 4 marks.

2x4=08

1. What is need of data structure
2. What is the difference between static and dynamic data structure?
3. Give the algorithm for insertion and deletion in array
4. List the advantages and disadvantages of arrays?

Section 'C'

(Long Answer Questions)

Note: Answer any one question. You have to delimit your each answer maximum up to 800 words. Each question carries 08 marks.

- Q.1 How to select a suitable data structure?
- Q.2 How is 2-D arrays represented in memory?

Internal Assignment-2014

Paper Code – MscCS-08 (Computer Architecture and Micro Processor)

Max Marks: 20

Note: The Question paper is divided into three sections A, B, and C. Write Answer as per the given instruction.

Section-A

(Very Short Answer Type Questions)

Note: Answer all questions. As per the nature of the question you delimit your answer in one word, one sentence or maximum up to 30 words. Each question carries 1mark. 4x1=04

- Q.1 _____ performs arithmetic and logic operations?
- Q.2 How many buses are used to interconnect the CPU, memory and I/O devices?
- Q.3 What are the parts of Instruction format?
- Q.4 Why are transfer of control instructions needed?

Section-B

(Short Answer Questions)

Note: Answer any 2 questions. Each answer should not exceed 200 words. Each question carries 4 marks. 2x4=08

- Q.1 What is the purpose of System Bus?
- Q.2 How floating point operations perform?
- Q.3 Explain overlap register window ?
- Q.4 What is the difference between the microprogramming and hardwired control?

Section 'C'

(Long Answer Questions)

Note: Answer any one question. You have to delimit your each answer maximum up to 800 words. Each question carries 08 marks.

- Q.1 Describe combinational and sequential ALU in brief?
- Q.2 What are the main principles used to construct a RISC machine ?

Internal Assignment-2014

Paper Code – MscCS-09 (Software Engineering)

Max Marks: 20

Note: The Question paper is divided into three sections A, B, and C. Write Answer as per the given instruction.

Section-A

(Very Short Answer Type Questions)

Note: Answer all questions. As per the nature of the question you delimit your answer in one word, one sentence or maximum up to 30 words. Each question carries 1mark. 4x1=04

Q:1 What is software engineering?

Q:2 What is the primary goal of software engineering?

Q:3 Software is _____, it is not manufactured.

Q:4 How many types of software myths are in software engineering?

Section-B

(Short Answer Questions)

Note: Answer any 2 questions. Each answer should not exceed 200 words. Each question carries 4 marks. 2x4=08

Q:1 What are the characteristics of good software?

Q:2 What are the qualities of good software?

Q:3 What are the various principles of software engineering?

Q:4 What do u mean by modularity & abstraction?

Section 'C'

(Long Answer Questions)

Note: Answer any one question. You have to delimit your each answer maximum up to 800 words. Each question carries 08 marks.

1. Explain the various characteristics of software.
2. What are the various software myths in software engineering?

Internal Assignment-2014

Paper Code – MscCS-10 (Operating System)

Max Marks: 20

Note: The Question paper is divided into three sections A, B, and C. Write Answer as per the given instruction.

Section-A

(Very Short Answer Type Questions)

Note: Answer all questions. As per the nature of the question you delimit your answer in one word, one sentence or maximum up to 30 words. Each question carries 1mark. 4x1=04

1. Write the definition of operating system.
2. What is the main goal of operating system?
3. Which program is responsible for interfacing between the user and computer hardware?
4. What is parallel or multi processing system?

Section-B

(Short Answer Questions)

Note: Answer any 2 questions. Each answer should not exceed 200 words. Each question carries 4 marks. 2x4=08

1. Describe the different types of operating system.
2. What are the differences between CUI and GUI?
3. What is system calls? Give one example of system calls.
4. Differentiate between uni-programming and multiprogramming

Section ‘C’

(Long Answer Questions)

Note: Answer any one question. You have to delimit your each answer maximum up to 800 words. Each question carries 08 marks.

Q.1 What is operating system? Define all the types of operating system?

Q.2 What are the various services provided by the operating system?. Describe them.

Internal Assignment-2014

Paper Code – MscCS-11 (Data Communication and Networks)

Max Marks: 20

Note: The Question paper is divided into three sections A, B, and C. Write Answer as per the given instruction.

Section-A

(Very Short Answer Type Questions)

Note: Answer all questions. As per the nature of the question you delimit your answer in one word, one sentence or maximum up to 30 words. Each question carries 1mark. 4x1=04

1. What is Computer Network?
2. Who created the first wide area network?
3. What is network?
4. What is network architecture?

Section-B

(Short Answer Questions)

Note: Answer any 2 questions. Each answer should not exceed 200 words. Each question carries 4 marks. 2x4=08

1. What are the advantages of network ?
2. What is network architecture? Describe in brief.
3. How many types of network strategies? Define each in brief.
4. Define the data communication terminology?

Section 'C'

(Long Answer Questions)

Note: Answer any one question. You have to delimit your each answer maximum up to 800 words. Each question carries 08 marks.

1. Describe the different mode of data transmission?
2. Describe optical fiber cable in detail?