

FAKIR CHAND COLLEGE

INTERNAL EXAMINATION SEMESTER- IV , 2021

SUBJECT :COMPUTER SCIENCE

PAPER : CMS-A-CC-4-8-TH

F.M : 30

(Answer any five questions)

- | | |
|---|-----|
| a) What is the difference between LAN, MAN and WAN ? | 6 |
| b) What are the application of networking ? What is Client Server Model ? | 3+3 |
| c) Briefly describe diff. types of multiplexing. | 6 |
| d) Discuss the Nyquist data rate and Shannon's capacity ? | 3+3 |
| e) Explain the properties of 7 layer OSI reference model ? | 6 |
| f) What are the services of data link layer ? discuss the types of Errors handling in data link layer ? | 3+3 |
| g) Write short notes on i) Hub, ii) Modem. | 3+3 |

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SUBJECT : **COMPUTER SCIENCE**

PAPER : **CMS-A-CC-4-9-TH**

F.M : 30

(Answer any five questions)

- | | |
|---|-------|
| a) Definition of Algorithm ? characteristic of Algorithm ? | 2+4 |
| b) Explain Iterative and recursive algorithm. | 3+3 |
| c) Discuss Big-O and Big-theta notation. | 3+3 |
| d) What is Greedy method ? What are the components of greedy Method ? Define Optimization Problem | 2+2+2 |
| e) Write the algorithm of Binary Search based on Divide and conquer method. | 6 |
| f) Discuss Prime's Algorithm. | 6 |

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PAPER : **CMS-A-CC-4-10-TH**

F.M : 30

(Answer any five questions)

- | | |
|---|-------|
| a) Briefly describe the three 8085 microprocessor addressing modes. | 2+2+2 |
| b) Explain the Instruction Formats of 8085 microprocessor ? | 6 |
| c) What is 8085 microprocessor interrupt ?
What is INTR ? what is EI and DI instruction ? | |
| d) Explain the 8085 vectored interrupt ? | 6 |
| e) Draw the Timing diagram for execution of IN instruction
Instruction : IN 80H
Code for IN : DBH | 6 |
| f) Discuss the Conditional Flags of 8086 microprocessor ? | 6 |

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SUBJECT :**COMPUTER SCIENCE**

PAPER : **CMS-A-SEC-B-4-2-TH**

F.M : 30

(Answer any five questions)

- a) What are the applications of E-commerce ? What are the Technical Components of E-commerce ? 2+2+2
- b) What is EDI ? What are the applications of EDI ?
What are the limitation of EDI ? 2+2+2
- c) describe the three types of electronic payment system : 2+2+2
i. Credit Card System
ii. Electronic cash
iii. Electronic fund transfer
- d) What is the Linking objectives to business strategies ?
What is the strategies for developing E-commerce web-sites ? 3+3
- e) What are the seven stages of internet marketing e-cycle ? 6
- f) Write Pros and cons of online shopping ? 3+3