Shri Vaishnav Polytechnic College, Indore (MP)

Department of Computer science and Engineering

IVth Semester

midsem exam (Progressive) / Assignment No:1

Note:

1. Last date for sending the answers is **24/03/2020**.
2. **student must submit in their own hand writing indicating Name and Roll Number on the answer sheet and by using CAM – Scanner or Any other application, it must be scanned and covert into pdf, then send the pdf copy of answer on the email-id of concern subject teachers, given in corresponding question paper**

Subject: Linux and shell programming (403)

Send the answer-sheet on: versha.matre@gmail.com

Attempt any five questions only

1. What is Linux? Difference between UNIX and LINUX?
2. What are the basic components of Linux? Advantage of open source?
3. What is Linux Kernel?
4. What is X-window system? Explain Elements of X-window system.
5. What are the basic components of Linux?
6. Which are the Shells used in Linux?
7. What is the difference between BASH and DOS?
8. Explain file permission in Linux.
9. Explain Linux principles
10. Explain Linux File system? What are i-node and process id?
11. Which are the Linux Directory Commands (any 5)?

Or

Short Notes:

1. How to copy a file in Linux?
2. How to terminate a running process in Linux?
3. How to rename a file in Linux?
4. How to see the list of mounted devices on Linux?
5. How would you delete a directory in Linux?
6. How to identify which shell you are using?

Subject: Microprocessor & Interface (404)

Send the answer-sheet on: wadnerkar1612@gmail.com

Q.1 a) Draw the Internal block diagram of 8085 Microprocessor?

Or

b) Draw the IC Pin diagram of 8085 Microprocessor?

Q.2 a) What is Flag? Explain different types of flags provided in 8085 Microprocessor?

or

b) Explain difference between Microprocessor & Microcomputer?

Q.3 a) Draw the timing diagram of fetch cycle and explain it's process?

Or

b) Explain de-multiplexing process of address/data bus using ALE signal?

Or

Q.4 a) Explain what is I/O Mapped I/O and Memory mapped I/O scheme?

Or

b) Draw memory map of 2K byte of memory if starting address is 0000H?

Subject: Entrepreneurship (411)
Send the answer-sheet on: Rachna.nagdev@gmail.com

Attempt any five questions only

Ques.1) Explain the concept of Entrepreneurship?
Ques.2) "Development of Entrepreneurship is development of country" explain the statement?
Ques.3) Explain at least 8 qualities of a successful entrepreneur?
Ques.4) Discuss government policies for promotion of small scale industry?
Ques.5) Discuss advantage and disadvantage of cottage industry?
Ques.6) Classify list of various forms of business organization?
Ques.7) Write short note on: - (any three)

- **(i)** Difference between Partnership and Proprietorship
- **(ii)** Types of Industry
- **(iii)** Difference Between Public and Private company
- **(iv)** Types of Entrepreneur
- **(v)** Women Entrepreneur

Subject: Database Management (402)
Send the answer-sheet on: ankilkhushbu@gmail.com

All are compulsory

Q1 Differentiate File management and DBMS.
Q2 Explain types of database modals.
Q3 what is database language. Explain types of database language.
Q4. Explain DBMS architecture.

Subject: COMPUTER NETWORK (401)
Send the answer-sheet on: navanit_choudhury@rediffmail.com

Attempt any five:

1. What is a Network? Explain a Node and Link
2. What is Network Topology? Name the different types of network topologies and brief their advantages?
3. What are the layers in OSI Reference Models? Describe each layer briefly.
4. Explain different Ethernet with diagrams?
5. Draw the figure of IEEE 802.3 frame (MAC frame) and give details of it.
6. Explain TCP/IP Model