

Roll No.

Total No. of Pages : 02

Total No. of Questions : 07

Bachelor of Science (Data Analytic) (Sem.-5)

**COMPUTER NETWORK**

Subject Code : UGCA1913

M.Code : 94087

Date of Examination: 23-11-2023

Max. Marks : 60

Time : 3 Hrs.

**INSTRUCTIONS TO CANDIDATES :**

- SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
- SECTION-B contains SIX questions carrying TEN marks each and students have to attempt any FOUR questions.

**SECTION-A**

- Write short notes on :
  - What is digital transmission?
  - Write about use of Modem.
  - Differentiate between LAN and WAN.
  - Write the use of optical fiber.
  - Define Distortion.
  - Discuss PPP protocol.
  - What is need of Addressing?
  - Write a short note on congestion control policies.
  - Discuss TCP/UDP.
  - Define concept of Cryptography.

**SECTION-B**

- What are the different topologies in networks? Write their advantages.
- Discuss multiplexing.
  - Compare message switching with packet switching.
- What do you mean by Routing? Explain the concept of shortest path routing.
- What are the responsibilities of the data link layer? How it is used for error detection and correction?
- Explain the IEEE Token Bus and Ring standards used in computer networks.
- What is the purpose of Application Layer? Discuss the protocols used in this layer.



**NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.**

Roll No.

Total No. of Pages : 02

Total No. of Questions : 07

Bachelor of Science (Data Analytic) (Sem.-5)  
**LINUX OPERATING SYSTEM**  
Subject Code : UGCA2021

M. Code : 94092

Date of Examination : 28-11-2023

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTIONS TO CANDIDATES :**

- SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
- SECTION-B contains SIX questions carrying TEN marks each and students have to attempt any FOUR questions.

**SECTION-A**

**1. Write briefly:**

- What is KDE?
- What are aliases?
- What are pipes in Linux?
- Write any command for managing file.
- Give rules for naming variable.
- Which command is used to create a new directory in Linux?
- Discuss FTP.
- Give concept of super user.
- What are network services in Linux?
- What is the need of Backup management?

**SECTION - B**

- Describe the basic structure of the Linux Operating System.
- What is the use of vi editor? Write about its commands.
- What is the role of shells in the Linux environment? Explain its types.
- Explain how files are managed by Linux Administration?
- Which office and database application is commonly used on Linux software management?
- What are some common control statements used in shell scripting?



**NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.**

Roll No.

Total No. of Pages : 02

Total No. of Questions : 07

Bachelor of Science (Data Analytic) (Sem.-5)  
WEB DESIGNING

Subject Code : UGCA1927  
M.Code : 94080

Date of Examination:17-11-2023

Time : 3 Hrs.

Max. Marks : 60

**INSTRUCTIONS TO CANDIDATES :**

- SECTION-A is COMPULSORY consisting of TEN questions carrying TWO marks each.
- SECTION-B contains SIX questions carrying TEN marks each and students have to attempt any FOUR questions.

**SECTION-A**

1. Explain the following :

- HMTL
- Footer
- Test styles
- Unordered List
- Border
- ROWSPAN
- Hyperlink
- CSS
- Object
- Loop.

**SECTION-B**

- Define web server and its use. Also explain web client and web browser.
- Explain the structure of HTML web page with example.
- How we can and graphics to HTML document? Explain the use of alt attribute.
- Differentiate between submit button and reset button in forms.
- Describe different types of operators and loops in Java script.
- Define functions. Also discuss function call, function parameters and function clouser.



**NOTE : Disclosure of Identity by writing Mobile No. or Marking of passing request on any paper of Answer Sheet will lead to UMC against the Student.**