

GANDHI P.R. COLLEGE, BHOPAL  
Assignment-2020-21  
M.Sc.-III(CS) SEM  
Linux & shell Programming  
Paper-I

- Q.1 What is PCB? What are the contents of Process control block?  
Explain in brief.
- Q.2 Write about following disk scheduling algorithms  
(A) FCFC (B) SCAN
- Q.3 Describe the architecture of Linux system with a suitable layer diagram.
- Q.4 Discuss on all permissions defined for owners assigned to every files and directory in Linux system with examples.
- Q5 What is shell scripting? Write steps for creating a shell script in Linux.

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Assignment-2020-21  
M.Sc.-III (New)(CS) SEM  
Compiler Design  
Paper-II

- Q.1 Define NFA. How will you convert a NFA to DFA? Give example.
- Q.2 What is compiler? Explain the features of a good compiler. Give comparison between interpreter and compiler.
- Q.3 What is Tokens ? Explain the attributes for tokens.
- Q.4 Explain the following-
- a- Bottom up parsing.
  - b- Top down parsing
- Q5 Discuss the contents of a symbol table.

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Assignment-2020-21  
M.Sc.-III (New) (CS) SEM  
Programming skills with Java  
Paper-III

- Q.1 Define the features of Java? Describe the data types in Java?
- Q.2 What is Packages and interface write about importing package and standard Java Packages?
- Q.3 Short notes on -  
a- Thread class                      (b) Networking class
- Q.4 Discuss AWT Controls with suitable examples in Java.
- Q5 a- Discuss about INT technology  
b- What are Java Beans.

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Assignment-2020-21

M.Sc.-III (New)(CS) SEM

Data Warehousing and Mining

Paper-IV

- Q.1 What is need for data warehouse explain it? Also discuss about data extraction and data transformation.
- Q.2 Write about the classification of Data Mining System.
- Q.3 Explain different kinds of Association Rules.
- Q.4 Short notes on –  
a- Density-Based Methods  
b-Grid-Based Methods
- Q5 Discuss about spatial Data Mining.

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