

**Gurdasidevi Institute of Management and Technology (GIMT)  
(Affiliated with IKG. Punjab Technical University)**

**ASSIGNMENT**

<b>Course</b>	<b>BCA</b>	<b>Semester</b>	<b>5th</b>
<b>Mcode</b>	<b>90317</b>	<b>Subject Code</b>	<b>UGCA1934</b>
<b>Subject</b>	<b>Computer Graphics</b>		

***Answer the following Questions in about 500 words each. (Write Any Three) (Long Questions)***

1. What are random scan displays? Compare and contrast raster scan and random scan displays.
2. Discuss midpoint circle generation algorithm with example.
3. Define Projection. Discuss various types of perspective projection in detail.
4. Explain boundary fill algorithms
5. Differentiate between random scan and raster scan

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<b>Mcode</b>	<b>90314</b>	<b>Subject Code</b>	<b>UGCA1931</b>
<b>Subject</b>	<b>Data Warehouse and Mining</b>		

***Answer the following Questions in about 500 words each. (Write Any Three) (Long Questions)***

1. What is association rule mining? Explain Apriori algorithm in data mining.
2. Define clustering? Why clustering is important in Data Mining? Write its uses.
3. What are different types of Data Mining Techniques? Explain any one in detail?.
4. Explain schema with example
5. Define architecture of data warehouse

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<b>Mcode</b>	<b>90318</b>	<b>Subject Code</b>	<b>UGCA1935</b>
<b>Subject</b>	<b>Linux Operating System</b>		

***Answer the following Questions in about 500 words each. (Write Any Three) (Long Questions)***

1. Explain the Linux system calls and architecture of Linux.
2. Discuss the use of set UID and set GID in Linux.
3. How to add and make partitions in Linux file system?
4. What are various editors available in Linux? Explain any one with its features and modes.
5. Explain installation and un-installation of a new packaging using dpkg and RPM.
6. Compare and contrast pipes and redirections.

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<b>Mcode</b>	<b>90312</b>	<b>Subject Code</b>	<b>UGCA1929</b>
<b>Subject</b>	<b>Programming in PHP</b>		

***Answer the following Questions in about 500 words each. (Write Any Three) (Long Questions)***

1. Describe different data types available in PHP.
2. Explain various math functions used in PHP.
3. Define sorting? Explain are various sorting functions available in PHP.
4. Explain various library functions in PHP. Also, write a program of using text in an image.
5. Define RDBMS. How to create a connection between PHP and MySQL?
6. Define Inheritance. What are its various types supported in PHP?