

Rut Sharma

106030

F2.

EXPERIMENT NO. 06

PAGE NO.:

DATE: / /

USE OF CIVIL ENGINEERING SOFTWARE.

Q1/ What is Autocad?

Ans1/ AutoCad is computer-aided design (CAD) software that empowers architects, engineers and construction professionals to create precise drawings.

With autoCad we can draft, annoti, and design 2D geometry and 3D models with solids, surfaces and mesh objects, Automate tasks like comparing drawings, counting objects, adding blocks, creating schedules and more. Workspaces with add-on-apps and APP's can also be customized.

Q2/ Name the file format used in the design.

Ans2/ DWG is the proprietary native file format for AutoCAD. The format is ~~used~~ maintained by Autodesk.

DWG is a compact binary format that stores and describes the content of 2D and 3D design data and metadata.

Q3/ How can you hide the specific layers when plotting in AutoCad?

Ans3/ To hide the specific layers while plotting, we can use various options like turning off the layers for plotting, freezing the layers and turning off. Turning off for plotting will show the layers on the screen but won't output on printing. The layers that are turned off will hide the layers and also it will not appear ~~on~~ on the screen.

Q4/ Write application of Autocad and Microsoft Project in different field of Engineering.

Ans 4/ Applications of Autocad:

Architectural drawing of all kinds, Interior design and facility training, drawing of electronic, civil, chemical, mechanical etc. Topographic maps and nautical charts.

Application of Microsoft project:

Designed to assist a project manager, developing a schedule, assigning resources to a task, managing budget, analysing workbooks.

Q5/ List out the categories of tasks used in MS project?

Ans 5/ Tasks used in MS projects:

- (i) fixed units
- (ii) Fixed work
- (iii) fixed duration.

Q6/ Mention what is the characteristics of Gantt Chart Basics?

Ans 6/ A Gantt Bar represents a task graphically. It shows the task duration. It can show the type of task, such as a critical task or a milestone. Bars can also represent planned and actual start dates, percent of tasks completed, planned and actual finish dates, slack time and many more concepts.

Q7/ What activity can we do in MS project?

Ans: Scheduling, planning, resource allocation, progress tracking and presenting tools are some activities which can be performed in MS project. It is ideal for project manager as well.

Q8/ Write the difference between MS project and Primavera.

Ans:

MS Project		Primavera	
i/	It supports parallel baselines	i/	It supports unlimited baselines
ii/	It does not allow multiple users to work on a single project	ii/	It allows multiple users to work on a single project
iii/	It lacks the feature of project issues and risk tracking	iii/	It allows issue and risk recording.
iv/	It does not allow to calculate other expenses	iv/	It allows adding different project expenses like training cost, travelling cost in addition to project expenses.