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Software Engineering

**Question one**

1. **State six disadvantages of Computer Aided Design**
2. Improper use of blocks and layers make updating and modification of the drawings a cumbersome task for another person.
3. Every new release of the CAD software, operator has to update their skills.
4. Most popular CAD software are high priced for individuals.
5. Work is prone to viruses
6. Work can be lost because of the sudden breakdown of computers
7. Time and cost of training the staff which will work on it
8. **State the use of each of the following terminologies in AutoCAD**
9. **Filename-** It the identifier of the specific file containing work in AutoCAD. The filename extension is
10. **Search Bar** use to search specific menu commands, basic tooltips, and Command prompt text strings.
11. **Ribbon-** ribbon organizes tools into logical groupings, it provides a compact palette of all of the tools necessary to create or modify your drawing.
12. **Tabs-** provides an easy way for you to access all the open drawings in the application.
13. **Panels-** are used to add, rearrange and remove commands or controls.
14. **Indicate the Name, Keystroke, Location and the Result of the following icons as used in AutoCAD:**

(i) Name: Erase

Keystroke: E

Location: Modify tab.

Result: Deletes a selected object or objects.

(ii) Name: Print

Keystroke: PR

Location: Quick access toolbar

Result: Prints out the drawing in PDF format

1. **Write the command line history to draw Figure Question 1(d) in AutoCAD using the line tool, starting from the coordinate point (0,0) and in the anticlockwise direction. Use fillet and chamfer commands for corner A and B respectively. Do not indicate dimensioning and lettering history.**

Command: LINE

Specify first point: 0,0

Specify next point: @70,0

Specify next point: @0,15

Specify next point: @15<45

Specify next point: @10<135

Specify next point: @15<225

Specify next point: @10<135

Specify next point: @15<45

Specify next point: @10<135

Specify next point: @15<225

Specify next point: @-10,0

Specify next point: @0,-10

Specify next point: @-5,0

Specify next point: @0,10

Specify next point: @-20,0

Specify next point: @0,-20

close

command: CIRCLE

Specify center: 32.5, 15

Specify radius: 10

**Question Two**

b)

