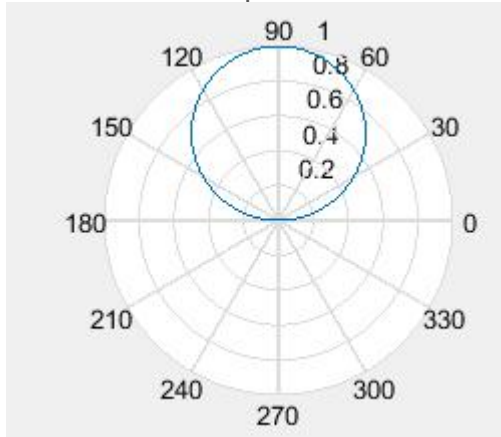


1. Find the error in the following code.

```
x=-10:1:10; y=-10:2:10; plot(x,y)
```

- a) Plot is not available in MATLAB
- b) Syntax of plot is wrong
- ☒ c) Length of x and y should be same
- d) No error

2. What kind of a plot is this?



- ☒ a) Polar plot
- b) Cartesian plot
- c) Complex plot
- d) Not a MATLAB plotting

3. What will be the output of the following code?

```
T=-5:1:5; y=sin(T); plot(T,y)
```

- a) No output
- ☒ b) A perfect sine curve
- c) A broken sine curve
- d) Cannot be determined

4. Global variables must be mentioned \_\_\_\_\_ an M-file.

- ☒ a) at the top in
- b) anywhere in
- c) out of the M-file
- d) there is nothing called global variables

5. Which of the following is NOT a valid plotting command in MATLAB:

- A) Figure
- B) Plot
- ☒ C) Prod
- D) Print

6. Which command is suitable to change the axes of the graph plotted?

- a) axes
- ☒ b) axis
- c) yxaxes
- d) no command

7. Which command gives a title to the graph plotted by MATLAB?

- a) plot() generates the title itself
- ☒ b) title()
- c) xlabel()
- d) heading()

8. Which command enables a title for the x-axis?

- ☒ a) xlabel()
- b) horilabel()
- c) xlabel[]
- d) no command

9. What is the output of the following code?

```
t=0:0.001*pi:pi/2;plot(t,sin(t),*);
```

- a) An inverted sine curve
- ☒ b) A sine curve
- c) A point
- d) Error

10. What is the output of the following code?

```
t=0:.001*pi:2*pi;plot(cos(t),sin(t))
```

- ☒ a) A rectangular
- b) A straight line
- c) A unit circle
- d) A sinusoid

11. Which command can be used to generate multiple graphs in the same window?

- ☒ a) hold on
- b) wait
- c) not possible without contour command
- d) not possible

12. What is the output of the following code?

```
t=linspace(0,3*pi);p=sin(t);y=cos(t);plot(t,p,t,y);
```

- a) Error
- ☒ b) Multiple plots
- c) A unit circle
- d) A sinusoidal

13 . GUIDE stores GUIs in two files:

- a ).m file and .mdl
- ☒ b ) .mfile and .fig file
- c).mdl and .fig file
- d ).mdl and .m file

14. Which of the following is NOT a valid component palette in GUI :

- a) push button
- b ) edit text
- ☒ c) static text
- d) floor

15. Which of the following is NOT a valid function name in MATLAB:

- a ) ali
- b ) salam2
- ☒ c ) 2 ahmed
- d ) falih

16. Which command is suitable to change the axes of the graph plotted?

- ☒ a) axes
- b) axis
- c) yxaxes
- d) no command

19. What is the name of a primary function?

- ☒ a) Name of M-file
- b) Name of Script File

- c) Name of Help file
- d) Name of Private-File

20. Variables need to have same name while being passed from the primary function to the sub-function.

- a) True
- ☒ b) False

21. Variables need to have same name while being passed from the primary function to the sub-function.

- a) True
- ☒ b) False

1. What is the name of a primary function?

- ☒ a) Name of M-file
- b) Name of Script File
- c) Name of Help file
- d) Name of Private-File

2. Variables need to have same name while being passed from the primary function to the sub-function.

- a) True
- ☒ b) False

22. What is the output in the following code?

```
x=-10:1:10; y=-10:1:10; axis('off'); plot(x,y)
```

- a) Error
- b) A graph will be shown without axes
- ☒ c) A graph will be shown with axes
- d) 2 graphs will be shown- one with axes and with no axes

9. What is use of abs function in Matlab?

- A. returns the square root of number.
- ☒ B. returns magnitude of a number.
- C. returns power of number
- D. None of these

11. Which command is suitable to change the axes of the graph plotted?

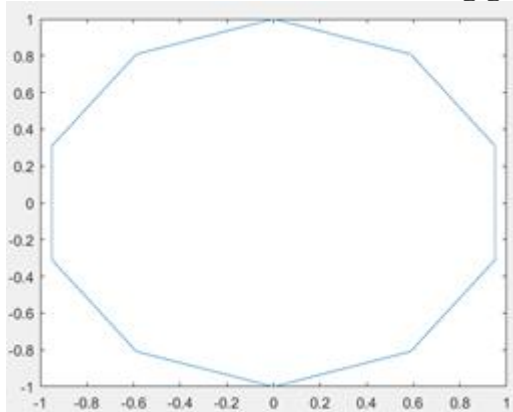
- a) axes
- ☒ b) axis

- c) `yxaxes`
- d) no command

12. In a 2-d Plot, which command will make the axes of the graph same?

- a) `axis square`
- b) `axis equals`
- c) `axes square`
- d) `axes equal`

How can we smoothen the following graph of  $\sin(t)$  and  $\cos(t)$  into a circle?



- a) reduce the gap between linearly spaced elements of the dependent variable  $t$
- b) reduce the gap between elements of the dependent variable  $t$
- c) increase the gap between linearly spaced elements of the dependent variable  $t$
- d) increase the gap between elements of the dependent variable  $t$