Program: B.Tech (CS/BS)   Year: IV   Semester: VII

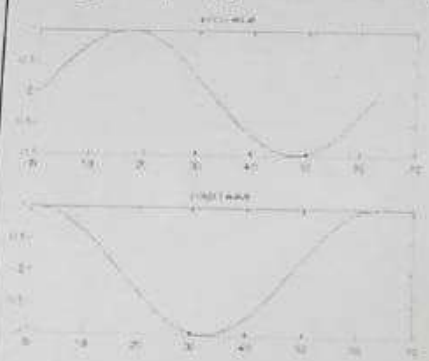Subject: IT Workshop Scilab / Matlab   Time: 3PM to 4PM

Date: 29-09-22   No. of Pages: 1

Marks: 20

Test-II [SET-B]

Q1.	a.	Explain **edit** command with suitable example	2
	b.	Explain H1 line and help text in function anatomy	2
	c.	Use the linspace function to define x as a vector of 150 values between 0 to 10. Define y as cosine values of x. Create a 2D plot of the cosine curve. Change the line color to blue and add title and axis labels to graph.	3
	d.	Using Subplot, plot the following sine wave and cos wave:	3
Q2.	CO1, CO 2	Write a script that will prompt the user for a quiz grade and error-check until the user enters a valid quiz grade. The script will then echo print the grade. For this case, valid grades are in the range from 0 to 10 in steps of 0.5. Do this by creating a vector of valid grades and then use **any** or **all** in the condition in the **while** loop.	5

Q3.	CO1, CO2	Write a script areaMenu that will print a list consisting of "cylinder", "circle", and "rectangle". It prompts the user to choose one, and then prompts the user for the appropriate quantities (e.g., the radius of the circle) and then prints its area. If the user enters an invalid choice, the script simply prints an error message. The script should use a nested **if-else** statement to accomplish this.	5