TY-IT

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Mid Semester Examination – Sept./Oct. 2019

Course: B. Tech in Information Technology **Sem: V**

Subject Name: Data Visualisation(Elective IV) **Subject Code: BTITPE506E**

Max Marks: 20 **Date:- 23/09/2019** **Duration:- 1 Hr.**

Instructions to the Students:

1. Assume suitable data wherever necessary and mention it clearly.
2. Figures to right indicate full marks.

		(Level/CO)	Marks
Q. 1	**Attempt following.**		**1 X 6**
	1. The size( ) command specifies_____ and _____ of window.	CO3	
	(A). Width and Height (B). X and Y coordinates		
	(C). Start and End points (D). Length and Breadth		
	2. The attribute which are accepted by map() command are.	CO3	
	(A). (start1, stop1, start2, stop2, value) (B). (value, start1, stop1, start2, stop2)		
	(C). (value, start2, stop2, start1, stop1) (D). (value, start1, start2, stop1, stop2)		
	3. For which step we "Improve the basic representation to make it clearer and more visually engaging".	CO2	
	(A). Parse (B). Filter (C). Represent (D). Refine		
	4. The processing command for drawing a ellipse of size 55x55 is.	CO3	
	5. Which of the following is true about setup() and draw() blocks.	CO3	
	(A). The setup( ) block runs once, and the draw( ) block runs repeatedly.		
	(B). The setup( ) can be used for any initialization; draw( ) block is used to handle animation.		
	(C). There can only be one setup() function for each program; draw() is called automatically and should never be called explicitly.		
	(D). All of the above.		

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6. Which of the following is not true about processing? CO3

(A). Processing is based on Java (B). You need to pay to use Processing.

(C). A Processing program is called a sketch. (D). Processing support advanced features, such as drawing with OpenGL.

Q.2 Solve Any Two of the following. **3 X 2**

(A) Explain seven steps of data visualization. CO1

(B) Explain the roles of setup() and draw() block in processing environment. CO3

(C) Explain the general process of screen-scrapping. CO4

Q. 3 Solve Any One of the following. **8 X 1**

(A) Write the processing code for displaying data as scatter plot. Assume suitable data. CO2

(B) Explain with the help of example, how to use regular expression for parsing the data. CO4

***** End *****