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	<p align="center">PES University, Bengaluru (Established under Karnataka Act No. 16 of 2013)</p>	<p align="center">UE20CS906</p>
<p>April 2022: END SEMESTER ASSESSMENT (ESA) M TECH DATA SCIENCE AND MACHINE LEARNING_ SEMESTER I UE20CS906 - Data Visualization using Tableau</p>		
	Answer All Questions	Max Marks: 100

INSTRUCTIONS		
<ul style="list-style-type: none"> All questions are compulsory. Please enter your Name and SRN number at the beginning of the .twbx file. The compressed file contents to be uploaded on Olympus should strictly be a .twbx file. Any other file types will not be considered and evaluated 		
SECTION A – 30 MARKS		
1	a)	<p>Using the video game dataset, understand the data variable description and answer the following questions accordingly.</p> <p>a) Create a word cloud on genre and annotate the top 2 genres in which video games are produced. (3 marks)</p> <p>b) Find the top publishers with highest global sales. (2 Marks)</p> <p>c) Create a single visualization showing Top N of platforms with a number of different genres. Use a parameter to customize the input. (5 marks)</p>
	b)	<p>a) Using a single appropriate visualization, compare the sales across different sales categories and find the following</p> <p>i) Find the platform with highest sales.</p> <p>ii) Find the average line of the sales across different categories(EU sales, JP sales etc.) (15 Marks)</p> <p>b) Create a bubble chart displaying the global sales on different genres. (5 Marks)</p> <p>c) Using the video game dataset, find out the following</p> <p>i) Create a boxer plot graph on total global sales and genre. (5 Marks)</p> <p>ii) Using the top genre with highest global sales, display the year wise global sales on that genre. Also plot the trendline and forecast on the visualization. (5 marks)</p>

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SECTION B – 20 MARKS			
2	a)	<p>Create a dashboard with following visualization element</p> <ul style="list-style-type: none"> a) Display a filter for choosing the year (5 mark) b) Display the filter for choosing the publisher. The filter should be drop down list (5 marks) c) Create a visualization displaying the genre and global sales in percentage. Create action filter to use it has master filter for dashboard (5 marks) d) Create a visualization displaying rank on sales across EU, JP, NA and others (5 marks) e) Create a bar chart displaying the sales percentage across the Globe, EU,JP , NA and others (10 marks) 	30
SECTION C – 30 MARKS			
3	a)	a) Create a storyboard using the video game dataset. Explain your insights through story points. (Minimum of 10 Insights) (30 marks)	30