

**Note: Attempt all questions**

<b>S. No</b>	<b>Question</b>	<b>Marks</b>
	1(a). Suppose you want to purchase some Electronic items such as (1) A New LED TV (2) A New Washing Machine and a Refrigerator. (3) Some Kids Cloths (4) Some Home decoration items.  Write a Script for shopping of all the above mentioned items from the BIGBAZZAR, specifying all the slots of scripts. (b) Draw a Conceptual Dependency Representation of the following: While going college, I saw a Horse. Mary ate ice cream with a Spoon.	[3+2]
2	(a). List component of an Expert System. Differentiate between AI & Expert System. Give an Example of an Expert System which is used to determine type & degree of lung cancer in a patient.  (b). Briefly Discuss Case- Based Reasoning.	[3+2]
3	(a) Compare Deep Learning with Machine Learning on the following parameters. <ul style="list-style-type: none"><li>• Feature Extraction.</li><li>• Data Dependency.</li></ul> (b) List some major differences between RNN & LSTM with their applications. <div style="text-align: center;">OR</div> List some major features of DC- IGN with its application.	[3+2]