


		<b>Reg. No.:</b>	
		<b>Name :</b>	
<div style="text-align: center;">  <div style="display: inline-block; vertical-align: middle;"> <b>VIT<sup>®</sup></b>  <b>BHOPAL</b>  <a href="http://www.vitbhopal.ac.in">www.vitbhopal.ac.in</a> </div> </div>			
<b>Mid-Term Examinations – November 2021</b>			
Programme	:	<b>B Tech</b>	Semester
Course	:	<b>Fundamentals in AI and ML</b>	Code
Faculty	:	<b>Dr. M. Maragatharajan</b>	Slot/ Class No.
Time	:	<b>1 ½ hours</b>	Max. Marks
<b>Answer all the Questions</b>			
<b>Q.No.</b>	<b>Sub. Sec.</b>	<b>Question Description</b>	<b>Marks</b>
1		Consider an automatic parcel picking robot in an airport. What are the PEAS components need for it? Also explain, how do you estimate the performance of it?	<b>10</b>
2		For the automatic cars, what type of agent is that? You brief the agent type with appropriate block diagrams. Also compare that with remaining agent types.	<b>10</b>
3		Compare the Uninformed search and Informed search by considering your own real time example.	<b>10</b>
4		Illustrate the map colouring example using backtracking search.	<b>10</b>
5		Write a short note on Forward chaining.	<b>10</b>
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