DAILY ASSESSMENT FORMAT

Date:	**9th June 2020**	**Name:**	**Poojary Sushant**
Course:	**Cisco**	**USN:**	**4AL18EC400**
Topic:	**What is AI,Machine Learing**	**Semester & Section:**	**6th & 'B,**
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AFTERNOON SESSION DETAILS

Report –

What Is Artificial Intelligence and Machine Learning?

Artificial Intelligence (AI) is the intelligence demonstrated by machines. This is in contrast to natural intelligence which is the intelligence displayed by living organisms.AI uses intelligent agents that can perceive their environment and make decisions that maximize the probability of obtaining a specific goal or objective. AI refers to systems that mimic cognitive functions normally associated with human minds such as learning and problem solvingSome of the tasks that currently are deemed to require a degree of AI are autonomous cars, intelligent routing in content delivery networks, strategic game playing, andmilitary simulations.As technology develops, many of the tasks that at one time required AI have become routine. Many of these tasks have migrated from AI to Machine Learning (ML).ML is a subset of AI that uses statistical techniques to give computers the ability to"learn" from their environment. This enables computers to improve on a particular task without being specifically programmed for that task.This is especially useful when designing and programming specific algorithms is difficult or infeasible. Examples of such tasks in computer science include malicious code detection, network intruder detection, optical character recognition, computer

speech recognition, and computer vision.One objective of learning is to be able to generalize based on experience. For machines,this involves the ability to perform accurately on new, previously unseen tasks after gaining experience with a learning data set. The training data set must come from data that is representative of the larger data pool. This data pool enables the machine to build a general model about this data, which would help it make accurate predictionsHow are ML, AI, and IBN Linked?Intent-based networking harnesses the power of automation, AI, and ML to control the function of a network to accomplish a specific purpose, or intentIntent-based networking allows the IT team to specify, in plain language, exactly what they want the network to accomplish and the network makes it happen. The network is able to translate the intent into policies and then use automation to deploy the appropriate configurations required across the network.The intent-based network uses AI and ML to ensure that any services that are deployed meet the required service level. If they do not meet the service level, the intent-based network can make alerts and provide suggestions for improvement. In some cases, the intent-based network can automatically reconfigure the network to comply with the service levels.

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