**FUNDAMENTALS OF AI**

**ASSIGNMENT NO 1**

Q1. Categorize the taking after beneath Information Sciences, Machine Learning, Computer Vision and NLP.

The most recent innovative progressions have made our lives convenient.

Google Domestic, Alexa and Siri have been a gigantic offer assistance to non-tech adroit individuals. Highlights like Facial acknowledgment and Facelock have included extra security to our contraptions. These headways have moreover contributed in making our needs more receptive and helpful. Presently you'll indeed check the costs with Cost comparison websites and arrange foodstuffs online with chatbots. Did you know that you simply can indeed discover how you're attending to see once you develop ancient? Faceapps and Snapchat channels have made this possible!

Q2. Is information which is collected by different applications moral in nature? Legitimize your answer

Q3. Autonomous vehicles or self-driving cars are already a reality in some cities around the world. What was the reason behind this invention? What software logic and hardware are needed to allow these cars to drive without hitting pedestrians or other vehicles? What legislation had to be passed to allow these cars on the road? Are there any moral issues?

Q4. Discuss the latest inventions w.r.t AI enabled machines in the following field of

Health Care

Environment

Agriculture

Q5. Consumers who bought this too bought this…’ we frequently see this when we shop on Amazon. What is the principle behind this phrase?

Q6. COMPLETE THE FOLLOWING

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| **task environm.** | **observable** | **determ./ stochastic** | **episodic/ sequential** | **static/ dynamic** | **discrete/ continuous** | **agents** |
| **crossword puzzle** |  |  |  |  |  |  |
| **chess with clock** |  |  |  |  |  |  |
| **poker** |  |  |  |  |  |  |
| **back gammon** |  |  |  |  |  |  |
| **taxi driving** |  |  |  |  |  |  |
| **medical diagnosis** |  |  |  |  |  |  |
| **image analysis** |  |  |  |  |  |  |
| **partpicking robot** |  |  |  |  |  |  |
| **refinery controller** |  |  |  |  |  |  |