AI-20

Here is the list of frequently used terms in the domain of AI −

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| **Sr.No** | **Term & Meaning** |
| 1 | Agent  Agents are systems or software programs capable of autonomous, purposeful and reasoning directed towards one or more goals. They are also called assistants, brokers, bots, droids, intelligent agents, and software agents. |
| 2 | Autonomous Robot  Robot free from external control or influence and able to control itself independently. |
| 3 | Backward Chaining  Strategy of working backward for Reason/Cause of a problem. |
| 4 | Blackboard  It is the memory inside computer, which is used for communication between the cooperating expert systems. |
| 5 | Environment  It is the part of real or computational world inhabited by the agent. |
| 6 | Forward Chaining  Strategy of working forward for conclusion/solution of a problem. |
| 7 | Heuristics  It is the knowledge based on Trial-and-error, evaluations, and experimentation. |
| 8 | Knowledge Engineering  Acquiring knowledge from human experts and other resources. |
| 9 | Percepts  It is the format in which the agent obtains information about the environment. |
| 10 | Pruning  Overriding unnecessary and irrelevant considerations in AI systems. |
| 11 | Rule  It is a format of representing knowledge base in Expert System. It is in the form of IF-THEN-ELSE. |
| 12 | Shell  A shell is a software that helps in designing inference engine, knowledge base, and user interface of an expert system. |
| 13 | Task  It is the goal the agent is tries to accomplish. |
| 14 | Turing Test  A test developed by Allan Turing to test the intelligence of a machine as compared to human intelligence. |