

**Instructions:**

1. All questions are compulsory
2. The figures against each question indicates full marks.

**Q. 1) Select and write the most correct alternative from those given below each statement.**

- 1) Artificial Intelligence was first coined by \_\_\_\_\_ in 1956 at the Dartmouth Conference. [1]
  - Harold Cohen
  - John McCarthy
  - Alan Turing
  - Isaac Asimov
- 2) In a Python program, the \_\_\_\_\_ statement is used to take input from the user. [1]
  - Input()
  - Logical
  - Tuple
  - Print()
- 3) Narrow AI is designed to perform a \_\_\_\_\_ task. [1]
  - Setting goals
  - Variety
  - Numerical
  - Single
- 4) Ignoring irrelevant details and focusing on the important part is \_\_\_\_\_. [1]
  - Decomposition
  - Abstraction
  - Pattern Recognition
  - Intelligence
- 5) Type of machine learning that process a wider range of data resources requiring less data processing by humans is \_\_\_\_\_. [1]
  - Deep Learning
  - Supervised Learning
  - Unsupervised Learning
  - Reinforcement Learning

**Q. II) Answer the following questions in about 25-30 words each.**

- 1) Define Intelligence? [2]
- 2) What is Robotics? [2]
- 3) Write any two advantages of Artificial Intelligence. [2]
- 4) What is Jupyter Notebook ? [2]

**Q. III) Answer the following question in about 35-40 words.**

- 1) Write any three components of good Artificial Intelligence. [3]

**Q. IV) Answer the following questions in about 50-60 words each.**

- 1) What is the difference between interactive mode and script mode in Python? [4]

OR

State and explain different data types in Python.

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