

SUBJECT – ARTIFICIAL INTELLIGENCE

Time : 1 Hour 30Mins

CLASS – VIII

MAX. MARKS – 40

Tick the correct answer

(7*1=7)

1. Machine with narrow intelligence works in a limited functional area

- a) Text b) Images c) Audio d) All Of These

2. AI is capable to process enormous amount of _____ .

- a) Text b) Images c) Audio d) All Of These

3. A strategy game playing machine is an example of which of the following

- a) Reactive Machines b) Theory Of Mind c) Limited Memory d) Self Awareness

4. What makes humans intelligent is their ability to

- a) Sense b) Think c) Reason d) Read

5. The ability of AI that can be used in voice operated response system is _____ .

- a) Computer visions b) NLP c) Machine Learning d) All of these

6. Reasoning has broadly two types: deductive and

- a) Addictive b) inductive c) logical d) calculative

7. _____ capability of AI helps in analysis of visual data such as images.

- a) Computer visions b) NLP c) Machine Learning d) All of these

True /false

(6*1=6)

1. The biggest challenge is to develop machines that retain knowledge to solve new problems.

2. Self-aware machines are the most intelligent of all.

3. A reactive machine is the most intelligent of all.

4. A nano-bot is a microscopic machine that can be administered in human body.

5. Logical reasoning is the distinct characteristic of animals.

6. AI-based microprocessor are _____ computing.

Match up the following.

(5*1=5)

1. Adaptive learning and smart teaching.

a. Sports

2. AI enabled IVRS.

b. Media/Entertainment

3. Developing better game strategy.

c. E-commerce

4. Comparing items purchased by user.

d. Education

5. Automatic multilingual subtitles.

e. Customer support

Fill in the blanks:

(6*1=6)

1. The ability of a machine to think and _____ is called artificial intelligence.
2. An AI machine is supposed to retain the facts as _____.
3. _____ Machines are most intelligent of all.
4. An AI machine playing a strategy game against human is a _____ machine.
5. Chat engines enabled with AI are called _____.
6. AI-based microprocessors are _____ computing.

Write the answer of following questions.

(6*2=12)

1. What is the basic difference between weak and strong AI?
2. What do you mean by Deep learning?
3. What is Artificial Neural Network?
4. What do you mean by sensing and reasoning?
5. List main capabilities of AI.
6. What do you mean by browser fingerprinting?

7. DEFINE THE APPROACHES OF MACHINE LEARNING. (4*1=4)