

BCM SCHOOL BASANT AVENUE, DUGRI ROAD, LUDHIANA
CLASS-IX
SUBJECT- ARTIFICIAL INTELLIGENCE (417)
ASSIGNMENT
ANSWER KEY

1. **Stress is identified as a condition in which a person is**
A) tensed
B) worried
C) relaxed
D) both (A) and (B)
2. **The internal stress caused by**
A) pent-up worries
B) laziness
C) survival stress
D) experiences
3. **What is 'S' in the 'SMART' method of goal setting?**
A) Smart
B) Special
C) Speed
D) Specific
4. **Self-Reliance means _____**
A) Ability to Work Independently
B) Complete the task effectively
C) Both of the above
D) None of the above
5. **Which of the following functions is not performed using a mouse?**
A) Turn on
B) Hover
C) Right-click
D) Drag and Drop

Q 1) Give an application of computer vision in AI.

Answer: Some applications of Computer Vision in AI are facial lock in smartphones, unusual behavior detection, object classification, etc.

Q 2) Name any three important areas where AI has made a remarkable impact.

Answer: Areas where AI has made a remarkable impact are:

a. Security surveillance b. Education c. Space exploration

Q3) How is Artificial General Intelligence different from Artificial Super Intelligence?

Answer: General AI: It is also termed as General AI. Machines with the following characteristics will fall in this category. Machines that would perform a wider range of different tasks with the intelligence like that of humans. It is a step ahead of Weak AI by including problem-solving, learning and development.

Strong AI: At present, we have not developed any such machines. Worldwide research is now focused on developing machines with strong AI. As these systems are in their research stage, it may take a lot of time and effort to develop these. An example of Strong AI could be a machine hearing "good morning" and deciding to turn on the coffee maker.

Q4) What is Machine learning? List down 5 examples from real life where we experience machine learning.

Machine learning is an application of artificial intelligence (AI) that provides systems the ability to automatically learn and improve from experience without being explicitly programmed. Machine learning focuses on the development of computer programs that can access data and use it learn for themselves. Machine learning is defined as the study of computer based algorithms designed to automatically improve through acquired learning in the form of experience.

- E.g.: Song prediction • Ecommerce predictions while shopping
- Diagnosis of medical issues • Image recognition on social media/ smart phones
- Speech recognition
- Financial services

Q5) Give at least 4 Real life examples of how machines are replacing humans.

These are Switchboard operator

- Lift operator
- Film projectionist
- Bridge toll collector
- Check-out cashier
- Railway station ticket seller
- Factory worker some examples where machines are replacing humans now days