Q.22 Write various factors affecting the equilibrium of Artificial Intelligence and security.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions.   (2x8=16)

Q.23 What do you mean by Artificial Neural Network? Explain various types of Artificial Neural Network.

Q.24 Define Natural Language Processing. Explain its components and challenges in implementing Natural Language Processing.

Q.25 Define Artificial Intelligence. Explain various security relevant properties of Artificial Intelligence with example.

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Subject : Fundamentals of Artificial Intelligence

Time : 3 Hrs.   M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory   (6x1=6)

Q.1 What is the full form of "AI"?
   a) Artificially Intelligent
   b) Artificial Intelligence
   c) Artificially Intelligence
   d) Advanced Intelligence

Q.2 Which of the following is an application of Artificial Intelligence?
   a) It helps to exploit vulnerabilities to secure the firm
   b) Language understanding and problem-solving (Text analytics and NLP)
   c) Easy to create a website
   d) It helps to deploy applications on the cloud

Q.3 Which of the following is/are an advantage(s) of artificial intelligence?
a) Reduces the time taken to solve the problem
b) Helps in providing security
c) Have the ability to think hence makes the work easier
d) All of the above

Q.4 The application/applications of Artificial Intelligence is/are
a) Expert Systems   b)   Gaming
c) Vision Systems   d)   All of the above

Q.5 What are the different types of Artificial Intelligence approaches ?
a) Strong Approach   b)   Weak Approach
c) Applied Approach d)   All of the above

Q.6 Artificial Intelligence is associated with computers of which generation?
a) Second   b)   First
c) Fifth   d)   Third

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory.   (6x1=6)

Q.7 Name two types of Artificial Neural Network.

Q.8 Define Deep Learning.

Q.9 What is the full form of NLP?

Q.10 Give two applications of Computer Vision.

Q.11 Machine Learning helps in the improvement of Artificial Intelligence

Q.12 Expand ML.

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions.   (8x4=32)

Q.13 Give four types of Machine Learning Algorithms.

Q.14 Write a short note on the history of Artificial Intelligence.

Q.15 Define Computer Vision. Give a brief relation of computer Vision with Natural Language Processing.

Q.16 Give a minimum four differences between Machine Learning and Deep Learning.

Q.17 How machine learning helps in improving Artificial Intelligence? Explain in brief.

Q.18 What are activation functions in Artificial Neural Networks?

Q.19 Write four fundamentals in Artificial Intelligence.

Q.20 Define Machine Learning. Give its four Applications.

Q.21 How artificial intelligence helps in health care using robotics? Explain in brief.