



<b>Class: IX</b>	<b>Department: Computer Science</b>	<b>Date:01-09-2023</b>
<b>Worksheet No: 1</b>	<b>ARTIFICIAL INTELLIGENCE</b>	

## CHAPTER 2: AI Project cycle

### Objective Type Questions (1 Mark Each)

- Which one of the following is the second stage of AI project cycle?  
a. Data Exploration      **b. Data Acquisition**      c. Modelling      d. Problem Scoping
- Which of the following comes under Problem Scoping?  
a. System Mapping      **b. 4Ws Canvas**      c. Data Features      d. Web scraping
- Which of the following is not valid for Data Acquisition?  
a. Web scraping      b. Surveys      c. Sensors      **d. Announcements**
- Which of the following is not a part of the 4Ws Problem Canvas?  
a. Who?      b. Why?      c. What?      **d. Which?**
- The stages of the AI project cycle are \_\_\_\_\_.  
a. Problem Scoping & Data Acquisition      b. Data Exploration & Modeling      c. Evaluation      **d. All of the above**
- \_\_\_\_\_ element helps us to understand and categorize who is directly and indirectly affected by the problem.  
**a. Who**      b. What      c. Where      d. Why
- \_\_\_\_\_ section aids us in analyzing and recognizing the nature of the problem.  
a. Who      **b. What**      c. Where      d. Why
- \_\_\_\_\_ elements help to find where the problem arises.  
a. Who      b. What      **c. Where**      d. Why
- \_\_\_\_\_ refers to why we need to address the problem and what the advantages will be for the stakeholders once the problem is solved.  
a. Who      b. What      c. Where      **d. Why**
- \_\_\_\_\_ summarizes all of the important points in one place.  
**a. Problem statement template**      b. Problem statement document  
c. Problem statement file      d. None of the above

11. The method of collecting correct and dependable data to work with is known as \_\_\_\_\_.
- a. Problem Scoping    **b. Data Acquisition**    c. Data Exploration    d. Modeling
12. What is data in AI?
- a. Facts    b. Instruction    c. Information    **d. All of the above**
13. What are the different types of data \_\_\_\_\_.
- a. Structured Data    b. Unstructured Data    **c. Both a) and b)**    d. None of the above
14. If data is easily accessible by humans and program, and easy to read is known as \_\_\_\_\_.
- a. Structured Data**    b. Unstructured Data    c. Both a) and b)    d. None of the above
15. \_\_\_\_\_ data doesn't follow traditional data models and is difficult to read, store and manage.
- a. Structured Data    **b. Unstructured Data**    c. Both a) and b)    d. None of the above
16. \_\_\_\_\_ is a collection of data in tabular format.
- a. **Dataset**    b. Structured Data    c. Unstructured Data    d. None of the above
17. The dataset is divided in two parts \_\_\_\_\_.
- a. Machine dataset & Model dataset    **b. Training dataset & Test dataset**
- c. Gaolable dataset & local dataset    d. None of the above
18. \_\_\_\_\_ dataset is a large dataset that is used for teaching a machine learning model.
- a. Training dataset**    b. Test dataset    c. Both a) and b)    d. None of the above
19. What is the percentage of data utilized in a training dataset?
- a. 50%    b. 20%    **c. 80%**    d. 100%
20. Data that have been clearly identified for use in tests, usually of a computer program is known as \_\_\_\_\_.
- a. Training dataset    **b. Test dataset**    c. Both a) and b)    d. None of the above
21. What is the percentage of data utilized in a test dataset?
- a. 50%    **b. 20%**    c. 80%    d. 100%
22. What are the different reliable sources to collect the data in AI?
- a. Surveys & Web Scraping    b. Sensors & Cameras    c. Observations & API    **d. All of the above**
23. Web Scripting is a technique for collecting \_\_\_\_\_ data from the internet such as news, market research and price tracking.
- a. Structured data    b. Unstructured data    c. Scripting data    d. None of the above
24. We can collect visual data with the help of cameras. This data is \_\_\_\_\_ data.
- a. **Structured data**    b. Unstructured data    c. Scripting data    d. None of the above

25. A device that detects or measures a physical property is called \_\_\_\_\_.
- a. **Sensor**      b. API      c. Observation      d. None of the above
26. An \_\_\_\_\_ is a software interface that enables the interaction between two apps.
- a. Sensor      **b. API**      c. Observation      d. None of the above
27. What is a System Map?
- a. Helps to make relation between multiple element      b. Only one elements will be responsible
- c. Indicate the relationship using + or –      **d. Both a) and c)**
28. Data analysts utilize data visualization and statistical tools to convey dataset characterizations, such as \_\_\_\_\_.
- a. size      b. amount      c. accuracy      **d. All of the above**
29. Data exploration is a technique used to visualize data in the form of statistical methods or using graphs.
- a. Statistical methods      b. Graphical methods      **c. Both a) and b)**      d. None of the above
30. Data Exploration helps you gain a better understanding of a \_\_\_\_\_.
- a. Dataset**      b. Database      c. accuracy      d. None of the above
31. \_\_\_\_\_ helps to represent graphical data that use symbols to convey a story and help people understand large volumes of information.
- a. Dataset      **b. Data visualization**      c. Data Exploration      d. None of the above
32. A machine that work and react like human is known as \_\_\_\_\_.
- a. **Artificial Intelligence**      b. Machine Learning      c. Deep Learning      d. None of the above
33. Machine have an abilities to learn from the experience or data.
- a. Artificial Intelligence      **b. Machine Learning**      c. Deep Learning      d. None of the above
34. It work like structure and function of the brain called artificial neural network.
- a. Artificial Intelligence      b. Machine Learning      **c. Deep Learning**      d. None of the above
35. \_\_\_\_\_ is a program that has been trained to recognize patterns using a set of data.
- a. AI model**      b. Dataset      c. Visualization      d. None of the above
36. Type of AI model are \_\_\_\_\_.
- a. Lesson Based and Rood Based      **b. Learning Based and Rule Based**
- c. Machine Learning and Visualization      d. None of the above
37. \_\_\_\_\_ refers to AI modeling in which the developer hasn't specified the relationship or patterns in the data.
- a. Learning Based**      b. Rule Based      c. Decision Tree      d. None of the above
38. After a model has been created and trained, it must be thoroughly tested in order to determine its efficiency and performance; this is known as \_\_\_\_\_.
- a. Evaluation**      b. Learning      c. Decision      d. None of the above