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**IV Semester B.Sc./B.Com./B.S.S.T. (NEP) Degree Examination, May/June - 2025**  
**COMPUTER SCIENCE**  
**Artificial Intelligence (SEC)**  
**(Regular/Repeater)**

Time : 1 ½ hours

Maximum Marks : 30

**Instructions to Candidates:**

1. Check for complete printing of 30 questions.
2. The last page of the question paper may be used for rough work.
3. Each question has four multiple choice answer and choose the correct one.
4. Darken the appropriate circle with the ball pen.
5. Damaging/overwriting using whitener on the OMR sheets are strictly prohibited.
6. No candidates will be allowed to leave the examination Hall till the end of the session and without handing over his/her answer sheet to the invigilator.
7. Candidates should ensure that the invigilator has verified all the entries and that the invigilator has affixed his/her signature in the space provided on the OMR.

[P.T.O.]



1. Artificial Intelligence is about \_\_\_\_\_
  - A) Playing a game on Computer
  - ☒ B) Making a machine Intelligent
  - C) Programming on machine with your own Intelligence
  - D) Putting your Intelligence in Machine
2. Who is known as the father of AI?
  - A) Fisher Ada
  - B) Alan Turing
  - ☒ C) John McCarthy
  - D) Allen Newell
3. A Technique that was developed to determine whether we are communicating with machine or human being is known as \_\_\_\_\_
  - A) Boolean Algebra
  - B) Turing Test
  - C) Logarithm
  - ☒ D) Algorithm
4. Which is considered the subset of Artificial Intelligence?
  - A) Cyber Forensics
  - ☒ B) Machine Learning
  - C) Network Design
  - D) App Developer
5. You want to use the computer vision Service to identify the location of individual items in an image. Which of the following features should you retrieve?
  - ☒ A) Object detection
  - B) Tags
  - C) Categories
  - D) All of the above



6. The Capability of Software to interpret the World visually through Cameras, Videos and images.
- A) Machine learning
  - B) Anomaly Detection
  - ☒ C) Computer Vision
  - D) None of the above
7. Which of the following technique is used to Extract information from scanned documents such as letters, invoice etc?
- ☒ A) OCR
  - B) OMR
  - C) OTR
  - D) None of the above
8. Match the following technologies on the left to correct descriptions on the right
- | Technology          | Description   |
|---------------------|---|
| i) Clustering       | 1. Predicts a numeric value based on its item feature |
| ii) Regression      | 2. Groups similar items based on its feature          |
| iii) Classification | 3. Assigns items into a set of predefined categories  |
- ☒ A) i-3, ii-1, iii-2
  - B) i-1, ii-2, iii-3
  - C) i-2, ii-1, iii-3
  - D) i-3, ii-2, iii-1
9. A Predictive app provides audio output for visually impaired users. Which principle of responsible AI is reflected here?
- A) Transparency
  - ☒ B) Inclusiveness
  - C) Fairness
  - D) All of the above



10. If a system is trained by labeling the objects then is called

- ☒ A) Supervised Machine Learning
- B) Unsupervised Machine Learning
- C) Self Learning
- D) None of the above

11. How do you visualize data?

- A) By bar chart
- B) By line chart
- C) By Pie chart
- ☒ D) All of the above

12. Short cut key to create group in Power BI?

- ☒ A) Ctrl+Click
- B) Ctrl+A
- C) Ctrl+N
- D) Ctrl+G

13. In which task data analyst represent data in pictorial format?

- A) Prepare data
- ☒ B) Model data
- C) Visualize data
- D) None

14. IMPORT Data means

- ☒ A) Getting data from local drive or Cloud
- B) Getting data from local company
- C) Getting data from foreign Company
- D) None of the above





15. The Attribute which uniquely identifies row in a table called \_\_\_\_\_
- A) Foreign Key
  - B) Super Key
  - ☒ C) Primary Key
  - D) Console Key
16. Which one of the following options is the most important key benefit of data analysis?
- A) Decisive analytics
  - ☒ B) Informed business decisions
  - C) Complex reports
  - D) None of the above
17. What are the types of relationships that you will find in Power BI.
- A) One to Many
  - B) Many to One
  - C) Many to Many
  - ☒ D) All of the above
18. Which of the following is not a Microsoft data analytics tool?
- A) Power BI Desktop
  - B) Excel
  - ☒ C) Rstudio
  - D) Python
19. Which analytics help answer questions about what will happen in the future?
- A) Descriptive Analytics
  - B) Diagnostic Analytics
  - ☒ C) Predictive Analytics
  - D) Prescriptive Analytics



20. A graph that uses vertical bars to represent data is called a \_\_\_\_\_
- ☒ A) Bar Graph
  - B) Line Graph
  - C) Scatter Plot
  - D) All of the mentioned above.
21. Data Analysis is a process of
- A) Inspecting Data
  - B) Data Cleaning
  - C) Transforming of data
  - ☒ D) All of the mentioned above
22. \_\_\_\_\_ is a category, also called Supervised machine learning methods in which the data is split on two parts.
- ☒ A) Classification
  - B) Clustering
  - C) Data Mining
  - D) None of the mentioned above
23. Clustering belongs to \_\_\_\_\_ data analysis
- A) Supervised
  - B) Unsupervised
  - ☒ C) Both (A) and (B)
  - D) None of the above
24. Which of the following is NOT a type of machine learning?
- A) Computational learning
  - ☒ B) Reinforcement learning
  - C) Unsupervised learning
  - D) Supervised learning



25. In supervised learning, which of the following required
- ☒ A) Labeled data
  - B) Only numerical data
  - C) Unlabeled data
  - D) Only Categorical data
26. What type of expression do you see to extract data from Microsoft SQL Server?
- A) DAX
  - ☒ B) T-SQL
  - C) MDX
  - D) None of the above
27. Which are the main authoring tools on Azure ML Studio home Screen?
- A) Note books
  - B) Designers
  - C) Automated ML
  - ☒ D) All of the above
28. What types of data is Considered Unstructured ?
- A) Data in relational databases
  - ☒ B) Data in spreadsheets
  - C) Data in CSV files
  - D) Text documents and images
29. Which of the following is not a step in data analysis?
- A) Obtain the data
  - B) Clean the Data
  - ☒ C) EDA
  - D) None of the mentioned
30. Amongst which of the following is /are the correct work flow of Predictive analytics.
- ☒ A) Import data → Clean the data → Develop a predictive model → Integrate the model
  - B) Clean the data → Develop a predictive model → Import Data → Integrate the data
  - C) Clean the data → Develop a predictive model → Import data → Store data
  - D) None of the mentioned above.