21S2AI

B.A./B.B.A. IV Semester Degree Examination, September/October - 2023

COMPUTER SCIENCE

Artificial Intelligence

(NEP)

Time : 1 Hour   Maximum Marks : 30

---

1. In Azure Machine Learning studio, what can you use to author regression Machine Learning pipelines using a drag and drop Interface ?   **1**
(A)   Notebooks   (B)   Automated Machine Learning
(C)   Azure Machine Learning   (D)   Designer

2. 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 ?   **1**
(A)   Objects   (B)   Tags   (C)   Categories   (D)   Data

3. What is one aspect that may impair facial detection ?   **1**
(A)   Glasses   (B)   Slow Shutter Speed
(C)   Extreme angles   (D)   Fast Shutter Speed

4. You are using the form Recognizer Service to analyse receipts that you have scanned into JPG format images. What is the Maximum file size of JPG file you can submit to the pre-built receipt model ?   **1**
(A)   2 MB   (B)   50 MB   (C)   200 MB   (D)   400 MB

5. You want to use the Speech Service to build an application that reads incoming e-mail message subjects aloud. Which API should you use ?   **1**
(A)   Speech-to-Text   (B)   Text-to-Speech
(C)   Translate   (D)   All of the above

6. Which data format is accepted by Azure cognitive search when you're pushing data to the index ?   **1**
(A)   CSV   (B)   PQL   (C)   SQL   (D)   JSON

7. If you set up a search index without including a skillset, which would you still be able to Query ?   **1**
(A)   Sentiment   (B)   Text Content
(C)   Image Captions   (D)   All of the above

8. Which data role enables advanced analytics capabilities specifically through reports and visualizations ?   **1**
    (A)   Data Scientist   (B)   Data Engineer
    (C)   Data Analyst   (D)   Data Manager

9. Which of the following are not available in Power BI Reports ?   **1**
    (A)   Drill through   (B)   Page type
    (C)   Report level   (D)   Page level

10. Power BI paginated reports are created by using which tool ?   **1**
    (A)   Power BI Desktop   (B)   Power BI Service
    (C)   Power BI Report Builder   (D)   Power BI Report Developer

11. What features in Power BI service can you use to troubleshoot the flow of data from its source to its destination ?   **1**
    (A)   Usage Metrics Report   (B)   Query Caching
    (C)   Quick Insights   (D)   Lineage View

12. AI stands for _____.   **1**
    (A)   Artificial Intelligence   (B)   All Information
    (C)   Art Information   (D)   Aeroculture Information

13. What type of Expression do you use to extract data from Microsoft SQL server ?   **1**
    (A)   DAX   (B)   T-SQL   (C)   MDX   (D)   D-SQL

14. Where are data set-scheduled refreshes configured ?   **1**
    (A)   Power BI Service   (B)   Power BI Desktop
    (C)   APP Source   (D)   Data Source

15. Which one of the following options is the most important Key Benefit of Data Analysis ?   **1**
    (A)   Decisive Analytics   (B)   Informed Business Decisions
    (C)   Complex Reports   (D)   Inclusive Analytics

16. Data Analytic applies on :   **1**
    (A)   Raw data or data set   (B)   Algorithm
    (C)   Scientific method   (D)   None of the mentioned above

17. You want to create Knowledge base for bots. What service would you use ?   **1**
    (A)   Conversational Language understanding
    (B)   Question Answering
    (C)   Azure Bot
    (D)   Language Bot

18. You are developing an Application that must take English input from a microphone   **1**
and generate a real-time text-based Transcription in Hindi. Which service should
you use ?
(A) Translator   (B) Speech   (C) Language   (D) Google

19. SQL stands for :   **1**
(A) Structure Query Language   (B) Simple Query Language
(C) Stand Query Language   (D) Stack Queue Language

20. You want to use the language service to determine the key talking points in a   **1**
text document. Which feature of the service should you use ?
(A) Sentiment analysis   (B) Key phrase extraction
(C) Entity detection   (D) Data analysis

21. You plan to use a set of images to train an object detection model and then   **1**
publish the model as a predictive service. You want to use a single Azure Resource
with the same key and endpoint for training and prediction. What kind of Azure
resource should you create ?
(A) Cognitive Services   (B) Custom Vision
(C) Computer Vision   (D) Computer Services

22. What you use Azure Machine Learning designer to create a training pipeline.   **1**
Now you want to use the model in an inference pipeline. Which model should you
use to infer cluster predictions from the model ?
(A) Score Model   (B) Assign Data to Clusters
(C) Train Clustering Model   (D) Assign Data to Model

23. You need to provision Azure resources that will be used to author a new Language   **1**
Understanding application. What kind of resource should you create ?
(A) Custom Language Service   (B) Language Service
(C) Cognitive Service   (D) Incognitive Services

24. You want to create a model to predict sales of icecream based on historic data   **1**
that includes daily icecream sales totals and weather Measurements. Which
Azure service should you use ?
(A) Azure Machine Learning   (B) Azure Bot
(C) Language   (D) Automated Machine Learning

25. A bank wants to use historic loan repayment records to categorize loan applications **1**
as low-risk or high-risk based on characteristics like the loan amount, the income
of the borrowes and the loan period. What kind of machine learning model should
the bank use automated machine learning to create ?
(A) Classification   (B) Regression
(C) Time Series forecasting   (D) Agression

26. A collection of ready-made visuals, pre-arranged in dashboards and reports is called what in power BI ?   **1**

(A) The Canvas   (B) Scheduled reload

(C) Scheduled refresh   (D) An app

27. You plan to use the Custom Vision Service to train an image classification model. You want to create a resource that can only be used for Model Training and not for prediction. Which kind of resource should you create in your Azure subscription ?   **1**

(A) Custom Mission   (B) Custom Vision

(C) Cognitive Services   (D) Computer Vision

28. Which two functions will help you compare dates to the previous month ?   **1**

(A) Calculate and previous month

(B) Total ytd and previous month

(C) Calculate and Total tyd

(D) Total tyd and calculate

29. You're creating a power BI report with data from an Azure Analysis services cube. When the data refreshes in the cube, you would like to see it immediately in the power BI Report. How should you connect ?   **1**

(A) Import   (B) T.SQL

(C) Live Connection   (D) Export

30. You have a Microsoft Excel file in a Microsoft One Drive folder. The file must be imported to a power BI data set. You need to ensure that the data set can be refreshed in power bi.com. Which two connectors can you use to connect to the file ? Each correct answer presents a complete solution.   **1**

(A) Web   (B) Text/CSV

(C) Folder   (D) Share point folder

- o 0 o -