

003CSC061 – F – 23 – 8580



ALL UG THIRD SEMESTER (NEP) DEGREE EXAMINATION, MARCH 2023
SEC : ARTIFICIAL INTELLIGENCE

Total No. of Questions : 30

Time : 90 Minutes

Maximum : 30 Marks

INSTRUCTIONS TO THE CANDIDATES

1. The question paper will be given in the form of a Question Booklet.
2. Immediately after the commencement of the examination, the candidate should check that the question booklet supplied to him/her contains all the **30** questions in serial order. The question booklet does not have unprinted or torn or missing pages and if so, he/she should bring it to the notice of the Invigilator and get it replaced by a complete booklet. This is most important.
3. Blank pages of the question booklet may be used for rough work.
4. Each question is provided with four choices **(A)**, **(B)**, **(C)** and **(D)** having one correct answer. Choose the correct answer and darken the bubble corresponding to the question number using Ball Pen in the OMR answer sheet.
5. Each correct answer carries **1** mark and no negative mark for wrong answer.
6. No candidate 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. Candidates should ensure that the Invigilator has verified all the entries in the Register Number Coding Sheet and that the Invigilator has affixed his/her signature in the space provided.
7. Strict compliance of instructions is essential. Any malpractice or attempt to commit any kind of malpractice in the Examination will result in the disqualification of the Candidate.

[P.T.O.]



1. _____ is the foundation for most AI solutions.
(A) Machine understanding (B) Machine training
(C) Machine learning (D) None of the above
2. Which of the following feature have a graphical interface enabling no-code development of machine learning solution ?
(A) Automated machine learning
(B) Azure machine learning design
(C) Data and compute management
(D) Pipelines
3. The _____ service provides an Application Programming Interface (API) that developers can use to create anomaly detection solutions.
(A) Computer vision
(B) Anomaly detector
(C) Natural language processing
(D) None of the above
4. NLP enables you to create software that can
(A) Analyze and interpret in document
(B) Interpret spoken language
(C) Interpret commands and determine appropriate action
(D) All the above
5. Which among the following is the service used to build natural language processing solution ?
(A) Speech
(B) Vision
(C) Face recognizer
(D) Error handling



6. The face service enables you to build _____ and facial recognition solution.
- (A) Object detection
 - (B) Eye detection
 - (C) Face detection
 - (D) None of the above
7. What does spatial analysis identify ?
- (A) Identify audio
 - (B) Identify people or object
 - (C) Identify resources
 - (D) None of the above
8. In microsoft Azure machine learning designer creates regression models by using _____ visual interface.
- (A) Only drag
 - (B) Only drop
 - (C) Both drag and drop
 - (D) None of the above
9. Which are the risks and challenges with AI, among the following ?
- (A) Bias can effect result
 - (B) Errors may cause harm
 - (C) Data could be exposed
 - (D) All the above
10. 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) None of the above



11. Expand OCR.
- (A) Open Character Recognition
 - (B) Optical Character Recognition ✓
 - (C) Object Character Recognition +
 - (D) Optical Character Re-arrangement
12. You want to create a model to predict sales of ice cream based on historic data that includes daily ice cream sales totals and weather measurements. Which Azure service should you use ?
- (A) Azure machine learning ✓
 - (B) Azure Bot
 - (C) Language
 - (D) Azure hardware
13. Which among the following is the principles of AI ?
- (A) Fairness
 - (B) Reliability and safety
 - (C) Privacy and security
 - (D) All the above ✓
14. Expand NLP.
- (A) Natural Language Processing ✓
 - (B) Natural Learning Processing
 - (C) Nature Learning Processing
 - (D) New Learning Processing
15. Which among the following is unsupervised machine learning task ?
- (A) Regression
 - (B) Clustering ✓
 - (C) Classification +
 - (D) Designing



16. Analyzing images and PDF documents that contain text and extract the text into a structured format is called

- (A) Text editor
- (B) Text detection
- (C) Text extraction ✓
- (D) None of the above

17. Which among the following service of computer vision are used to analyse image ?

- (A) Describing image ✓
- (B) Detecting face
- (C) Detecting object
- (D) All the above

18. You want to use the computer vision service to identify the location of individual items in a image. Which of the following features should you retrieve ?

- (A) Objects
- (B) Tags
- (C) Categories ✗
- (D) None of the above

19. Which among the following is the type of machine language ?

- (A) Regression
- (B) Classification
- (C) Clustering
- (D) All the above

20. Expand CNN.

- (A) Convolution Natural Nodes
- (B) Convolution Natural Names
- (C) Convolution Neural Nodes
- (D) Convolution Neural Networks



21. Which among the following language automatically translate spoken and written phrases between language ?
- (A) Natural language processing ✓
 - (B) Computer vision
 - (C) Conversional
 - (D) None of the above
22. _____ is a form of machine learning that is used to group similar items into clusters based on their features.
- (A) Designing
 - (B) Classification
 - (C) Clustering ✓
 - (D) Regression ✗
23. Pipelines let you organize, manage and reuse _____ machine learning workflows across projects and users.
- (A) Complex
 - (B) Simple ✓
 - (C) Uncomplicated
 - (D) None of the above
24. You use Azure machine learning designer to create a training pipeline for a clustering model. Now you want to use the model in an interface pipeline. Which module should you use to infer cluster predictions from the model ?
- (A) Score model ✓
 - (B) Assign data to clusters
 - (C) Train clustering model ✗
 - (D) None of the above
25. You want to use the computer vision service to analyse images of locations and identify well known buildings. What should you do ?
- ✓ (A) Retrieve the objects in the image
 - (B) Retrieve the categories for the image, specifying the celebrities domain
 - ✓ (C) Retrieve the categories for the image, specifying the landmarks domain
 - (D) None of the above



26. What kind of resource should you create in your Azure subscription ?
- (A) Computer vision
 - (B) Cognitive services
 - (C) Custom vision
 - (D) None of the above
27. What does the data analyst associate do ?
- (A) Data analysis
 - (B) Image analysis
 - (C) Speech analysis
 - (D) None of the above
28. Expand DA.
- (A) Data Application
 - (B) Data Analyst
 - (C) Data Associate
 - (D) Data Appraise
29. A visual representation of data is called
- (A) Model data
 - (B) Visualization
 - (C) Store data
 - (D) None of the above
30. In power BI we can do
- (A) Visualize data
 - (B) Model data
 - (C) Data analysis
 - (D) All the above
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