MANGALORE UNIVERSITY

National Education Policy – 2020(NEP-2020)

QUESTION BANK

Of

Skill Enhancement Course

Artificial Intelligence

III/IV SEMESTER (OTHER THAN BCA)

COMMON TO ALL

Skill Enhancement Course

Artificial Intelligence
III/IV SEMESTER (OTHER THAN BCA)

COMMON TO ALL

Duration: 2 Hour   **Max.Marks:30**

Section-A (1x10 = 10)

1. What is an AI?
2. The capability for a computer to interpret written or spoken language is_____.
3. Knowledge mining is extracting information from large volume of data. True or False ?
4. What is Azure Cognitive Search?
5. ____technique is use to analyze data overtime and identifies unusual changes.
6. What is conversational AI?
7. What is Descriptive analytics?
8. What s machine learning?
9. What is Azure Bot?
10. Define tuning.
11. Computer vision service is designed to perceive the world visually through cameras, images and video. True or False?
12. Define data granularity.
13. Define Anomaly detection.
14. A language service to determine the key talking points in a text document is _____.
15. An automobile dealership wants tom use historic car sales data to train a machine learning model. The model should predict the price based on its make, model, engine size and mileage. What kind of machine learning model should the dealership use automated machine learning to create?
16. You want to create a model to predict sales of ice-cream based on historic data. Which Azure service should you use?
17. Which are the building blocks of Power BI?
18. How is the admin workspace role different from other types of workspace roles?
19. Neural networks are widely known for its use in _____ and _____.
20. The process of finding the optimal configuration is tuning. True or False?

21. A predictive app provides audio output for visually impaired users. _____ Principle of AI is reflected here.
22. Descriptive analytics help answer question about why event happened. True or False?
23. What is data analytics?
24. ____is a specialist in interpreting the data that comes from the visualization.
25. Name any two statistical functions in Power BI.
26. What is NLP?
27. What are the computer vision modes and capabilities?
28. Mention two use of Computer vision.
29. What is cardinality of a table?
30. What is Deep learning?
31. Name the three different types of storage modes in data analytics.
32. Name the different roles in data.
33. Which data role enables advanced analytics capabilities specially through reports and visualization?
34. What is a flat file?
35. Who is a Business analyst?
36. Name any two statistical functions in Power BI.
37. What is feature Vector?
38. What is Database?
39. Define DBMS.
40. SQL stands for………………
41. NoSQL database is a relational database. True or False?
42. What type of expression do you use to extract data from Microsoft SQL Server?
43. DAX stands for_____.
44. Do you need to import custom visuals each time you want to use them when you're developing a new report, not an existing report?
45. _____ Programming languages can be used to visualize data within Power BI Desktop.
46. Which are the building blocks of Power BI?
47. Power BI has the concept of directionality to a relationship. True or False?
48. What is image analysis?
49. NLP stands for…………….
50. What is azure Automated Machine Learning?
51. List the Challenges and Risk with AI.
52. What are the uses of NLP?
53. What is Relational Database?
54. What is hyper parameter?
55. What is knowledge mining?
56. What is regression?

57. What is the name of the app based on Computer Vision?
58. What is Named entity recognition?
59. What is the minimum number of Power BI datasets needed to support the reports?
60. What is dataset?
61. What is text classification?
62. What do you mean by Language resource?

Section-B: (2x5 = 10)

1. What are Computer Vision services in MS Azure?
2. What is NLP? What is its use?
3. What are hyperparameters? Give an example.
4. List any few tasks of computer vision.
5. Define AI.What are the key components of AI?
6. List and explain two types of supervised machine learning task.
7. Explain any two computer vision services in Microsoft Azure.
8. What is image analysis? Explain.
9. What are the cognitive services provided by MS Azure to create Computer Vision solutions?
10. Which are the two NLP services in Microsoft Azure
11. List two guiding principles of responsible AI and explain?
12. What are the types of machine learning?
13. What are the cognitive services provided by MS Azure to create Natural Language Processing solutions?
14. List and explain potential uses for computer vision.
15. What are the two ways of creating neural network models?
16. Describe any two language services available MS Azure.
17. Name the six principles in AI software development.
18. What is Azure? What are four processes of azure automated machine learning?
19. How NLP software works?
20. What are the Challenges and risks in AI
21. Machine Learning? Explain Briefly
22. What is azure Automated Machine Learning? Explain Briefly
23. What is the use of tune model Hyperparameter?
24. Explain four compute resources available in azure machine learning
25. Define object detection and image classification.
26. List any two potential challenges and risks facing an AI application developer with an example.
27. What do you mean by Cognitive services?
28. What are Computer Vision models and capabilities
29. When might you see NaN returned for a score in Language Detection?

30. What is Query diagnostics?
31. What is Neural Network Regression component?
32. What do you mean by conversational AI?
33. What is Azure machine learning studio? Explain briefly.
34. Explain any two types of Machine learning.
35. How Machine Learning works?
36. What are the Responsibilities of AI? Explain.

Section-C: (2x5 = 10)

1. What are Power BI visual? Explain
2. What is an outliers?How Power BI allows you to identify outliers in your data?
3. Explain the components of analytics
4. What process occurs in Diagnostic analytics
5. Explain Predictive analytics with example?
6. Explain the role of data analysts
7. What are the benefits of the good data model
8. What do you mean by Star schemas?
9. Define data granularity. Explain
10. What is the role of Deployment pipeline feature in the development life cycle?
11. Who is a data analyst?Name the tasks of data analyst.
12. What are Many-to-One and One-to-Many relationship in Power BI?
13. What is smart narrative visualization? What is its use?
14. What can you do to improve performance when you're getting data in Power BI?
15. What is the use of Line and area charts
16. Write the difference between prescriptive analytics with predictive analytics.
17. What are the benefits of using a good data model?
18. What do you mean by statistical summary in data analytics? Explain
19. How does Power BI clustering technique useful?
20. What are table and matrix visualizations in power BI? Explain
21. What is statistical summary? List any two Power BI functions used to conduct statistical analysis?
22. Explain workspace?
23. Explain the features of key influencers visual?
24. Which data role enables advanced analytics capabilities specifically through reports and visualizations?
25. What is the difference between a fact table and a dimension table?
26. What Power BI feature can give an in-depth analysis of the distribution of data?

27. What feature in Power BI service can you use to troubleshoot the flow of data from its source to its destination?
28. What are the core components of data analytics?
29. What are the tasks of a data analyst?
30. Name the different visualization options available in Power BI Desktop.
31. What are the different types of storage modes in data analytics? Explain
32. What do you mean by Time series analysis? Explain
33. Explain briefly on NoSQL.
34. What is Slicer visualization?
35. What are predictive and cognitive analytics?
36. Differentiate SQL and NoSQL.