

 Vietnamese German University (VGU) <b>Computer Science - Engineering</b>	<b>FINAL TERM EXAM</b>		Semester / Year	1	2022-2023	
			Date		15-12-2022	
	Course Name	Introduction to Computer Science				
	Course Code					
Duration	40 minutes	Exam Code	2022			
<b>Student Name :</b> <b>Student ID :</b>						

Q1	Q2	Q3	Q4	Q5	Q6	Q7	Q8	Q9	Q10	Q11	Q12	Q13	Q14	Q15	Q16	Q17	Q18	Q19	Q20
Q21	Q22	Q23	Q24	Q25	Q26	Q27	Q28	Q29	Q30	Q31	Q32	Q33	Q34	Q35	Q36	Q37	Q38	Q39	Q40

**MCQ 1.** Machine learning is a subset of which of the following.

- ☒ A Artificial intelligence    ☐ B Deep learning    ☐ C Data mining    ☐ D Data Analytic

**MCQ 2.** The application/applications of Artificial Intelligence is/are

- ☐ A Expert Systems    ☐ B Gaming    ☐ C Vision Systems    ☒ D All of the above

**MCQ 3.** What is Artificial Intelligence?

- ☐ A Artificial Intelligence is a field that aims to make humans more intelligent  
☐ B Artificial Intelligence is a field that aims to improve the security  
☒ C Artificial Intelligence is a field that aims to develop intelligent machines  
☐ D Artificial Intelligence is a field that aims to mine the data

**MCQ 4.** Among the following option identify the one which is not a type of learning

- ☒ A Semi unsupervised learning    ☐ B Supervised learning  
☐ C Reinforcement learning    ☐ D Unsupervised learning

**MCQ 5.** Which of the following is not machine learning?

- ☐ A Artificial intelligence    ☒ B Rule-based inference    ☐ C Both A and B    ☐ D None of the above

**MCQ 6.** Which of the following are common classes of problems in machine learning?

- ☐ A Regression    ☐ B Classification    ☐ C Clustering    ☒ D All of the above

**MCQ 7.** Among the following options identify the one which is false regarding regression.

- ☐ A It is used for the prediction    ☐ B It is used for interpretation  
☐ C It relates inputs to outputs    ☒ D It discovers casual relationship

**MCQ 8.** Which of the given language is the most the most preferred language for AI?

- ☐ A C    ☐ B C++    ☒ C Python    ☐ D Cannot determine

**MCQ 9.** Which of the following is not machine learning disciplines?

- ☐ A Information theory    ☐ B Optimisation and Control    ☒ C Physics  
☐ D Neuro Statistics

**MCQ 10.** Ways to achieve AI in real-life are

- ☐ A Machine Learning    ☐ B Deep Learning    ☒ C Both a b    ☐ D None of the above

**MCQ 11.** Analysis of ML algorithm needs

- ☐ A Statistical learning theory    ☐ B Computation learning theory  
☒ C Both A and B    ☐ D None of the above

**MCQ 12.** What is the machine learning algorithms that can be used with **unlabeled data**?

- ☐ A Regression algorithms    ☒ B Clustering algorithms    ☐ C Association algorithms    ☐ D All of the above

**MCQ 13.** Identify the type of learning in which labeled training data is used.

- ☐ A Semi unsupervised learning    ☒ B Supervised learning  
☐ C Reinforcement learning    ☐ D Unsupervised learning

- MCQ 14.** An AI agent perceives and acts upon the environment using  
Ⓐ Sensors Ⓑ Perceiver Ⓒ Actuators Ⓓ Both a and c
- MCQ 15.** Which of the given element improve the performance of AI agent so that it can make better decisions?  
Ⓐ Changing Element Ⓑ Performance Element Ⓒ Learning Element Ⓓ None of the above
- MCQ 16.** Choose the most widely used mattress and tools to assess the classification models.  
Ⓐ The area uder the ROC curve Ⓑ Confusion matrix  
Ⓒ Cost sensitive accuracy Ⓓ All of the above
- MCQ 17.** What is the term known as on which the machine learning algorithms build a model based on sample data?  
Ⓐ Collecting data Ⓑ Training data Ⓒ Data mining Ⓓ None of the above
- MCQ 18.** Identify the incorrect numerical functions in the various function representation of machine learning.  
Ⓐ Case-based Ⓑ Support vector machines Ⓒ Linear regression Ⓓ Neural network
- MCQ 19.** What is **WRONG** about Python programming language:  
Ⓐ The interpreter Programming Language Ⓑ The compiler Programming Language  
Ⓒ The third Programming Language Ⓓ The OOP Programming Language
- MCQ 20.** What is the machine learning algorithms that can be used with **labeled data**?  
Ⓐ Regression algorithms Ⓑ Clustering algorithms Ⓒ Association algorithms Ⓓ All of the above

## ĐÁP ÁN

**MCQ 1. A**

**MCQ 2. D**

**MCQ 3. C**

**MCQ 4. A**

**MCQ 5. B**

**MCQ 6. D**

**MCQ 7. D**

**MCQ 8. C**

**MCQ 9. D**

**MCQ 10. C**

**MCQ 11. C**

**MCQ 12. B**

**MCQ 13. B**

**MCQ 14. D**

**MCQ 15. C**

**MCQ 16. D**

**MCQ 17. B**

**MCQ 18. A**

**MCQ 19. B**

**MCQ 20. A**