

ROLL
NUMBER

SET A



INDIAN SCHOOL MUSCAT
HALF YEARLY EXAMINATION 2022
ARTIFICIAL INTELLIGENCE (417)



CLASS : IX
DATE: 24/09/2022

TIME ALLOTTED : 2 HRS.
MAXIMUM MARKS: 50

GENERAL INSTRUCTIONS:

1. This question paper contains three parts A, B and C. Each part is compulsory.
2. Part A carries 15 marks, Part B carries 26 marks and Part C carries 9 marks.
3. Part-A consists MCQ Questions, Part-B consists fill in the blanks and Part-C consists short answer type questions.
4. Part A, Part B and Part C have choices.

Part – A: has 17 multiple choice questions. An examinee is to attempt any 15 out of 17 questions.

Part – B: has 14 fill in the blanks. An examinee is to attempt any 13 out of 14 questions.

Part – C: has 4 short answer questions. An examinee is to attempt any 3 out of 4 questions.


**Question
No.**

Part-A

This section consists of 17 multiple choice questions. Attempt any 15 questions

- | | | |
|---|---|---|
| 1 | All the AI-based systems built till this date fall under the category of | 1 |
| | a. ANI b. ASI | |
| | c. AGI d. All of these | |
| 2 | What is the full form of “AI”? | 1 |
| | a. Artificial Intelligence b. Artificially Intelligent | |
| | c. Advanced Intelligence d. Artificially Intelligence | |
| 3 | Which of the following is a branch of Artificial Intelligence? | 1 |
| | a. Cyber forensics b. Machine Learning | |
| | c. Network Design d. Programming | |

10

- 4 Artificial Intelligence is about _____. 1
- Playing a game on Computer
 - Making a machine Intelligent
 - Programming on Machine with your Own Intelligence
 - Putting your intelligence in Machine
- 5 This language is easy to learn and is one of the most popular language for AI today: 1
- C++
 - Python
 - Ruby
 - Java
- 6 What does NLP stand for in AI? 1
- Neutral Learning Projection
 - Neuro-Linguistic Programming
 - Natural Language Processing
 - Neural Logic Presentation
- 7 Which of the following is not an application of AI? 1
- Fully automatic washing machine
 - Website creation
 - Remotely controlled air conditioner
 - All the above
- 8 _____ is a crucial part of intelligence. 1
- Decision Making
 - Playing Games
 - Writing Letters
 - Driving Cars
- 9 Which of the following is an example of Virtual Personal Assistant? 1
- SIRI
 - ALEXA
 - CORTANA
 - All of these
- 10  Identify the given SDG icon 1
- Eat Healthy
 - Clean Food
 - Zero Hunger
 - Food Habit
- 11 Which of the following enables developers to convert audio to text by applying powerful neural network models in an easy-to-use API? 1
- Converter
 - Speech to text
 - Audio-text
 - Text to Speech
- 12 _____ stores small amount of data in computer while other operations are being performed. 1
- Memory Unit
 - Control Unit
 - Keyboard
 - Printer
- 13 _____ helps the user to enter raw data and instructions into the computer system. 1
- Input unit
 - Output Unit
 - CPU
 - Memory

- 14 _____ receives each and every instruction from user and coordinates between different parts of computer to perform various operations. 1
- a. ALU b. Control Unit c. Memory unit d. None of these
- 15 Input and output devices are also called _____. 1
- a. Computer b. Software c. Peripherals d. Ports
- 16 Which of the following output device provides the hard copy of the information processed by the computer? 1
- a. Printer b. Scanner c. Monitor d. Mouse
- 17 _____ is an input device of computer which is used to enter letters & numbers. 1
- a. CPU b. Keyboard c. Calculator d. USB

Part-B

This section consists of 14 fill in the blanks. Attempt any 13 questions

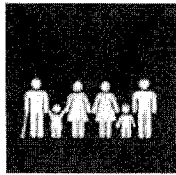
- 18 Full form of ANI is _____. 2
- 19 Full form of AGI is _____. 2
- 20 Full form of ASI is _____. 2
- 21 Full form of SDG is _____. 2
- 22 There are _____ SDGs. 2
- 23 In _____ stage of Artificial Intelligence, the capability of computers will surpass human beings. 2
- 24 _____ is the process of implementing Neural Networks on high dimensional data to gain insights and form solutions. 2
- 25 Sophia the humanoid is a good example of AI in _____. 2
- 26 Fuzzy logic is a computing approach based on the principles of _____. 2
- 27 _____ use if-then logical notations to solve complex problems. 2
- 28 _____ is a subset of speech recognition. 2
- 29 _____ is the application of computers to the task of translating texts from one natural language to another. 2
- 30 To activate a virtual assistant using the voice, a _____ might be used. 2
- 31 Chatbot is the short form of _____. 2

Part-C

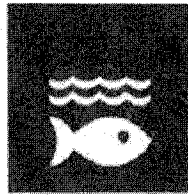
This section consists of 4 fill in the blanks. Attempt any 3 questions

- 32 Write any three applications of Artificial Intelligence around us. 3
- 33 Name the 3 categories of Machine Learning? 3
- 34 What are the 3 domains of AI? 3
- 35 Identify the given SDG icons 3

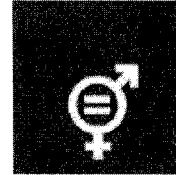
a.



b.



c.



******END OF THE QUESTION PAPER******

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ROLL NUMBER				
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SET	B
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Part – C: has 4 short answer questions. An examinee is to attempt any 3 out of 4 questions.

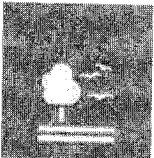
**Question
No.**

Part-A

This section consists of 17 multiple choice questions. Attempt any 15 questions

- | | | |
|---|--|---|
| 1 | A self-driving car uses | 1 |
| | a. Sensors b. Cameras c. AI d. All of these | |
| 2 |  Identify the given SDG icon | 1 |
| | a. Book & Pen b. Quality Education c. School d. Study Habit | |
| 3 | What does NLP stand for in AI? | 1 |
| | a. Neutral Learning Projection b. Neuro-Linguistic Programming | |
| | c. Natural Language Processing d. Neural Logic Presentation | |

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- 4 All the AI-based systems built till this date fall under the category of 1
 a. ANI b. ASI
 c. AGI d. All of these
- 5 Which of the following is a branch of AI? 1
 a. Machine Learning b. Data Science
 c. Internet of Things d. None of these
- 6 Which of the following computer program that simulates human conversation through voice commands or text chats or both? 1
 a. Python b. Java c. Chatbot d. SDG
- 7 What is the full form of "AI"? 1
 a. Artificial Intelligence b. Artificially Intelligent
 c. Advanced Intelligence d. Artificially Intelligence
- 8 Which of the following enables developers to convert audio to text by applying powerful neural network models in an easy-to-use API? 1
 a. Converter b. Speech to text c. Audio-text d. Text to Speech
- 9 This language is easy to learn and is one of the most popular language for AI today: 1
 a. C++ b. Python c. Ruby d. Java
- 10 Which of the following is an example of Virtual Personal Assistant? 1
 a. SIRI b. ALEXA c. CORTANA d. All of these
- 11  Identify the given SDG icon 1
 a. Nature b. Land c. Tree & Birds d. Life on Land
- 12 _____ stores small amount of data in computer while other operations are being performed. 1
 a. Memory Unit b. Control Unit c. Keyboard d. Printer
- 13 _____ bring information from the computer to the user. 1
 a. Input unit b. Output Unit c. CPU d. Memory
- 14 _____ performs all the mathematical and logical calculations. 1
 a. ALU b. Control Unit c. Memory unit d. None of these
- 15 Input and output devices are also called _____. 1
 a. Computer b. Software c. Peripherals d. Ports

- 16 Which of the following input device copies physical documents and stores them in a computer in digital format? 1
- a. Printer b. Scanner c. Monitor d. Mouse
- 17 _____ is an output device on which the computer displays the output information. 1
- a. CPU b. Keyboard c. Calculator d. Monitor


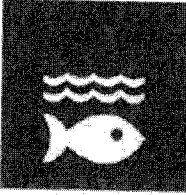
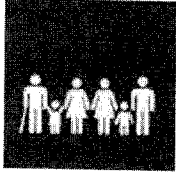
Part-B

This section consists of 14 fill in the blanks. Attempt any 13 questions

- 18 Full form of SDG is _____ 2
- 19 Full form of ASI is _____ 2
- 20 Full form of AGI is _____ 2
- 21 Full form of ANI is _____ 2
- 22 Sophia the humanoid is a good example of AI in _____. 2
- 23 _____ use if-then logical notations to solve complex problems. 2
- 24 _____ is the process of implementing Neural Networks on high dimensional data to gain insights and form solutions. 2
- 25 There are _____ SDGs. 2
- 26 Fuzzy logic is a computing approach based on the principles of _____. 2
- 27 In _____ stage of Artificial Intelligence, machines will possess the ability to think and make decisions just like us humans. 2
- 28 Chatbot is the short form of _____. 2
- 29 To activate a virtual assistant using the voice, a _____ might be used. 2
- 30 _____ is the application of computers to the task of translating texts from one natural language to another. 2
- 31 _____ is a subset of speech recognition. 2

Part-C

This section consists of 4 fill in the blanks. Attempt any 3 questions

- 32 Identify the given SDG icons 3
- a.  b.  c. 
- 33 What are the 3 domains of AI? 3
- 34 Name the 3 categories of Machine Learning? 3
- 35 Write any three applications of Artificial Intelligence around us. 3

****END OF THE QUESTION PAPER****