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SET A



# INDIAN SCHOOL MUSCAT

## FIRST PERIODIC TEST

### ARTIFICIAL INTELLIGENCE

CLASS: IX

Sub.Code: 417

Time Allotted: 50mts.

22.05.2023

Max .Marks: 20

#### GENERAL INSTRUCTIONS:

- All questions are compulsory

1. Name the first humanoid to get citizenship. 1
2. *An application lets you search what you see, get things done faster and understand the world around you – using just your camera or a photo. Which domain of AI does this app belong to?* 1
3. For training, an AI machine is fed with \_\_\_\_\_. 1
4. The basic principle of every game is \_\_\_\_\_. 1
5. \_\_\_\_\_ is an example of voice assistant in digital devices. 1
6. Rock, Paper & Scissor is a game based on \_\_\_\_\_. 1
7. What is the principle behind self driving cars? 1
8. Write any game based on computer vision. 1
9. Write a short note on Data Science. 2
10. What is meant by decision making? How do you make decisions? 2
11. Mention any 4 areas where AI can help you in your daily life. 2
12. On what basis AI models are classified? Name the three domains of AI. 2

13. A scenario is given to you below. Read it and answer the questions that follow: Late one night, a car ran over a pedestrian in a narrow by street and drove away without stopping. A policeman who saw the vehicle leave the scene of the accident reported it moving at very high speed. The accident itself was witnessed by six bystanders. They provided the following conflicting accounts of what had happened: - It was a Toyota and its headlights were turned off; - It was a grey Audi. - It was a red car driven by a woman; - The car was moving at high speed and its headlights were turned off; - The car did have license plates; it wasn't going very fast; - The car didn't have license plates; the driver was a man; When the car and its driver were finally apprehended, it turned out that only one of the six eyewitnesses gave a fully correct description. Each of the other five provided one true and one false piece of information. Keeping that in mind, can you determine the following: i) What was the car's brand?
- ii) What was the colour of the car?
- iii) Was the car going fast or slow?
- iv) Did it have license plates?
- v) Were its headlights turned on?
- vi) Was the driver a man or a woman?
- (Write the correct options in full).
- a) i) -> TOYOTA ; ii) -> GREY ; iii) -> FAST ; iv) -> NO ; v) -> NO ; vi) -> WOMAN
- b) i) -> AUDI ; ii) -> RED ; iii) -> SLOW ; iv) -> NO ; v) -> YES ; vi) -> WOMAN
- c) i) -> AUDI ; ii) -> RED ; iii) -> FAST ; iv) -> YES ; v) -> NO ; vi) -> MAN
- d) i) -> TOYOTA ; ii) -> RED ; iii) -> SLOW ; iv) -> NO ; v) -> NO ; vi) -> MAN

14. Explain NLP. Name an application using NLP. 2

\*\*\*\*\*End of the Question Paper\*\*\*\*\*

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SET B



INDIAN SCHOOL MUSCAT  
FIRST PERIODIC TEST  
ARTIFICIAL INTELLIGENCE

CLASS: IX

Sub.Code: 417

Time Allotted: 50mts.

22.05.2023

Max .Marks: 20

**GENERAL INSTRUCTIONS:**

- All questions are compulsory

1. \_\_\_\_\_ is an example of voice assistant in digital devices. 1
2. The basic principle of every game is \_\_\_\_\_ 1
3. Rock Paper Scissor is a game based on \_\_\_\_\_ domain. 1
4. For training, an AI machine is fed with \_\_\_\_\_. 1
5. What is the principle behind self driving cars? 1
6. Write any game based on computer vision. 1
7. Name the first humanoid to get citizenship. 1
8. An application lets you search what you see, get things done faster and understand the world around you – using just your camera or a photo. Which domain of AI does this app belong to? 1
9. How does face lock work in a smart phone? 2
10. Explain NLP. Name an application using NLP. 2
11. How do machines become artificially intelligent? 2

12. A scenario is given to you below. Read it and answer the questions that follow: Late one night, a car ran over a pedestrian in a narrow by street and drove away without stopping. A policeman who saw the vehicle leave the scene of the accident reported it moving at very high speed. The accident itself was witnessed by six bystanders. They provided the following conflicting accounts of what had happened: - It was a Toyota and its headlights were turned off; - It was a grey Audi. - It was a red car driven by a woman; - The car was moving at high speed and its headlights were turned off; - The car did have license plates; it wasn't going very fast; - The car didn't have license plates; the driver was a man; When the car and its driver were finally apprehended, it turned out that only one of the six eyewitnesses gave a fully correct description. Each of the other five provided one true and one false piece of information. Keeping that in mind, can you determine the following:

- i) What was the car's brand?
- ii) What was the colour of the car?
- iii) Was the car going fast or slow?
- iv) Did it have license plates?
- v) Were its headlights turned on?
- vi) Was the driver a man or a woman?

(Write the correct options in full).

- a) i) -> AUDI ; ii) -> RED ; iii) -> SLOW ; iv) -> NO ; v) -> YES ; vi) -> WOMAN
- b) i) -> TOYOTA ; ii) -> GREY ; iii) -> FAST ; iv) -> NO ; v) -> NO ; vi) -> WOMAN
- c) i) -> AUDI ; ii) -> RED ; iii) -> FAST ; iv) -> YES ; v) -> NO ; vi) -> MAN
- d) i) -> TOYOTA ; ii) -> RED ; iii) -> SLOW ; iv) -> NO ; v) -> NO ; vi) -> MAN

13. Mention any 4 areas where AI can help you in your daily life. 2
14. On what basis AI models are classified? Name the three domains of AI. 2

\*\*\*\*\*End of the Question Paper\*\*\*\*\*

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SET C



## ARTIFICIAL INTELLIGENCE

CLASS: IX

Sub.Code: 417

Time Allotted: 50mts.

22.05.2023

Max .Marks: 20

### GENERAL INSTRUCTIONS:

- All questions are compulsory

- What is the principle behind self driving cars? 1
- The basic principle of every game is \_\_\_\_\_ 1
- Mystery Animal is a game based on \_\_\_\_\_ domain. 1
- Write any game based on computer vision. 1
- An application lets you search what you see, get things done faster and understand the world around you – using just your camera or a photo. Which domain of AI does this app belong to? 1
- For training, an AI machine is fed with \_\_\_\_\_. 1
- \_\_\_\_\_ is an example of voice assistant in digital devices. 1
- Name the first humanoid to get citizenship. 1
- Write any four features you want in your dream smart home? 2
- What is Intelligence? 2
- On what basis AI models are classified? Name the three domains of AI. 2
- Explain NLP. Name an application using NLP. 2

13. Mention any 4 areas where AI can help you in your daily life. 2

14. A scenario is given to you below. Read it and answer the questions that follow: Late one night, a car ran over a pedestrian in a narrow by street and drove away without stopping. A policeman who saw the vehicle leave the scene of the accident reported it moving at very high speed. The accident itself was witnessed by six bystanders. They provided the following conflicting accounts of what had happened: - It was a Toyota and its headlights were turned off; - It was a grey Audi. - It was a red car driven by a woman; - The car was moving at high speed and its headlights were turned off; - The car did have license plates; it wasn't going very fast; - The car didn't have license plates; the driver was a man; When the car and its driver were finally apprehended, it turned out that only one of the six eyewitnesses gave a fully correct description. Each of the other five provided one true and one false piece of information. Keeping that in mind, can you determine the following: 2

i) What was the car's brand?

ii) What was the colour of the car?

iii) Was the car going fast or slow?

iv) Did it have license plates?

v) Were its headlights turned on?

vi) Was the driver a man or a woman?

(Write the correct options in full).

a) i) -> AUDI ; ii) -> RED ; iii) -> SLOW ; iv) -> NO ; v) -> YES ; vi) -> WOMAN

b) i) -> TOYOTA ; ii) -> GREY ; iii) -> FAST ; iv) -> NO ; v) -> NO ; vi) -> WOMAN

c) i) -> TOYOTA ; ii) -> RED ; iii) -> SLOW ; iv) -> NO ; v) -> NO ; vi) -> MAN

d) i) -> AUDI ; ii) -> RED ; iii) -> FAST ; iv) -> YES ; v) -> NO ; vi) -> MAN

\*\*\*\*\*End of the Question Paper\*\*\*\*\*