



# Indian School Al Wadi Al Kabir

## Final Term Examination

### COMPUTER SCIENCE

Class: VIII  
Date: 28/02/2024

Time: 1 Hour  
Max. Marks: 25

General instructions:

- i. All questions are compulsory.
- ii. Section A questions carries  $\frac{1}{2}$  mark each.
- iii. Section B questions are descriptive type.

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#### Section -A

I. Choose the correct answer: 6 x  $\frac{1}{2}$  = 3

1. -----will be able to make decisions logically and rationally while exhibiting emotions at the same time with 100% accuracy?  
i)Narrow AI ii)Super AI iii) General AI iv)All of these
2. -----systems are intelligent systems that are programmed to perform specific tasks.  
i)Super AI ii) General AI iii) Narrow AI iv) All of these
3. Which statement is used in loops to terminate the loop?  
i)break ii) continue iii) if iv) All of these
4. Which of the following is a selective structure?  
i)identifiers, Operators ii) if, if-else iii) for, while iv) None of these
5. Python is an ..... language which executes the code line by line at a time?  
i) compiled ii) Runtime iii) Interpreted iv) None of these
6. .... is a set a valid character that a language can recognize?  
i)character set ii) token iii) variable

II. Fill in the blanks: 6 x  $\frac{1}{2}$  =3

1. Python uses ----- to express the block structure of a program.
2. A computer program is a set of instructions known as -----
3. The statements which are executed one after the other without any jumps are called -----statements
4. Personal Assistant applications such as Google Assistant, Siri and Alexa are based on -----
5. AI has three major domains, data, natural language processing and -----.
6. -----statements are used to exit the the loop or current iteration even if the condition has not become false.

III. Write True or False: 4 x  $\frac{1}{2}$  =2

1. Python is not a case sensitive program.

2. The interactive mode screen shows the welcome message with version details.
3. Super AI will be far more capable than human beings in every aspect.
4. A sequential structure is also known as a straight-line path.

IV. Answer in one or two words. 2 x ½ =1

1. Which loop is used when the number of iterations is not known?
2. In Which type of AI is also known as strong AI ?

**Section – B**

V. Define the following: 2x1=2

1. Define Natural Language Processing.
2. Define Token.

VI. Differentiate Between: 2x1=2

1. Syntax Error & Logical Error.
2. Narrow AI & General AI.

VII. Answer the following questions: 3x2=6

1. Why is Data important? Name any two barriers of AI
2. What are jump statements? Give an Example for each of them
3. What is operator precedence? Explain with example?

VIII. 

- 1 Write a program using for loop in python to print the multiplication table of 5. 2x2=4
- 2 Write a program to enter the age of a person and find out whether he is retired or not. The age of retirement is 60 years.

IX. Application based Question: 2x1=2

1. Mansvi's father shows her an AI application that interacts with humans and helps them resolve their queries, thus improving the customer's experience. Guess the name of this type of AI applications.
  2. Akhil wants to repeat a block of statements for a given number of times, until the control condition is false. Which type of construct can she use for this?
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