B.K. BIRLA CENTRE FOR EDUCATION
SARALA BIRLA GROUP OF SCHOOLS
A CBSE DAY-CUM-BOYS' RESIDENTIAL SCHOOL

ANNUAL EXAMINATION 2025-26
ARTIFICIAL INTELLIGENCE (SET 02)

Class: VII   **Duration: 2 hrs.**
Date: 12-03-2026   **Max Marks: 50**
Name: ……………………………   **Exam No. :**

General Instructions:
1. *Please read the instructions carefully.*
2. *This Question Paper consists of 19 questions in two sections: Section A & Section B.*
3. *Section A has Objective type questions (MCQ, Fill in the blanks) whereas Section B contains Subjective type questions.*
4. *All questions of a particular section must be attempted in the correct order.*
5. *SECTION A - OBJECTIVE TYPE QUESTIONS (24 MARKS):*
   - i. *This section has 03 questions.*
   - ii. *Marks allotted are mentioned against each question/part.*
   - iii. *There is no negative marking.*
   - iv. *Do as per the instructions given.*
6. *SECTION B – SUBJECTIVE TYPE QUESTIONS (26 MARKS):*
   - i. *This section has 16 questions.*
   - ii. *A candidate has to do 11 questions.*
   - iii. *Do as per the instructions given.*
   - iv. *Marks allotted are mentioned against each question/part.*

SECTION A: OBJECTIVE TYPE QUESTIONS

I. Multiple Choice Questions: (Answer any sixteen)   **(16 X 1 = 16)**

(1) Which type of intelligence is related to the ability to think spatially and visualize objects ?
     (a) Linguistic intelligence   (b) Logical mathematical intelligence
     (c) Musical intelligence   (d) Spatial intelligence

(2) Which type of intelligence is related to the ability to understand and interact with the natural world ?
     (a) Linguistic intelligence   (b) Logical mathematical intelligence
     (c) Musical intelligence   (d) Naturalistic intelligence

(3) Which type of intelligence is related to the ability to understand and interact with others ?
     (a) Linguistic intelligence   (b) Logical mathematical intelligence
     (c) Musical intelligence   (d) Interpersonal intelligence

(4) …………is a railless guided bus system for urban passenger transport.
     (a) Autonomous Rail Remote Transit   (b) Autonomous Rail Rapid Transport
     (c) Autonomous Rail Rapid Transit   (d) Automatic Rail Rapid Transit

(5) …………………… is a robot server created by Bear Robotics that can assist human servers, using sensors to navigate crowded restaurants.

    (a) WASP   (b) Penny   (c) Sophia   (d) Vayumitra

(6) The ……………….. helps you to select areas of the current layer or image based on colour similarity.

    (a) Ellipse select tool   (b) Rectangle tool

    (c) Fuzzy select tool   (d) Free selection tool

(7) By which out of the following ways can you save aa file in GIMP ?

    (a) Go to File > Save   (b) Press Ctrl + S

    (c) Click on the "Save" icon in the toolbar   (d) All of these

(8) What is the effect of the <b> tag ?

    (a) Makes the text bold   (b) Makes the text italic

    (c) Makes the text underlined   (d) None of these

(9) What is meant by an empty tag in HTML ?

    (a) A tag that doesn't have any content   (b) A tag that is missing a closing tag

    (c) A tag that is not valid   (d) None of these

(10) What does HTML stand for ?

    (a) Hyper Text Markup Language   (b) Hyper Text Media Language

    (c) Hyper Text Modeling Language   (d) Hyper Text Markup Link

(11) Which HTML tag is used to create a list item ?

    (a)   (b)   (c) <dl>   (d)

(12) Which HTML attribute is used to specify the URL of the image file in the <img> tag ?

    (a) src   (b) href   (c) alt   (d) title

(13) Which of the following is not a valid image format for the <img> tag ?

    (a) JPEG (.jpg, .jpeg)   (b) PNG (.png)

    (c) GIF (.gif)   (d) TXT (.txt)

(14) When scammers are able to use a registered mobile number to illegally obtain a new SIM card through the mobile service provider, it is known as ………….

    (a) Credit card fraud   (b) Spamming   (c) SIM Swap Scam   (d) None of these

(15) What are the symptoms of a computer virus infection ?

    (a) Slow performance, frequent crashes and error messages

    (b) Pop-ups, unwanted advertisements and changes to the computer's settings

    (c) Loss of personal information, financial fraud and identity theft

    (d) All of the above

(16) Which kind of viruses have had the names of Wazzo and W97M ?

    (a) Worms   (b) Spams   (c) Spyware   (d) Macro virus

(17) What button do you press in Python to compile (run) your program so that it runs in the shell ?

    (a) F3   (b) F5   (c) F7   (d) F9

(18) ………………….. is the extension of a Python program.

    (a) .pyx   (b) .py   (c) .pt   (d) .pyt

(19) What is a variable ?

    (a) A box (memory location) where you store values

    (b) A type of graphics

    (c) Data type

    (d) A type of memory

(20) Numbers with a decimal point belong to a type called ……………….

    (a) Pointing   (b) Integers   (c) Decimal   (d) Float

II. Fill in the blanks : (Answer any 6) (6 X 1 = 6)

(**1**) People who are strong in ………………… intelligence are able to use words well, both when writing and speaking.

(**2**) …………………… coined the term "Artificial Intelligence'.

(**3**) The ability to learn or understand or to deal with new or trying situations is called ……………

(**4**) The full form of 'BARC' is …………………………………

(**5**) ……………….. systems can be trained using large volumes of data such as images, videos and text to identify and analyse objects and language.

(**6**) …………………… is a free PowerPoint plug in that develops subtitles in real time of what the teacher is saying.

(**7**) …………………… creates an artificial environment to inhabit.

(**8**) …………………… is a discontinued virtual reality platform which was developed by Google, primarily for use with a headset into which a smartphone is inserted.

III. Write down the expansions of the following : (4 X 0.5 = 2)

    (a) PNG   (b) TIFF   (c) JPEG   (d) BMP

SECTION B: SUBJECTIVE TYPE QUESTIONS

IV. Short Answer Type Questions: (Answer any seven) (7 X 2 = 14)

(**1**) Write two definitions of Artificial Intelligence.

(**2**) Discuss the use of artificial intelligence in the field of : (a) Sports   (b) Entertainment

(**3**) Describe the following elements of the GIMP interface.
   (a) Status bar   (b) Canvas

(**4**) Write down the basic structure of an HTML document.

(**5**) Mention the attributes used in the <ul> and <ol> tags.

(**6**) How is a hacker different from a cracker ?

(**7**) Write two differences between Augmented Reality and Virtual Reality.

(**8**) What are the two ways to use a Python interpreter ? Explain.

(**9**) What is a variable in Python ? Give two rules to follow when creating a variable.

(**10**) Define a data type in Python. List the five standard data types in Python.

V. Long Answer Type Questions : (Answer any four) (4 X 3 = 12)

(**1**) Define Intelligence and explain any two types of intelligence.

(**2**) Write a short note on HTML

(**3**) Write a program in HTML to create a homepage for your school website that includes the following :
    (a) Title   (b) List of School activities

(**4**) Differentiate between Viruses, Worms and Trojan horses.

(**5**) Write and explain any three applications of Python.

(**6**) Write a program in Python to input two numbers and display their sum and product.

*********** ALL THE BEST ************