O. P. JINDAL SCHOOL, SAVITRI NAGAR
Half Yearly Examination (2025–2026)

Class: VIII   **MM: 40**
Subject: Artificial Intelligence (AI)   **Time:1 Hr.**

Name:_____   Roll No.:_____

General Instructions: All questions are compulsory.

SECTION–A

Q1.Tick out the correct option: **(10x 01 =10 Marks)**

i) Which is the most commonly used network card
    a) Wi-Fi   b)Bluetooth
    c) Ethernet Network Card   d)Hub

ii) Which of these are sets of rules used for determining data transfer over the network
    a) Protocols   b) Network Cards   c) Programs   d) Password

iii) Which one of the following view displays the tables as a grid.

    a) Database   b) Datasheet   c) Design   d) Sheet

iv) How many primary keys are allowed in a table of a database?

    a) 2   b) 1   c) 10   d) Multiple

v) The full form of VIRUS is _____ Information Resources Under Seize.
    a) Virus   b) Vital   c) Various   d) Virtual

vi) The Program File Virus infects the _____ Files.

    a) Executable b) Graphic   c) Audio   d) Video

vii) Which one of the following is a type of Layer?

    a) Gradient   b) Timebar   c) Animate Edit Mode d) Pallete

viii) Which of the following panel shows the parameter of a layer?

    a) Layers   b) Params   c) Keyframe   d) Timebar

ix) _____ is responsible for developing software programs.

    a) Software Developer   b) Hacker

    b) Database Administrator   d) None of these

x) A technique in animation in which consecutive frames are layered translucently is known as

    a) Onion Skin   b) Masking
    c) Multiple Frame Animation   d) None of these

SECTION–B

Q2.Fill in the blanks: **(05 x 01 =05 Marks)**

    Hint:[Composite, PAN, 255, Gradient, Speed]

    i) _____ is a computer network created for an individual person.

    ii) The length of the text field can have a maximum of _____ characters.

    iii) Computer virus results in the loss of _____ and destruction of data.

    iv) _____ is the default setting for blend method.

    v) _____ is a type of layers which can be selected from the layer menu.

SECTION–C

Q3. Check whether the following statements are True or False: **(05x 01 =05 Marks)**

    i) AI cannot help in detecting diseases in early stages.

    ii) There are 13 categories of filters present in GIMP.

    iii) Antivirus is a hardware device to protect from viruses.

    iv) A table has three primary keys.

    v) Nodes and Servers have the same function.

SECTION–D

Q4.Short answer type questions: **(05 x02 =10 Marks)**

    i)   What is a Network?

    ii) What is a Database?

    iii) What is Computer Virus?

    vi) What do you mean by Onion Skin?

    iv) Define Watson?

SECTION–E

Q5.Answer the following questions: **(Any Two)**   **(02x05=10 Marks)**

    i) Explain Layers with example. What are the benefits of Layers?

    ii) Define Boot Sector Virus. How is it different from a Program File Virus?

    iii) What do you understand by DBMS? Write three advantages of DBMS.