O. P. JINDAL SCHOOL, SAVITRI NAGAR

Half Yearly Examination (2026–2027)

Class: XI **MM: 50**

Subject: Informatics Practices (065) **Time: 2 Hrs.**

General Instructions:

- **Section – A Multiple Choice Questions, consists of 10 questions. Each question carries 01 mark.**
- **Section – B Very Short Answer Type Questions, consists of 09 questions. Each question carries 02 marks. Attempt Any Seven Questions.**
- **Section – C Short Answer Type Questions, consists of 04 questions. Each question carries 03 marks.**
- **Section – D Long Answer Type Questions, consists of 01 question. Each question carries 04 marks.**
- **Section – E Very Long Answer Type Questions, consists of 03 questions. Each question carries 05 marks. Attempt Any Two Questions.**

SECTION–A

Q1. _____ technology makes user feel as if they truly are in a virtual environment.

a) NLP b) AR c) VR d) ML

Q2. Which of these is an example of cloud storage?

a) Google Drive b) MS Azure c) iCloud d) All of these

Q3. Which are not the potential applications of block chain?

a) Voting b) Online Gaming c) Health Records d) Fund Transfers

Q4. A block chain is secured by _____.

a) PIN code b) 'hash' code c) Password d) Login

Q5. Which of the following attributes can be considered as a choice for primary key?

a) Name b) Street c) Roll No d) Subject

Q6.An attribute in a relation is a foreign key if it is the _____ key in any other relation.

a) Candidate b) Primary c) Super d) Sub

Q7. A RDBMS consists of a collection of

a) Tables b) Fields c) Records d) Keys

Q8. It defines the structures of database components.

a) SQL b) DDL c) DML d) TCL

Q9. A disk-fragmentor is an example of

a) Application S/W b) System S/W c) Utility Program d) None of these

Q10. Which of the following is available without any payment?

a) Freeware b) Free software c) OSS d) FLOSS

SECTION–B

Q11. What is data Inconsistency?

Q12. What is cloud computing?

Q13. Write a query to display ename, sal and sal added with comm from table empl

Q14. Write a query to display the name of the employee whose name contains 'T' as the last alphabet.

Q15. Write a query to display names of pets whose owners are 'Benny' or 'Diane'.

Q16. What is Robotics? How are Robots useful?

Q17. What is System software?

Q18. What is IoT (Internet of Things)?

Q19. How does block chain works?

SECTION–C

Q20. What is Key Constraints? What is the need of Primary Key?

Q21. Write a query to list the details of all the employees whose annual salary is between 25000 – 40000.

Q22. Describe the terms free software and open source software.

Q23. What is Machine Learning? What are some applications of Machine Learning?

SECTION–D

Q24. Discuss all characteristics of Big Data?

OR

How is augmented reality different from virtual reality?

SECTION–E

Q25. Differentiate between Char and VarChar data type.

Q26. What is System utilities? Discuss some commonly used utility software.

Q27. List examples of Natural Language Processing (NLP) in Real Life.