

Total number of printed pages :3

NB/XII/IP/1

2024

INFORMATICS PRACTICES

Totalmarks:70

Time:3hours

General instructions:

- i) Approximately 15 minutes is allotted to read the question paper and revise the answers.
 - ii) The question paper consists of 22 questions. All questions are compulsory.
 - iii) Marks are indicated against each question.
 - iv) Internal choice has been provided in some questions.
- N.B:** Check that all pages of the question paper is complete as indicated on the top left side.

1. Choose the correct answer from the given alternatives: **10x1=10**

- (a) IP version 6 address is a _____ byte address.
 - i) four
 - ii) six
 - iii) eight
 - iv) sixteen
- (b) Which of the following is not true about open source software?
 - i) Freedom to use
 - ii) Freedom to modify
 - iii) Freedom to share
 - iv) Freedom to sale
- (c) Which of the following is not a swing class?
 - i) JFrame
 - ii) JLabel
 - iii) JButton
 - iv) ListBox
- (d) Which of the following is not a property of OOPS?
 - i) Inheritance
 - ii) Polymorphism
 - iii) Seperation
 - iv) Abstraction
- (e) Which statement is used to retrieve data from a table?
 - i) SELECT
 - ii) READ
 - iii) DISPLAY
 - iv) EXTRACT
- (f) CSS is an acronym of _____.
 - i) Cascading Style Sheet
 - ii) Cascading Style Syntax
 - iii) Changing Style Sheet
 - iv) None of these
- (g) Identify the odd one out.
 - i) ODBC
 - ii) MySQL/NET
 - iii) JDBC
 - iv) PHP
- (h) Which of the following is not a valid join in MySQL?
 - i) INNER join
 - ii) SELF join
 - iii) OUTER join
 - iv) ALPHA join

15. Define Logical operators in MySQL? List the different logical operations used in MySQL. **3**
16. What will be the output of the following SQL statements? **3**
i) SELECT POWER (2, 10); ii) SELECT MID ('SRIGANESH',1, 3);
iii) SELECT LPAD (120,'0', 5);
17. **a.** What is ENUM constraint? Explain it with an example. **3**
Or
b. Write short notes on: i) SET constraint ii) Default constraint
iii) Foreign key constraints
18. Define the following terms: **3**
i) De-normalization ii) Insertion anomaly
iii) First Normal Form (1NF)
19. **a.** What is Denial of Service(DoS) Attack? Explain the different types of DoS attack. **5**
Or
b. Write down five disadvantages of open source software.
20. **a.** Discuss any five methods of JComboBox Class. **5**
Or
b. What are the different properties of constructors?
21. **a.** Define a data driven application. Explain the various layers of data driven application. **5**
Or
b. Mention any five advantages of internet.
22. **a.** Describe the different elements of a database table. **5**
Or
b. What is a transaction? What are the different properties of a transaction?
