



BK BIRLA CENTRE FOR EDUCATION
SARALA BIRLA GROUP OF SCHOOLS
SENIOR SECONDARY CO-ED DAY CUM BOYS' RESIDENTIAL SCHOOL
ANNUAL EXAMINATION 2024-25
INFROMATION TECHNOLOGY (802)



Class: XI (SUBJECT-4)

Duration: 3 hrs.

Date:

Max Marks: 60

Name:

Exam No. :

General Instructions:

1. Please read the instructions carefully.
2. This Question Paper consists of 24 questions in two sections: Section A & Section B.
3. Section A has Objective type questions 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 (30 MARKS):**
 - i. This section has 06 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 (30 MARKS):**
 - i. This section has 18 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

Q.(1) Answer any 4 out of the given 6 questions on Employability Skills.

(4 x 1 = 4)

- (i) What is the purpose of communication ?
 - (a) Inform(tell someone about something)
 - (b) Influence (get someone to do something you want)
 - (c) Share thoughts, ideas, feelings
 - (d) All of the above
- (ii) refers to a group of people who have complementary skills and work towards a common goal.

| | |
|-----------|-------------------|
| (a) Group | (b) Company |
| (c) Team | (d) None of these |
- (iii) refers to the things people do to keep themselves neat and presentable.

| | |
|----------------|-------------------|
| (a) Team norms | (b) Team Process |
| (c) Grooming | (d) None of these |
- (iv) is not a word processor.

| | |
|--------------|-----------------------|
| (a) MS-Word | (b) OpenOffice Writer |
| (c) MS-Excel | (d) Google Docs |
- (v) The process of setting up a business is known as

| | |
|----------------------|-------------------|
| (a) Manufacturing | (b) Trading |
| (c) Entrepreneurship | (d) None of these |
- (vi) Expand UNEP

| | |
|---------------------------------------|--|
| (a) United nations Entertainment Plan | (b) United Nations Environment Program |
| (c) United nations Entry Program | (d) None of these |

Q.(2) Answer any 5 questions out of the given 7 questions on Computer Organization.

(5 x 1 = 5)

- (i)** What does the term IPO stand for in the context of computer operations ?
 - (a) Input-Process-Output
 - (b) Input-Program-Output
 - (c) Instruct-Process-Operate
 - (d) Input-Process-Operate
- (ii)** What is the advantage of using high level programming languages over machine language ?
 - (a) Faster execution
 - (b) Direct electric signal interpretation
 - (c) Simplicity for developers
 - (d) Better compatibility with binary code
- (iii)** Which of the following input devices is used to capture images of physical documents ?
 - (a) Scanner
 - (b) Mouse
 - (c) Keyboard
 - (d) Joystick
- (iv)** Which of the following is an example of an input-output device ?
 - (a) Printer
 - (b) Scanner
 - (c) Touchscreen
 - (d) Speakers
- (v)** Which of the following is not an example of an operating system ?
 - (a) Windows
 - (b) MacOS
 - (c) Linux
 - (d) Chrome
- (vi)** Mouse can stop working due to :
 - (a) Loose connection
 - (b) Internal damage
 - (c) Both (a) and (b)
 - (d) None of these
- (vii)** If you are faced with networking problems, you must press on Control Panel >
 - (a) Sharing Center
 - (b) Network
 - (c) Network and Sharing Center
 - (d) None of these

Q.(3) Answer any 6 questions out of the given 7 questions on networking and Internet.

(6 x 1 = 6)

- (i)** What is a node on a computer network ?
 - (a) A device that is not connected to the network
 - (b) A device that is connected to the network and has a unique network address
 - (c) A software program used for network management
 - (d) A protocol used for data transfer
- (ii)** What is a channel in a computer network ?
 - (a) A physical connection between devices
 - (b) A wireless connection between devices
 - (c) A communication path between two or more devices
 - (d) A network management software
- (iii)** What is the definition of digital literacy ?
 - (a) Basic computer skills
 - (b) Understanding, evaluating and using ICTs responsibly
 - (c) Knowledge of social media platforms
 - (d) Online gaming proficiency
- (iv)** Which network service is used for file transfers between a client and a server ?
 - (a) Email
 - (b) Telnet
 - (c) World Wide Web
 - (d) FTP (File Transfer Protocol)
- (v)** What is the main function of the World Wide Web (WWW) ?
 - (a) Sending emails
 - (b) File transfer
 - (c) Remote login
 - (d) Accessing and navigating web pages
- (vi)** passwords create vulnerabilities that can be exploited by any attacker.
 - (a) Strong
 - (b) Name based
 - (c) Weak
 - (d) Incomplete
- (vii)** The shortform of “Malicious software” is :
 - (a) Maliware
 - (b) Muscware
 - (c) Malicware
 - (d) Malware

Q.(4) Answer any 5 questions out of the given 6 questions on Office Automation Tools.

(5 x 1 = 5)

- (i) What is the purpose of Word Processing software ?
 - (a) Editing images
 - (b) Managing databases
 - (c) Creating Spreadsheets
 - (d) Creating and editing text documents
- (ii) What type of software is OpenOffice Writer ?
 - (a) Graphic design software
 - (b) Video editing software
 - (c) Word processing software
 - (d) Web browsing software
- (iii) Which software from LibreOffice is for spreadsheet ?
 - (a) Writer
 - (b) Excel
 - (c) Halo
 - (d) Calc
- (iv) By default, how many sheets are there in a newly opened spreadsheet ?
 - (a) Three
 - (b) Two
 - (c) One
 - (d) Four
- (v) With OpenOffice You can explore a wide range of slide transition effects and animation options.
 - (a) Calc
 - (b) Writer
 - (c) Impress
 - (d) Draw
- (vi) Which element of the Impress interface is present at the bottom of your window ?
 - (a) Menu Bar
 - (b) Work Area
 - (c) Scroll Bar
 - (d) Status Bar

Q.(5) Answer any 5 questions out of the given 6 questions on RDBMS.

(5 x 1 = 5)

- (i) What does RDBMS stand for ?
 - (a) Rapid Database Management System
 - (b) Relational Database Management System
 - (c) Resourceful Data Backup Management System
 - (d) Recursive Database Model System
- (ii) What is MySQL ?
 - (a) A programming language
 - (b) A software for managing databases
 - (c) A graphical design tool
 - (d) A data visualisation tool
- (iii) Which language is used to manage data in a database ?
 - (a) Java
 - (b) HTML
 - (c) SQL
 - (d) C++
- (iv) Which statement is used to insert a row in a table ?
 - (a) ADD ROW
 - (b) INSERT ROW
 - (c) CREATE ROW
 - (d) PUT ROW
- (v) What is the purpose of the SELECT statement ?
 - (a) To update data in a table
 - (b) To delete data from a table
 - (c) To insert data into a table
 - (d) To retrieve data from a table
- (vi) What command means “display all columns” ?
 - (a) SHOW COLUMNS
 - (b) DISPLAY COLUMNS
 - (c) LIST COLUMNS
 - (d) SELECT *

Q.(6) Answer any 5 questions out of the given 6 questions on Fundamentals of Java. (5 x 1 = 5)

- (i) GUI stands for ?
- (ii) The getText() is used to text.
- (iii) Which operator is used to perform addition in Java ?
 - (a) +
 - (b) -
 - (c) *
 - (d) /

- (iv) What will be the value of x after the following code :
- ```
int x = 5;
x += 3;
```
- (a) 8 (b) 5 (c) 3 (d) 15
- (v) What is the result of the expression 8%3 in Java ?
- (a) 2 (b) 3 (c) 2.67 (d) 2.0
- (vi) Which operator is used to increment a variable by 1 in Java ?
- (a) ++ (b) -- (c) += (d) \*=

## **SECTION B: SUBJECTIVE TYPE QUESTIONS**

**Answer any 3 out of the given 5 questions on Employability Skills (3 x 2 = 6)**

- Q. (7) Explain the 7Cs of effective communication.
- Q. (8) Write and explain any four points that are the part of the personal grooming checklist.
- Q. (9) What is a word processor ? Mention its advantages over the use of typewriter.
- Q. (10) What are the three types of business activities ? Explain.
- Q. (11) What is green economy ? Explain its components.

**Answer any 3 out of the given 5 questions on Subject Specific Skills. (3 x 2 = 6)**

- Q.(12) Differentiate between hardware and Software. Give examples.
- Q.(13) What is the purpose of digital literacy ? What are some aspects of digital literacy related to online safety ?
- Q.(14) How do you save a file ? Explain the difference between the two save commands.
- Q.(15) Write and explain any four advantages of DBMS.
- Q.(16) Write a short note on variables and naming convention for variables in Java.

**Answer any 2 out of the given 3 questions on Subject Specific Skills. (2 x 3 = 6)**

- Q.(17) Explain different types of network topology with the help of diagram..
- Q.(18) Describe the following types of data that can be entered in a cell.
- (a) Labels or Text (b) Number or Values (c) Formula
- Q.(19) Describe the following : Primary key, Foreign key and Candidate key.

**Answer any 3 out of the given 5 questions on Subject Specific Skills. (3 x 4 = 12)**

- Q.(20) What general procedures must you follow if any peripheral (I/O) device is not working ?
- Q.(21) Explain any four Protective Measures while accessing internet.
- Q.(22) What are the different view options in OpenOffice Impress ? Explain.
- Q.(23) Consider the following table : (Table Name : Employee)

| Ecode | Name    | Dept     | DOB        | Gender | Designation | Salary |
|-------|---------|----------|------------|--------|-------------|--------|
| 101   | Sunita  | Sales    | 06-06-1995 | F      | Manager     | 25,000 |
| 102   | Neeru   | Office   | 05-07-1993 | F      | Cerk        | 12,000 |
| 103   | Raju    | Purchase | 05-06-1994 | M      | Manager     | 26,000 |
| 104   | Neha    | Sales    | 08-08-1995 | F      | Accountant  | 18,000 |
| 105   | Nishant | Office   | 08-10-1995 | M      | Clerk       | 10,000 |
| 106   | Vinod   | Purchase | 12-12-1994 | M      | Clerk       | 10,000 |

Write the SQL command for the following statements :

- (a) Display the entire table.
- (b) Display those records having female employees.
- (c) Display Name and Department of those employee who have salary more than 15,000.
- (d) Display those records where employees have clerk designation.

**Q.(24)** Write the steps to create a new Form in Java.

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