



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-5)

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) Choose the correct example of oral communication.

(a) Reports	(b) Newspapers
(c) Face-to-face interaction	(d) Notes
- (ii) refers to knowing one's potential by examining and analyzing intellectual and spiritual capacities.

(a) Self management	(b) Self exploration
(c) Grooming	(d) Intelligence
- (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 an alignment option in OpenOffice writer.

(a) Left	(b) justified
(c) Squeeze	(d) Right
- (v) are basically the beliefs about what matters the most, how to behave and which goals are important to achieve.

(a) Values	(b) Perseverance
(c) Attitude	(d) None of these
- (vi) comes from natural sources or processes that are constantly replenished.

(a) Non renewable energy	(b) Renewable energy
(c) Green Energy	(d) None of these

Q.(2) Answer any 6 questions out of the given 7 questions on Computer Organization.

(6 x 1 = 6)

- (i) What does the term 'IPO' stand for in the context of computer operation.
(a) Input-Process-Output (b) Input-Program-Output
(c) Instruct-Process-Operate (d) Input-Process-Operate
- (ii) In the binary number system, what does the digit "1" represent?
(a) False (b) High voltage
(c) Binary (d) Low voltage
- (iii) What is the main advantage of using an SSD over an HDD?
(a) Higher capacity (b) Slower speed
(c) Mechanical components (d) Faster speed
- (iv) What type of memory is volatile and loses its data when the computer is turned off?
(a) ROM (b) Cache memory
(c) SSD (d) RAM
- (v) What type of operation is the Arithmetic Logic Unit (ALU) responsible for?
(a) Managing memory storage (b) Directing data flow within the CPU
(c) Arithmetic and Logical operations (d) Interpreting instructions
- (vi) Which of the following input device is used to capture images of physical documents?
(a) Scanner (b) Mouse
(c) Keyboard (d) Joystick
- (vii) Which of the following output devices produces hard copies of digital documents?
(a) Printer (b) Monitor
(c) Speakers (d) Microphone

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

(6 x 1 = 6)

- (i) What does DNS Stand for in the context of the Internet?
(a) Domain Name Service (b) Digital Networking System
(c) Data Node System (d) Device Network Service
- (ii) What is the latest version of Internet protocol?
(a) IPv5 (b) IPv6
(c) IPv7 (d) IPv8
- (iii) In which year was ARPANET created by US Department of Defence?
(a) 1950s (b) 1960s
(c) 1970s (d) 1980s
- (iv) Who introduced the concept of communication?
(a) Donal Davies (b) Alexander Graham Bell
(c) Len Kleinrock (d) National Science Foundation
- (v) Which protocol allows communication between heterogeneous networks?
(a) ARPANET (b) PSIN
(c) TCP/IP (d) Digital packet Switching.
- (vi) Which network device is used to regenerate and boost weak signal?
(a) Router (b) Repeater
(c) Hub (d) Gateway
- (vii) Which Topology requires the least cabling?
(a) Bus Topology (b) Ring Topology
(c) Star Topology (d) Mesh Topology

.(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 database
 - (c) Creating spreadsheet
 - (d) creating and editing word documents
- (ii) Which tab in OpenOffice write used for commands like create, save, print, open and close?
 - (a) Edit tab
 - (b) View tab
 - (c) Tools tab
 - (d) Format tab
- (iii) Which menu of OpenOffice Calc will need to be used for using macros?
 - (a) Insert
 - (b) Format
 - (c) Tools
 - (d) Window
- (iv) By default how many sheets are there in a newly opened spreadsheet?
 - (a) One
 - (b) Two
 - (c) Three
 - (d) Four
- (v) In copying the data and moving the data, the common part is the:
 - (a) Paste operation
 - (b) Format
 - (c) Cut
 - (d) Autofill
- (vi) With OpenOffice.....we can explore a wide range of slide transition effects and animation option.
 - (a) Calc
 - (b) Writer
 - (c) Impress
 - (d) Draw

Q.(5) Answer any 5 questions out of the given 6 questions on Relational Database Management System.

(5 x 1 = 5)

- (i) Which language is sued to manage data in a database?
 - (a) SQL
 - (b) Java
 - (c) HTML
 - (d) Python
- (ii) What is MySQL?
 - (a) A programming language
 - (b) A software for managing database
 - (c) A graphical design tool
 - (d) A data visualization tool
- (iii) What are the various types of MySql commands?
 - (a) Procedural language
 - (b) DDL,DML,DCL
 - (c) Frontend and backend
 - (d) Conditional and iterating
- (iv) What is the ALTER TABLE statement used for?
 - (a) Adding new column to a table
 - (b) To remove specific column from a table
 - (c) Renaming database
 - (d) Modifying the data inside a table.
- (v) Which statement is used to insert a row in a table?
 - (a) Add Row
 - (b) Insert Row
 - (c) Create Row
 - (d) Put Row

- (vi) What is the purpose of the select statement?
- (a) To update data in table
 - (b) To delete data from a table
 - (c) To insert data into a table
 - (d) To retrieve data from a table

Q.(6) Answer any 4 questions out of the given 6 questions on Fundamentals of Java. (4 x 1 =4)

- (i) What is the result of the expression $8\%3$?
- (a) 2
 - (b) 3
 - (c) 2.67
 - (d) 2.0
- (ii) Which operator is used to compare if two values are equal in java?
- (a) =
 - (b) ==
 - (c) !=
 - (d) <=
- (iii) Which operator is used to perform logical AND operator in java?
- (a) &&
 - (b) &
 - (c) @
 - (d) \$
- (iv) Which operator is used to increment a variable by 1 in java?
- (a) ++
 - (b) +1
 - (c) +=
 - (d) *=
- (v) What will be the value of x after the following code `int x=5;x+=3;`
- (a) 6
 - (b) 7
 - (c) 8
 - (d) 9
- (vi) Which operator is used for exponentiation 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) What is communication? Name 7 Cs of effective communication.

Q. (8) How can loss of individuality influence team work?

Q. (9) Define Word Processor? Mention its advantages over the use of typewriter.

Q. (10) Who is an entrepreneur? What are the three types of business activities?

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) Give any three reasons why a printer may not work.

Q.(13) What is computer network ? What type of devices can be connected to a PAN network?

Q.(14) Define the purpose of various tabs provided in OpenOffice Writer.

Q.(15) Which keywords removes redundant data from display. Explain with example.

Q.(16) What is Class in Java?

Answer any 2 out of the given 3 questions on Subject Specific Skills.

(2 x 3 = 6)

Q.(17) What is the main function of repeater in a network? How does it work?

Q.(18) Define charts and graphs. Explain the various types of charts available in spreadsheet.

Q.(19) Explain what is MySQL? List important features of MySQL.

Answer any 3 out of the given 5 questions on Subject Specific Skills.

(3 x 4 = 12)

Q.(20) What general procedure must you follow if any peripheral device is NOT working ?

Q.(21) Write short notes on network topology. Explain the different types of Topology.

Q.(22) What can a presentation software used for? Explain any three views in which slides of impress can be viewed.

Q.(23) Define DBMS. Write the advantages of DBMS. State the various DML command with their corresponding functions.

Q.(24) What is NetBeans? What are the various components used to create a GUI front end interface?

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