NOTE: 1. Attempt both questions.
2. Figures to the right indicate marks

Q1 **Answer the Following.**

A. What is research? Discuss its purpose. **(8)**

B. Differentiate between quantitative and qualitative research. **(7)**

OR

Answer the Following.

C. Explain the journey of research from idea to publication. **(8)**

D. Explain the types of research. **(7)**

Q2 **Answer the Following.**

A. What is a research proposal? Discuss its structure. **(8)**

B. Differentiate between explorative and experimental research design. **(7)**

OR

C. Define research design. and explain its importance. **(8)**

D. What are the barriers to formulating a hypothesis? **(7)**

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Attempt Any Three

Q.1 Answer the Following: **10M**

1. What do you mean by Johari Window? Explain various aspects to be considered while giving effective feedback.

2. Describe how self-disclosure and feedback play an important role in determining the window in which we operate them.

Q.2 Answer the Following: **10M**

1. Define Stress. What are the causes of stress?

2. Describe in brief the extreme effects of stress.

Q.3 Answer the Following: **10M**

1. What are the different methods of problem solving?

2. Describe the different barriers to problem solving.

Q.4 Answer the Following: **10M**

1. Define values and describe the different types of values.

2. Why is value-based education important?

Q.5 Answer the Following: **10M**

1. What are the differences in the values of different generations?

2. Write a short note on Nature and Characteristics of values.

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1. Attempt any three of the following (15)

a) What is R Programming? What are its main characteristics?

b) List and define some basic data types with an example.

c) Explain shuffling a Deck with multiple examples.

d) What is a Package in R, and how do you install and load the packages?

e) Explain the Function Constructor with an example.

f) Explain atomic vectors in R.

2. Attempt any three of the following (15)

a) What are attributes in R, explain with suitable examples

b) What is Strategy in R Programming? Explain in brief.

c) Explain parallel cases with a diagram and how they work.

d) How do you write vectorized code?

e) How do you write fast FOR Loops in R?

f) What is the significance of the naming convention in S3 method dispatch in R?

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Note : (1) **All** questions are **compulsory.**
        (2) Make **Suitable assumptions** wherever necessary and **state the assumptions** made.
        (3) Answers to the **same question** must be **written together**.
        (4) Numbers to the **right** indicate **marks**.
        (5) Draw **neat labeled diagrams** wherever **necessary**.
        (6) Use of **Non-programmable** calculators is **allowed.**

Q.1   Attempt ANY THREE from following   15 Marks
   a) Explain different types of list in HTML.
   b) What is CSS? Explain external CSS with example.
   c) Write short note on client side image mapping.
   d) Write a HTML code to create a registration form. Make use of at least three additional input types of HTML files.
   e) Explain following tags
       i. <table> 2) <th> 3) <tr> 4) <td> 5) <caption>
   f) Explain <AUDIO> tag with its attributes.

Q.2   Attempt ANY THREE from following   15 Marks
   a) Explain comparison and logical operators in JavaScript.
   b) Explain Conditional statements in JavaScript.
   c) Explain any 5 Methods of STRING Object.
   d) What is Event Handler? Explain the following event Handlers with suitable example
       a. OnClick b) OnChange c) OnFocus d) OnBlur
   e) Explain show() and hide() JQuery effects with suitable example.
   f) What is JSON? Explain basic structure of JSON with example.

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Q.1 Attempt either A & B Or C & D.   **15M**

    A. Explain characteristics of Object Oriented Programming.

    B. Explain the types of constructors in C++.

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OR

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    C. What is class? Explain the methods for defining member functions in C++.

    D. What is inheritance? Explain types of it in C++.

Q.2 Attempt either A & B Or C & D.   **15M**

    A. What is Polymorphism? Explain the types of it in Detail.

    B. Explain this pointers with program examples.

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OR

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    C. Explain Exceptional handling with examples.

    D. What is File? Explain various file operations used in C++.

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GES/SBVC/BVL

Sem End/EXAM/ APRIL 2025

DATE : 09/04/2025

TIME: 11.00am TO 12.00noon

CLASS : F.Y.B.Sc. [IT] –SEM II

Marks: 30

SUBJECT : Environment Education II

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Q.1 Attempt any ONE from the following. 10M

A. Define the term Sustainability and Explain the principles of it.

B. Explain the importance of energy conservation.

Q.2 Attempt any ONE from the following. 10M

A. Define the term Environmental ethics and explain its importance.

B. What are the simple gestures of environmental respects?

Q.3 Write a short note on any TWO from the following. 10M

A. Environmental Stewardship.

B. Social Sustainability.

C. Recycling and reuse of resources.

D. Types of energy resources.

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Date:- 16|04|2025   Time:- 11.00 am to 12.00 noon Class: FYBSc IT / FYBAF

Subject: Foundation and Exploration of Performing and Fine Arts (Students' Council)   30 Marks

Note: 1) All questions are compulsory. 2) Figures to the right indicate maximum marks.

Q.1) Choose the correct answer from the options given below (Any Six)   (06 Marks)

1) What is the primary medium used in performing arts?
a) Canvas
b) Human body and voice
c) Clay
d) Stone

2) What is the Sanskrit term for "theatre", encompassing drama, dance, and music in ancient Indian traditions?
a) Shilpa
b) Natya
c) Chitra
d) Kavya

3) Improvisation in theatre helps actors:
a) Memorize their script faster
b) Think on their feet and adapt to changes
c) Ignore the emotions of the character
d) Perform the same script without deviation

4) Voice modulation primarily involves changes in:
a) Volume and pitch
b) Costume and makeup
c) Stage setting
d) Lighting

5) Which of the following ancient structures reflects the influence of aesthetic art in sacred architecture?
a) Kailasa temple
b) Red Fort
c) Qutb Minar
d) Rashtrapati Bhavan

6) Which of the following is a significant art form of the Indus Valley Civilization?
a) Sculptures of deities
b) Seals with inscriptions
c) Miniature paintings
d) Frescoes

7) Which tribal art form is known for its intricate patterns and mythological themes?
a) Madhubani
b) Pattachitra
c) Warli
d) Kalamkari

P. T. O.

8) Which of the following is an essential skill for a career in fine arts?
a) Programming
b) Financial analysis
c) Creativity
d) Legal drafting

9) Which of the following is a common career option in fine arts?
a) Investment banking
b) Advertising and illustration
c) Cybersecurity
d) Civil engineering

10) Who painted "Bharat Mata," an iconic work of Indian art?
a) Abanindranath Tagore
b) Amrita Sher-Gil
c) Raja Ravi Varma
d) M.F. Husain

Q.2) Answer the following questions.   **(06 Marks)**

a) Discuss the significance of Performing Arts in India.

b) Highlight the tips to improve voice modulation and projection.

Q.3) Answer the following questions.   **(06 Marks)**

a) Discuss the benefits of Emotional Exploration in Performing Arts.

b) What career options are available in the performing arts industry?

Q.4) Answer the following questions.   **(06 Marks)**

a) Discuss the contribution of folk and tribal art forms to India's cultural heritage.

b) Explain the challenges in the revival and presentation of ancient Indian art forms.

Q.5) Answer the following questions.   **(06 Marks)**

a) Explain the contributions of an eminent contemporary Indian artist of your choice.

b) Discuss the modern trends in Indian art.

...X...

N. B: 1. **All questions are compulsory.**
    2. Figures to the right indicate full marks.
    3. Draw neat labelled drawings wherever necessary.

Q. 1 Select the most appropriate answer from the option given below   **6 Marks**

1. Which SDG focuses on zero hunger?

    a. SDG 4
    b. SDG 2
    c. SDG 6
    d. SDG 3

2. Which of the following is not a characteristic of a social leader?

    a. Intuition
    b. Vulnerability
    c. Rigidity
    d. Empathy

3. Which of the following is a key trait of an ineffective NSS leader?

    a. Empathy
    b. Lack of active listening
    c. Transparency
    d. Resilience

4. Which principle is emphasized in NSS regular activities?

    a. Individualism
    b. Centralisation
    c. Community Participation
    d. Profit Generation

5. In which leadership style leaders not involve others in decision making ?

    a. Autocratic
    b. Participative
    c. Democratic
    d. Laissez-faire

6. _____ Special Residential Camp organized by the NSS unit in a adopted village

    a. 5 Days
    b. 3 Days
    c. 8 Days
    d. 7 Days

Q.2 Short Notes: (Any 2 out of 4)   **6 Marks**
   a. NSS Special residential Camp
   b. Educational Programme
   c. Characteristics of Social Leader
   d. Transactional Theory

Q. 3. Answer the following questions (Any 3 out of 5)   **18 Marks**
   a. Discuss on Trait Theory and Behavioural Theory of leadership.
   b. What are the objectives of NSS?
   c. Discuss the theories of personality.
   d. Explain in detail about the NSS regular activities.
   e. Write a report on Health and Nutrition Programme.

Note: 1. All questions are compulsory.

       2. Figures to the right indicate maximum marks.

Q.1. Rewrite the following statement by choosing correct alternative.   **06**

1. Which international organization works actively to eliminate child labour worldwide?

A) UNESCO   B) WHO   C) ILO   D) UNICEF

2. What is the minimum voting age in India as per the 61st Constitutional Amendment Act, 1988?

A) 16 years   B) 18 years   C) 21 years   D) 25 years

3. How many articles are there in the Universal Declaration of Human Rights (UDHR)?

A) 20   B) 25   C) 30   D) 35

4. What is the officially recognized age for a person to be considered a senior citizen in India?

A) 58 years   B) 60 years   C) 62 years   D) 65 years

5. Which of the following elections in India allows voting through the Electoral College?

A) Lok Sabha Elections   B) Rajya Sabha Elections

C) Presidential Elections   D) State Assembly Elections

6. If someone is bleeding heavily, what is the best way to stop the bleeding?

a) Apply a tourniquet immediately   b) Use cold water to clean the wound

c) Apply direct pressure with a clean cloth   d) Let it bleed to remove bacteria

Q.2. Write short Notes On (Any Two out of Four).   **06**

1. Essential procedures on Fractures.

2. Economic Consequences of Child Labours.

3. Government support to Senior Citizens.

4. Challenges and importance of Human Rights.

Q.3. Answer the following questions. (Any Three out of Five).   **18**

1. What are the essential procedures on Electric Shocks?

2. What are the types of Child Labours?

3. What are the Characteristics and Types of Human Rights?

4. Discuss about Voting Rights.

5. What are the Rights and Challenges of Senior Citizens?

DATE : 08/04/2025   TIME: 11.00am TO 12.00noon

Class : FY BSc.IT Sem II

SUB : मुद्रित-माध्यमांसाठी-लेखन-कौशल्ये-1   Marks: 30

Note: 1. All questions are compulsory.
       2. Figures to right indicate marks.

प्रश्न १. मुद्रित माध्यमे म्हणजे काय? मुद्रित माध्यमांसाठीची लेखन कौशल्यांचा उपयोग लिहा.   [१० गुण]

किंवा

प्रश्न १. बातमी लेखन म्हणजे काय ते सांगून बातमी लेखनाचे प्रकार लिहा.

प्रश्न २. स्तंभलेखन म्हणजे काय ते सांगून स्तंभ लेखनाचे घटक लिहा.   [गुण १०]

किंवा

प्रश्न २. जाहिरात लेखन म्हणजे काय ते सांगून जाहिरात लेखनाचे प्रकार सविस्तर सांगा.

प्रश्न ३. खालील पैकी कोणत्याही <u>दोन</u> टिपा लिहा.   [गुण १०]

1. मुद्रित माध्यमांचे प्रकार
2. बातमी लेखनाचे महत्त्व (कोणतेही पाच मुद्दे)
3. स्तंभलेखनाचे प्रकार
4. जाहिरात लेखनाची उद्दिष्टे (कोणतेही ५ मुद्दे)

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GES/SBVC/BVL

DATE : 08/04/2025

CLASS : F.Y.B.Sc. [IT] –SEM II

Sem End/EXAM/ APRIL 2025

TIME: 11.00am TO 12.00noon

Marks: 30

विषय : हिंदी-भाषा-कौशल्-के-आधार

निम्नलिखित तीन में से किन्हीं दो प्रश्नों के उत्तर लिखिए 30

1. लेखन कौशल की उपयोगिता और इसके महत्व का वर्णन कीजिए

2. वाचन कौशल की विभिन्न विधियां का वर्णन करते हुए उनके प्रयोग समझाइए और श्रवण कौशल की भूमिका का वर्णन कीजिए

3. लेखन कौशल की विभिन्न विधियां का विस्तार पूर्वक वर्णनकीजिए

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