

260316

NASC1226

प्रथम वर्ष/सेमिस्टर - II / AEC- हिंदी भाषा : कौशल के
आधार (Language Skill in Hindi)

समय : 01 घंटे

अंक : 30

सूचना: 1) प्रश्न क्रमांक 1 से 6 में से किन्हीं 4 प्रश्नों के उत्तर लिखिए

(Attempt any four out of six questions)

2) सभी प्रश्नों को समान अंक हैं।

प्रश्न 1. भाषा कौशल का अर्थ समझाकर वाचन कौशल की विधियाँ लिखिए ?

प्रश्न 2. शिक्षा के क्षेत्र में लेखन कौशल का महत्व बताकर उनकी विशेषताएं लिखिए?

प्रश्न 3. वाचन कौशल के अर्थ, स्वरूप और महत्व को विश्लेषित कीजिए ?

प्रश्न 4. भाषा कौशल का अर्थ बताकर उनके प्रकारों पर विस्तृत चर्चा कीजिए ?

प्रश्न 5. शिक्षा के क्षेत्र में श्रवण कौशल का महत्व बताकर उनकी विशेषता लिखिए ?

प्रश्न 6 प्रभावी संवाद में भाषण और श्रवण कौशल की भूमिका का वर्णन कीजिए ?

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260316

AEC- URDU

NASC/226

Urdu Communication Skill-I

(Semester- II)

Timing: 01: Hours

Marks: 30

ہدایات:

ہر جواب سے پہلے متعلقہ سوال ضرور نقل کریں۔
سبھی سوالات کے نمبر مساوی ہیں۔

10

سوال نمبر 1:

املا کی اہمیت اور اس کے ادبی اثرات پر روشنی ڈالیے۔

یا

لہجہ اور تلفظ کی درست گفتگو کو کس طرح موثر بناتی ہے؟ وضاحت کیجیے۔

10

سوال نمبر 2:

رموزِ اوقاف کی اہمیت بیان کرتے ہوئے مثالیں دیجیے۔

یا

(ب) قواعد کی ضرورت و افادیت پر مختصر مگر جامع نوٹ لکھیے۔

10

سوال نمبر 3:

مندرجہ ذیل میں سے کسی دو پر مختصر نوٹ لکھیے:

(الف) زبانی مواصلات کی خصوصیات

(ب) غیر زبانی مواصلات کی اہمیت

(ج) موثر گفتگو کے اصول

260318

RIZVI EDUCATIONS SOCIETY'S

NASC 1226

RIZVI COLLEGE OF ARTS, SCIENCE & COMMERCE, BANDRA(W), MUMBAI

NEP – 2020 – END OF SEMESTER EXAMINATION – A / Y : 2025 – 26

Paper : FOUNDATION AND EXPLORATION OF PERFORMING AND FINE ARTS
Credits : 02 **Max Marks : 30** **Max Time : 1 hr**
Class : FYBA / BSC / BCOM / BMS / BBI / BAF / BAMMC / CS / IT **SEM : II**

Q.1. Multiple Choice Questions : [06]

1. The ancient Indian treatise on performing arts, "Natya Shastra," was articulated by _____.
(Kalidasa, Sage Bharata, Tulsidas)
2. _____ is NOT a primary element of performing arts as per the foundation modules.
(Digital Marketing, Abhinaya, Raga)
3. The traditional folk dance "Lavani" belongs to _____.
(Punjab, Gujarat, Maharashtra)
4. _____ civilization is credited for the earliest roots of Indian artistry.
(Indus Valley, Roman, Egyptian)
5. Modern Indian performing arts that blend traditional forms with global influences is known as _____.
(Ritualistic Arts, Ancient Arts, Fusion Arts)
6. The career path specifically mentioned under Performing Arts is _____.
(Chemical Engineering, Script Interpretation and Scene Study, Civil Services)

Q2. Attempt any 2 out of 4 (3 marks each) [06]

1. Define "Natya" as per the ancient Indian traditions.
2. Briefly explain the role of Rhythm (Tala) and Melody (Raga) in a performance.
3. How do performing arts act as a vehicle for Spiritual Connection?
4. State the importance of Voice Modulation in enhancing a performance.

Q3. Attempt any 2 out of 4 (3 marks each) [06]

1. What is the significance of Character Development in drama?
2. Briefly explain the concept of Improvisation Skills for an artist.
3. Define Emotional Exploration and its role in "Abhinaya" (expression).
4. List two career options available specifically in the field of Performing Arts.

Q4. Attempt any 2 out of 4 (3 marks each) [06]

1. Describe the impact of aesthetic art on Sacred Architecture (temples/monuments).
2. Name and briefly describe any two Folk or Tribal art forms of India.
3. Why is the Revival and Preservation of ancient Indian art necessary today?
4. How did the Indus Valley Civilization contribute to the early foundations of Indian art?

Q5. Attempt any 2 out of 4 (3 marks each) [06]

1. Discuss one major Modern Trend currently seen in Indian Art.
2. Name two Eminent Contemporary Artists of India.
3. Explain how Digital Platforms have created new opportunities for modern artists.
4. Identify three diverse Career Options in Fine Arts.

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Programme Name (With Year): FY-DLLE

NASC/226

Semester: II

Max Time: 01 hour

Max Marks: 30

Title of the paper : Extension Work

Credits: 02

1. Fill in the blanks by choosing correct alternative given in the bracket. (6 Marks)

- i) _____ is a basic consumer right. (Right to vote / Right to choose)
- ii) Awareness and education together create a _____ society. (careless / progressive)
- iii) An old age home is a place where _____ (children study /old people live and get care)
- iv) Sunita Williams is famous for her work as a/an _____ (doctor / astronaut)
- v) Education helps women become more _____ (silent / confident)
- vi) In the Vedic Period, women were given _____ (no rights /equal respect and education)

2. Write short notes on any two of the following. 6 marks

- i) Impact of child labour on the health of children.
- ii) Position of women in Vedic period.
- iii) Basic consumer rights under the Consumer Protection Act 2019.
- iv) Achievements of women in India and mention any two famous personalities.

3. Answer in detail on any three of the following. 18 marks

- i) Causes of child labour.
- ii) Notable Indian women achievers.
- iii) Definition and benefits of old age homes.
- iv) Rights of Consumers under the Consumer Protection Act,2019.
- v) Current status of women in India.

THE END

2-60318

RIZVI COLLEGE OF ARTS , SCIENCE AND COMMERCE

NASC1226

NSS

FYBCOM Sem-II

Duration:1 hour

Max marks:30

Q1. Rewrite the following by choosing the correct options given below

(6 marks)

1. What is the main focus of SDG 17?

- a) Partnerships for the Goals
- b) Peace, Justice, and Strong Institutions
- c) Reduced Inequalities
- d) Sustainable Cities and Communities

2. Socio-economic survey is conducted to understand:

- a) Weather conditions
- b) Social and economic conditions
- c) Student attendance
- d) Exam pattern

3. Which of the following is a key recommendation for promoting partnership?

- a) Foster global cooperation
- b) Drive transitions in key sectors
- c) Engage stakeholder
- d) All of the above

4. Nature camp helps in promoting:

- a) Environmental awareness
- b) Computer skills
- c) Office work
- d) Exam preparation

5. Which value is essential for fostering individual growth?

- a) Responsibility
- b) Gratitude
- c) Critical thinking
- d) All of the above

6. Environmental education mainly teaches about:

- a) Business laws
- b) Protection of environment
- c) Banking system
- d) Taxation

Q2. Write Short Notes (Any 2 out of 4)

(6 marks)

1. Financial literacy in Slums
2. Tree Plantation Drive (purpose, activities)
3. Importance of Ethics for Youth
4. Objectives of Camp in Rural Areas

Q3. Answer the following (Any 3 out of 5)

(18marks)

1. What are the activities Conducted in Personality Development?
2. Explain Shramdaan and its significance in Social development.
3. Define leadership and explain the qualities of good leader.
4. Explain the following in relation to conducting a Rally-
 - (a) Objectives and Theme of a Rally
 - (b) Planning Rally
5. Explain the steps involved in organising Blood donation camp?

NCC

260318

[Time : One Hour]

NABC1226

[Marks : 30]

- NB :
1. Attempt any Three Questions
 2. All questions carry equal marks.
 3. Figures to the right indicate maximum marks.

1. Answer any two of the following [10]
 - 1) What is Magnetic Variation (Declination), and why is it important for navigation?
 - 2) Explain the concept of a grid reference and the specific steps required to interpret a six-digit grid reference on a map?
 - 3) What is the definition of scale, and what are the different ways it can be displayed or communicated on a map?
 2. Answer any two of the following [10]
 - 1) What are the key elements of a successful Public Speaking?
 - 2) What are the "Dos and Don'ts" of a Group Discussion?
 - 3) Identify four Leadership Traits that contribute most to team morale.
 3. Can you describe your journey in the NCC and share the key lessons or skills you gained from it? [10]
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Instructions:

- 1) All questions are **compulsory**.
 - 2) Mixing of sub questions are not allowed.
 - 3) Write in clear, legible, writings.
-

Q. I Attempt any two: (10 Marks)

- A) Explain the concept of recursion in programming with a brief note.
- B) Define stack in data structures and explain its basic operations.
- C) Describe the binary search technique and explain how it works.
- D) Discuss the different stages involved in the analysis of an algorithm.

Q. II Attempt any two: (10 Marks)

- A) Write a short explanatory note on merge sort.
- B) Compare selection sort and insertion sort with suitable points of difference.
- C) Explain the various types of complexity used in data structures.
- D) Briefly describe the concept of backtracking in programming.

Q. III Attempt any two: (10 Marks)

- A) What is linear search? Explain its working briefly.
- B) Write a short note on the bubble sort technique.
- C) Explain dynamic programming and discuss its importance in problem solving.
- D) State and explain the advantages and disadvantages of the divide and conquer technique.

=====XXXXXXXXXXXXXXXX=====

INTRODUCTION TO OOP USING C++**Instructions:**

- 1) All questions are **compulsory**.
 - 2) Mixing of sub questions is not allowed.
 - 3) Write in clear, legible, writing.
-

Q1) Attempt any two: (10)

- A) Design a class named 'Stock' that contains: a data field named symbol for the stock's symbol, a data field named name for the stock's name, a data field named 'previousClosingPrice' that stores the stock price for the previous day, a data field named 'currentPrice' that stores the stock price for the current time, a constructor that creates a stock with the specified symbol, name, previous closing price and the current price. The class has a method named 'getChangePercent()' that returns the percentage changed from 'previousClosingPrice' to 'currentPrice'.
- B) Explain 4 arithmetic operators in C++ with examples.
- C) Explain friend function with example.
- D) Explain how to create array in C++ using the modern approach (array).

Q2) Attempt any two: (10)

- A) Write a program in C++ to create a class Solid. The class contains a method 'volume' without a body. Create classes Sphere and Cube which inherit 'Solid'. Create objects of the two classes Sphere and Cube in main and call their 'volume' method which returns the volume of respective solids. Use polymorphism to call the methods.
- B) In 1843, Sir William Hamilton discovered an extension to complex numbers called quaternions. A quaternion is a 4-tuple $a = (a_0, a_1, a_2, a_3)$ with the following operation:
 - Product: $a * b = (a_0*b_0 - a_1*b_1 - a_2*b_2 - a_3*b_3, a_0*b_1 - a_1*b_0 + a_2*b_3 - a_3*b_2, a_0*b_2 + a_1*b_3 + a_2*b_0 + a_3*b_1, a_0*b_3 + a_1*b_2 - a_2*b_1 + a_3*b_0)$Create a class 'Quaternion' for quaternions. Define appropriate constructor and overload the operator for product. Create a test client that exercises all of your code.
- C) Explain the various types of inheritance in C++ with examples.
- D) Explain how a file is opened for reading in C++ with an example.

Q3) Attempt any two:

(10)

- A) Explain function overloading in C++ with examples.
- B) Explain pure virtual functions in C++ with examples.
- C) In 1843, Sir William Hamilton discovered an extension to complex numbers called quaternions. A quaternion is a 4-tuple $a = (a_0, a_1, a_2, a_3)$ with the following operations:
- Sum: $a + b = (a_0 + b_0, a_1 + b_1, a_2 + b_2, a_3 + b_3)$
- Create a class 'Quaternion' for quaternions. Define appropriate constructor and overload the operator for sum. Create a test client that exercises all of your code.
- D) Write a program in C++ to create a class 'Triangle' to model a triangle shape. It has variables to store the sides of triangle. Define methods to return the area of the triangle. Write a driver program for the above.

DS_Descriptive Statistics

Instructions:

- 1) All questions are compulsory.
- 2) Mixing of sub questions is not allowed.
- 3) Write in clear, legible, writing.

Q1) Attempt any two:

(15)

1. (a) The temperature recorded at the end of every two hours during a day at two cities Mumbai and Nagpur are given below. Find the range.
Mumbai: 28, 30, 31, 28, 27
Nagpur: 25, 28, 34, 40, 26
- (b) The difference between the highest and lowest value in a group of observation is 7. The coefficient of range is 0.1 find the highest and lowest value in a group.
2. Find Q_1, Q_2, Q_3, IQR, QD , coefficient of QD of the given data Also find P_{30}, P_{50}, P_{75} & D_5, D_9
12, 15, 18, 15, 20, 22, 15, 25, 30

3. Find the mean, median and mode of the given data:

C.I	10-12	12-14	14-16	16-18	18-20	20-22	22-24
frequency	11	17	20	22	10	10	10

4. Find the S.D and C.V. for the given data.

85, 92, 88, 76, 95, 80

Q2) Attempt any two:

(15)

1. (i) find coefficient of correlation for the following data

x	4	5	3	7	10
y	6	8	7	5	8

(ii) Find coefficient of correlation for the following data for the given assumed mean. Assume mean of $X = 14$, Assume mean of $Y = 13$

X	10	12	14	16	18
Y	9	11	13	15	17

2. (i) Find the rank correlation for the following data

x	15	32	25	30	35	20	19	22	27	31
y	50	70	65	72	90	58	53	57	68	74

(ii) Regression equation y on x $2x-3y+14=0$ &
Regression equation x on y $3x-y-42=0$.

Find mean of x and y and coefficient of correlation r of the given regression equation

3. Find two regressions x on y and y on x for the following data.

Find x when y=12 & y when x=15

x	10	12	14	19	8	11	17
y	20	24	25	21	16	22	20

4. Find the Rank correlation coefficient of the following data

x	101	113	83	109	101	97	83	95	90	117
y	53	59	52	57	59	50	54	58	59	61

Elementary Mathematics for Economics

Instructions:

- 1) All questions are compulsory.
- 2) Mixing of sub questions is not allowed.
- 3) Write in clear, legible, writing.

(Note: attempt any two questions out of three)

Q1) Attempt any two:

(15)

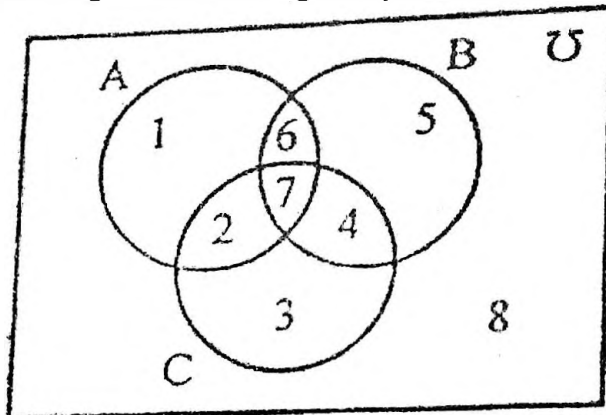
1. i) Let the sets A, B, and C be defined as follows: $A = \{1, 2, 3, 4, 5\}$, $B = \{3, 4, 5, 6, 7\}$, $C = \{5, 6, 7, 8, 9\}$

Perform the following operations:

- a. Find the **union** of A and B
- b. Find the **intersection** of B and C
- c. Find the **difference** $A - B$
- d. Find the **union** of the three sets A, B, and C ($A \cup B \cup C$).
- e. Find the **intersection** of all three sets A, B, and C ($A \cap B \cap C$).
- f. Find $(A \cup B) - C$

- ii) A group of 100 students was surveyed about their favorite subjects. The results are as follows 50 students like Math, 40 students like Science, 25 students like both Math and Science. How many students like neither Math nor Science?

2. From the given Venn diagram, prove the following



- a. $A \cup (B \cap C) = (A \cup B) \cap (A \cup C)$
 - b. $A - (B \cup C) = (A - B) \cap (A - C)$
 - c. $(A \cap B) - (A \cap C) = A \cap (B - C)$
3. i) In a survey of 100 people 70 people like chocolate, 60 people like vanilla, 50 people like both chocolate and vanilla.
How many people like only chocolate? How many people like only vanilla? How many people like neither?

ii) Let Set X be the set of multiples of 3 between 1 and 30.

Let Set Y be the set of multiples of 5 between 1 and 30.

Represent these two sets in a Venn diagram, and find the union of X and Y ($X \cup Y$). What is the number of elements in this union?

Q2) Attempt any two:

(15)

1. i) If $A = \begin{bmatrix} 1 & 1 & 2 \\ 2 & 1 & 0 \end{bmatrix}$ and $B = \begin{bmatrix} 1 & 2 \\ -1 & 1 \end{bmatrix}$ then show that $(AB)^t = B^t A^t$

ii) find the determinants of the following $A = \begin{bmatrix} 1 & 3 & 2 \\ 5 & 0 & -5 \\ 2 & 2 & 1 \end{bmatrix}$, $B = \begin{bmatrix} 2 & 3 & -2 \\ 5 & -2 & 0 \\ 3 & 4 & -1 \end{bmatrix}$

2. i) find the inverse by adjoint method $D = \begin{bmatrix} 3 & 0 & 5 \\ -2 & 1 & 3 \\ 1 & -1 & 11 \end{bmatrix}$

ii) write the different types of matrices. (any 6)

3. i) Find the matrix X such that $2A + 3B - X = C$, where

$$A = \begin{bmatrix} 3 & -3 & 4 \\ 0 & 1 & 1 \end{bmatrix}, B = \begin{bmatrix} 1 & -2 & 7 \\ 0 & 1 & 2 \end{bmatrix} \text{ and } C = \begin{bmatrix} 5 & 1 & 2 \\ 7 & 0 & 3 \end{bmatrix}$$

ii) Solve the following set of equations using matrix method :

$$2x + 3y - 5z = 20 \quad , \quad 5x - 2y + 3z = 10 \quad , \quad x + y + 3z = 5$$

Q3) Attempt any two:

(15)

1. i) Set of students, 20 students like football, 15 students like basketball, 10 students like both football and basketball. How many students like only football? How many like only basketball?

ii) Out of 100 people surveyed, 60 like coffee, 50 like tea, and 30 like both coffee and tea. How many people like only coffee? How many like only tea?

2. i) If $A = \begin{bmatrix} 2 & 1 \\ 3 & 2 \end{bmatrix}$, $B = \begin{bmatrix} 4 & 2 \\ 3 & 1 \end{bmatrix}$ and $C = \begin{bmatrix} 3 & 4 & 2 \\ 7 & 6 & 1 \end{bmatrix}$ find $A + B$, $2A - 3B$, AB , AC and BC .

ii) Find the matrix X such that $A + B = 2X$, where $A = \begin{bmatrix} 3 & 7 \\ 2 & 5 \end{bmatrix}$ and $B = \begin{bmatrix} -3 & 3 \\ 2 & -5 \end{bmatrix}$

3. if $A = \begin{bmatrix} 5 & 2 \\ -7 & -3 \end{bmatrix}$, $B = \begin{bmatrix} 3 & -7 & -8 \\ 2 & 2 & 9 \end{bmatrix}$ and $C = \begin{bmatrix} 7 \\ -3 \\ 5 \end{bmatrix}$ then $(ABC)^t = C^t B^t A^t$

Content Writing**Instructions:**

- 1) **All** questions are **compulsory**.
 - 2) Mixing of sub questions is not allowed.
 - 3) Write in clear, legible, writing.
-

Q1) Attempt any two: (10)

1. Write the need for content writing. (Any 6)
2. Write the demand for content writing. (Any 6)
3. Write the Scope of Content Writing. (Any 2)
4. Write the Future of Content Writers. (Any 6)

Q2) Attempt any two: (10)

1. Writing for headline . (any 6)
2. Writing for social media . (any 6)
3. Write the importance of editing. (any 6)
4. Write the factors considered while proofreading. (any 6)

Q3) Answer in 2-3 lines (5 out of 7) (10)

1. Write the Future of Content Writers. (Any 2)
2. Write down the use of content writing in digital marketing.
3. Write down the use of content writing in Travel and Tourism.
4. Write a short note on memes.
5. Write a short note on Youtube .
6. What is preparation? Write the importance of preparation.
7. Write a short note on a topical post.

Environmental Management & Sustainable Development - II**Instructions:**

- 1) All questions are compulsory.
 - 2) Mixing of sub questions is not allowed.
 - 3) Write in clear, legible, writing.
-

Q1) Attempt any two:**(10 Marks)**

1. Compare the impacts of air pollution and water pollution on human health.
2. Differentiate between river pollution and groundwater pollution.
3. Analyze the role of environmental laws in controlling pollution in India.
4. Compare Millennium Development Goals (MDGs) and Sustainable Development Goals (SDGs).

Q2) Attempt any two:**(10 Marks)**

1. Analyze the role of international agreements like the Kyoto Protocol in climate change mitigation.
2. Evaluate the effectiveness of National Ambient Air Quality Standards.
3. Assess the impact of improper solid waste management on public health.
4. Evaluate the effectiveness of ISO 14001 in industries.

Q3) Answer briefly in 2-3 lines (Any 5 out of 7):**(10 Marks)**

1. Assess the implementation of the Wildlife Protection Act 1972 in India.
2. Evaluate the success of the Basel Convention in managing hazardous waste.
3. Design an awareness campaign to reduce air pollution in urban areas.
4. Propose a waste management plan for a residential society using 3R principles.
5. Develop a sustainable campus model based on SDGs.
6. Create a policy suggestion to control groundwater pollution in India.
7. Propose a strategy to conserve biodiversity at local level under the Biological Diversity Act 2002.
