

TRIBHUVAN UNIVERSITY

2079

Bachelor / Education / 2<sup>nd</sup> Semester  
Eng.Ed.421 General English II

Full Marks: 60  
Time: 3 hrs.

Candidates are required to give answers in their own words as far as practicable. The figures in the margin indicate full marks.

Attempt all questions

Group "B"

6 X 5 marks =30

- Complete each sentence with the word or phrase from the list below.  
*assume, behavior, negative, positive, trait, sample*
  - I took a(n) \_\_\_\_\_ of the carpet home to see whether I liked the colour in my living room.
  - Rubina said she wasn't feeling well, so I \_\_\_\_\_ she's not going out tonight.
  - When I meet new people, I watch their \_\_\_\_\_ closely to see what they are like.
  - One \_\_\_\_\_ thing about moving to a new place is leaving your friends and family behind.
  - Most of my good friends have one personality \_\_\_\_\_ in common—they are all very funny.
- Rewrite the sentences as questions. Use the correct form of *do, be, or have* as the auxiliary verb.  
Example: You have made many incorrect assumptions because of how someone looked.  
*Have you made many incorrect assumptions because of how someone looked?*
  - I like talking to new people on the phone.
  - Rosy is living with people he met last year.

- Write brief answers to **any two** of the following questions.
  - What is the relation between music and the brain? (Music and Science)
  - Why was the writer so keen on seeing the 'Old Asia'? (The Boatman's Gift)
  - What kind of feelings does the poem 'Butcher's Shop' evoke in you?
- What do you mean by 'new social media'? Describe.

OR

What are the five dimensions of education? Discuss in brief.

Group "C"

2 X 10 marks =20

- Write an essay on 'English as a global language'.
- OR
- How are democracy and liberty related to each other? Justify your answer.
- Explain why awareness is necessary but not sufficient for making the system of education inclusive.

- Mingma made lots of friends at school.
  - The experts realized the artifact was a fake.
  - Jatin has selected his library books already.
- Read the sentences. Then match each **bold** word with its definition below.

- to change your behavior because the situation you are in has changed*
- a lot*
- a time of great danger or difficulty*
- completely satisfied and happy*
- staying the same over a period of time*
- to become worse in quality*

- When the economic **crisis** started, people were suddenly worried about losing their jobs.
  - When Bikram left his small village to live in the city, it took him a few months to **adapt**.
  - Over the years, Steve's company has developed **steady** and reliable relationships with many other businesses in the area.
  - Don't you agree that keeping things the same is **considerably** easier than trying to change them?
  - if you focus too much on your job, your personal relationships may **suffer** as a result.
- Write a letter to a friend narrating the story 'Grief'.

OR

Why did Tenzing say that both of them got to Everest at the same time? What does his message indicate?



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Group "B"

6 X 5 marks =30

1. Rewrite the sentences as negative statements. Use the correct form of *do*, *be*, or *have* as the auxiliary verb.  
Example: I often make snap judgments.  
*I don't often make snap judgments.*
  - a. Rohit thinks first impressions about teachers are usually accurate.
  - b. Sarala trusted her instincts when meeting new people.
  - c. When Lokesh buys something, he usually thinks about it for a long time.
  - d. Simran is working hard this week.
  - e. I've formed a positive impression of that company.
2. Match each of the words in boldface with the context clues below to determine the meaning.

- i. *to make something especially noticeable or attractive, so people will buy it*
- ii. *interesting or attractive to look at*
- iii. *the most popular time to watch TV*
- iv. *advertising that makes something seem better than it is*
- v. *easy to remember*
- vi. *boring and lasting a long time*

- a. That ad is so big and colorful. It's very **eye-catching**.
- b. That radio station plays the same ads all day. It's **tedious** to hear them over and over.

6. Write brief answers to any two of the following questions.  
Why was Einstein failed in politics? (Albert Einstein)  
What are the main suggestions for making the system of education inclusive? (Inclusive Education)  
What is the theme of the poem 'Baby's World'?

Group "C"

2 X 10 marks =20

7. Society has misunderstood our mothers; they need to free themselves from all bondages. Explain and justify.  
OR  
Write an essay on 'A journey to a strange place.'
8. Write a letter to your brother about the uses and misuses of the internet. Also suggest him how he can best utilize it.



- c. Commercials in **prime time** are the most expensive because the largest number of people watch TV then.
- d. We really need a more aggressive marketing strategy to **push** this product if we want it to sell more.
- e. The slogan was so **catchy**, I couldn't stop thinking about it for days.

OR

Write any five instructions on 'how to iron your shirt.'

3. a. Use tag questions to complete the sentences.
  - i. Simon never works at the weekend, \_\_\_\_\_?
  - ii. They got married, \_\_\_\_\_?
  - iii. It's important to have good friends, \_\_\_\_\_?
- b. Choose the correct verb forms from the bracket and complete the sentences.
  - i. Hey, Sudeep. (Did you ever travel/ Have you ever traveled) abroad?
  - ii. Anand (worked/had worked) with Professor Dhakal before he started teaching here.
4. Write your own success story in your recent academic journey.

OR

- Give your clarification on how advertisements can change our opinions.
5. Rewrite the sentences using object pronouns as in the example.  
Example: Have you looked up the train times yet?  
*Have you looked them up yet?*
    - a. We usually run into Tina at the gym.
    - b. Lokesh and Abdul talked over their presentation idea before class.
    - c. Deepika hasn't gotten over her cold yet.
    - d. Will you look after my cat while I'm in Pokhara?
    - e. I didn't put away the dishes after dinner.



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Eng.Ed.421 General English II

Group "A"

10 X 1 mark =10

Attempt all questions

Tick (✓) the best answers

- Which is the best matching meaning of word character?
  - Behave
  - Attractive
  - personality
  - Boring
- Which of the following phrases do you use to give opinions?
  - To give you an example,
  - As far as I'm concerned,
  - Well, what I want to say,
  - Never mind,
- What does the word refund mean?
  - Assisting someone monetarily again and again
  - An act of fundraising
  - A sum of money that you give someone for repeatedly
  - A sum of money that is returned to you
- "Sorry, I don't get what you mean". In this sentence you are \_\_\_\_.
  - giving clarification
  - asking for clarification
  - asking for reasons
  - giving reasons
- "Robin wrote an essay in two hours". In this sentence what is true about the action "to write"?
  - The action began and ended in the past.
  - The action occurred in the past and still its impact is there.
  - The action happened more than once in the past.
  - The action was continuous in the past.
- When is it not good to laugh?
  - In difficult situations
  - In disastrous situations
  - When people may laugh back at us
  - In poverty
- In what way do people respond to the events of life?
  - Laughing
  - Crying
  - Being indifferent
  - Laughing or crying
- What is Dick Gregory's finding?
  - Laughter is the best medicine.
  - Laughter makes one stress-free.
  - Laughter soothes one in trouble.
  - Laughter brings trouble.
- Which of the following mean "disastrous"?
  - Causing great damage
  - Disrespectful to others
  - Causing disturbance
  - Danger of damage
- Which is better than using violence or shedding tears?
  - Waiting
  - Laughing
  - Having patience
  - Joking

TRIBHUVAN UNIVERSITY

Faculty of Education

2079(i)

Bachelor /2<sup>nd</sup> Semester

Symbol No.: .....

ICT.Ed.425 Digital Logics

Group "A"

10 X 1 mark =10

Attempt all questions

Tick (✓) the best answers

- Value of  $AF.0B_{16}$  in Octal number system is:
  - $257.026_8$
  - $533.026_8$
  - $257.013_8$
  - $533.013_8$
- What will be the no of selection lines for  $1000 \times 1$  multiplexer?
  - 100
  - 10
  - 5
  - 1
- What will be the expression for following K-Map group?
 

		RS			
		00	01	11	10
PQ	00				
	01		1	1	
	11				
	10				

- $P'QS'$
  - $PQ'S'$
  - $P'QS$
  - $PQ'S$
- Characteristics equation of SR flip flop is:
    - $S + R'Q, S.R = 0$
    - $SR + Q, S.R \neq 0$
    - $Q' + SR, S.R = 1$
    - $R' + SQ, S.R = 0$
  - Minimized expression of  $Q + PQ'R + Q'RS' + Q'R$  is:
    - $Q + R'$
    - $Q' + R$
    - $Q$
    - $Q + R$

- Why ring counter must be used instead of Johnson counter?
  - To count even numbers
  - To count prime numbers
  - To count odd numbers
  - To count composite numbers
- How many flip flops are required to count 200 states?
  - 9
  - 8
  - 12
  - 10
- What is the value of  $11001101_2$  in decimal number system?
  - $1214_{10}$
  - $205_{10}$
  - $315_{10}$
  - $CD_{10}$
- Which flip flop is used to construct shift registers?
  - SR
  - JK
  - T
  - D
- Which of the following gate is not the derived gate?
  - OR
  - NOR
  - X-OR
  - X-NOR



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Attempt all questions

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1. What is the gray code equivalent of binary data 11011011?  
a. 10010010                      b. 10110110  
c. 11111100                      d. 10101010
2. Which of the following is not the level of integration?  
a. SSI                                      b. KLSI  
c. VLSI                                      d. ULSI
3. What is the advantage of Johnson counter over ring counter?  
a. Is easy to construct  
b. Less complexity  
c. Lower no of flip flops required  
d. Clock is not required
4. What is asynchronous counter?  
a. counter that gets external clock pulse for first flip flop only  
b. Counter that counts in positive clock pulse  
c. Counter that counts in negative clock pulse  
d. Counter that gets external clock pulse for each flip flop
5. Minimized form of expression:  $ABCD + ABC'D' + ABCD' + ABC'D$  is:  
a. ABC                                      b.  $ABC'$   
c.  $ABC+ABC'$                       d. AB
6. What is the use of state diagram?  
a. To design combinational circuit  
b. To design decoder  
c. To design sequential circuit  
d. To design multiplexer
7. Which of the following expression is valid for X-NOR gate?  
a.  $A'B' + AB'$                       b.  $A'B' + AB$   
c.  $A'B + AB'$                       d.  $A'B + A'B'$
8. Which of the following gates are universal gates?  
a. NAND and OR                      b. NOR and NAND  
c. X-OR and NAND                      d. X-NOR and NOR
9. What is the number of flip flops required to count 2048 different numbers?  
a. 8    b. 9  
c. 10    d. 11
10. What is PLA?  
a. Programmable Logic Array  
b. Programmable Array Logic  
c. Programmable AND Array  
d. Programmable OR Array



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**Attempt all questions**

**Group "B"**

6 X 5 marks =30

1. What is combinational circuit? Design  $8 \times 3$  Encoder circuit.
2. If  $A = -7_{10}$  and  $B = 1023_{10}$  then find the value of  $A-B$  by converting A and B to signed 2's complement data.

OR

What is analog quantity? Write differences between analog quantity and digital quantity.

3. What is flip flop? Describe different types of flips flops with example.
4. Design the circuit of MOD-16 Asynchronous counter.
5. You are provided with data bits 011. The register provided has the capability to store all bits in one clock pulse and can be retrieved those stored bits only one at a time from right most flip flop. Your work is to show all necessary steps to store and retrieve the provided data in provided register.

OR

Design MOD-16 Synchronous down counter. Construct characteristics table and draw timing diagram too.

6. Minimize expression  $P'QRS + P'QR' + PQS + Q'R'S + P'QR' + P'R' + Q'R'$  using K-Map and then draw circuit diagram.



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**Attempt all questions**

**Group "B"**

6 X 5 marks =30

1. Draw circuit to display 2, 3, 5 and 8 in seven segment display.

OR

Design 4×16 Decoder.

2. Draw the circuit diagram of D flip flop and write its characteristics table, excitation table and characteristics equation.
3. If  $A = -13$  and  $B = 500$  then find the value of  $A-B$  by converting value of  $A$  and  $B$  to signed 2's complement data.
4. Design the circuit of MOD-99 Asynchronous counter.

OR

Design MOD-10 synchronous down counter.

5. You are provided with data bits 1101. The register provided has the capability to store one bit at a time from left most flip flop and can be retrieved those stored bits in one clock pulse. Your work is to show all necessary steps to store and retrieve the provided data in provided register. Draw timing diagram too.
6. Map the following Boolean expression in K-Map and generate minimized expression and also draw circuit using minimum numbers of NAND gates:  
 $P'R'S' + P'Q' + R'S + PR'S + PQS' + P'QR'S.$



**TRIBHUVAN UNIVERSITY**

Faculty of Education

2079(i)

Bachelor /2<sup>nd</sup> Semester

Symbol No.: .....

ICT.Ed.426 Object Oriented Programming with C++

Group "A"

10 X 1 mark =10

Attempt all questions

Tick (✓) the best answers

1. What we call the process of putting data and procedures in the same unit?  
a. Data Hiding                      b. Abstraction  
c. Encapsulation                  d. Sharing
2. Which operator is used for defining member functions outside of a class?  
a. Dot operator                      b. Arrow operator  
c. Scope resolution operator      d. Curly braces
3. Which of the following is not a mechanism for achieving polymorphism?  
a. Virtual Function                  b. Method overloading  
c. Method overriding                d. Inheritance
4. When memory is allocated for member variables?  
a. At compile time  
b. At run time  
c. At the time of object creation  
d. At the time of declaration
5. Which of the following is false about constructors?  
a. Its name is same as the class name  
b. It does not have return type  
c. It can be overloaded  
d. It can be private.

6. Which of the following is correct syntax of inheritance?  
a. Class A: public B { }  
b. Class A derives B { }  
c. Class A :: public class B { }  
d. Class A inherits B { }
7. Which of the following concept of c++ violates the concept of data hiding?  
a. Destructor                          b. Friend function  
c. Virtual function                  d. Violate function
8. Which of the following is incorrect way of overloading ++ operator?  
a. Void operator ++()  
b. Void operator ++(int)  
c. Void ++operator ()  
d. None of the above
9. Which of the following is not the class?  
a. Covt                                  b. ifstream  
c. ofstream                          d. istream
10. Which of the following keyword is used for allocating memory for dynamic objects?  
a. new                                  b. malloc  
c. calloc                                d. all of the above



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Bachelor / Education / 2<sup>nd</sup> Semester

Full Marks: 40

ICT.Ed.426 Object Oriented Programming with C++

Time: 3 hrs.

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**Attempt all questions**

**Group "B"**

6 X 5 marks =30

1. Discuss the concept of inline function with suitable example.
2. Define overloading. Write a program demonstrate method overloading with example.

OR

Explain the concept of constructor and destructor with suitable example.

3. Explain the concept of static data member and member functions with example.
4. Write a program to overload plus (+) operator to add two objects of distance class having data members feet and inch.
5. Discuss ambiguity in multiple inheritance with example
6. Define the term virtual and pure virtual function. Demonstrate the concept of dynamic polymorphism with example.

OR

Discuss the concept of virtual base class with example.





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**Group "B"**

6 X 5 marks =30

1. What is class? Demonstrate the example of class and object with member function using C++.
2. What are constructors? How are they different from member functions?

OR

What is friend function in C++? Explain with example and its purpose.

3. What is operator overloading? Explain unary operator overload in C++ with example.
4. What is an inheritance? Write a program to describe the multiple inheritance with suitable example.
5. What is the importance of Template Class? Explain with example.

OR

What is virtual function? Write a program to demonstrate the pure virtual.

6. How many modes file handling in C++? Write a program to read and write student information (roll, name, sex) using file handling in c++.





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Math.Ed.426 Mathematics II

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Attempt all questions

Group "B"

6 X 5 marks =30

1. If  $Z^3 = 1$ , find all the values of  $Z$ .
2. Find the limit:  $\lim_{x \rightarrow \infty} \frac{x^2 + 7x + 8}{8x^2 + 7x + 6}$ .
3. Construct addition and multiplication table for  $\mathbb{Z}_7 = \{0, 1, 2, 3, 4, 5, 6\}$  in modulo 7.
4. Find the length of perpendicular drawn from  $(3, 4)$  to the line  $4x + 5y - 7 = 0$ .

OR

Determine the equation of hyperbola with a focus at  $(6, 0)$  and a vertex at  $(4, 0)$ .

5. Construct the Eulerian graph satisfying the following conditions.
  - a. Graph has exactly 8 vertices
  - b. Graph is not a regular

OR

Test the following graph for Eulerian and Hamiltonian. Also give reason.

a.



b.



6. If  $G = \{1, -1, i, i\}$  and  $H = \{1, -1\}$ . Then show that  $H$  is a subgroup of  $G$  under usual multiplication.

Group "C"

2 X 10 marks =20

7. Find the local maxima and minima of the function  $4x^3 - 15x^2 + 12x + 7$ .

OR

Find the area of the parabola  $y^2 = 4ax$  bounded by its latus rectum.

8. Consider the set of integers  $\mathbb{Z}$ . Test whether  $(\mathbb{Z}, +, \cdot)$  forms a ring under usual addition and multiplication.



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Group "B"

6 X 5 marks =30

1. Find the value of  $(1 + i)^{10}$ .
2. Test whether the given function  $f(x) = \frac{1}{|x-3|}$  is continuous at  $x = 3$ .
3. Find the greatest common divisor  $d$  of 963 and 657. Express it in the form of  $d = 963x + 657y$  for  $x, y \in \mathbb{Z}$ .
4. Find the acute angle between lines  $\sqrt{3}x - y + 3 = 0$  and  $2y + 3 = 0$ .

OR

Find the angle between the lines whose direction ratios are 3, 2, -6 and 1, 2, 2.

5. Construct a Hamiltonian graph satisfying the following conditions:
  - a. Graph has exactly 8 vertices,
  - b. Graph is 3-regular.

OR

Test the following graphs for Eulerian and Hamiltonian. Also give reason.



6. Construct multiplication table of  $\mathbb{Z}_5 = \{0, 1, 2, 3, 4\}$  and test whether  $\mathbb{Z}_5$  is a group under multiplication modulo 5.

Group "C"

2 X 10 marks =20

7. Find for what values of  $x$ , the function  $f(x) = 4x^3 - 18x^2 + 24x - 7$  has maximum and minimum values. Also compute the maximum and minimum values.

OR

Find the area of the region bounded by the curve  $y = x^2$  and  $y = x$ .

8. Consider the set of rational numbers  $\mathbb{Q}$  and show that the structure  $(\mathbb{Q}, +, \cdot)$  forms a ring under usual addition and multiplication.



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Bachelor/2<sup>nd</sup> Semester

Symbol No.: .....

Math. Ed. 426 Mathematics II

Group "A"

10 X 1 mark =10

Attempt all questions

Tick (✓) the best answers

- What is the value of  $i^6 - i^5$ ?
  - 1
  - $1 - i$
  - $-1 - i$
  - $-i$
- Which one of the following is an expression of  $1 - i$ ?
  - $\sqrt{2} \left( \cos \frac{\pi}{4} + i \sin \frac{\pi}{4} \right)$
  - $\sqrt{2} \left( \cos \frac{7\pi}{4} + i \sin \frac{7\pi}{4} \right)$
  - $\sqrt{2} \left( \cos \frac{3\pi}{4} + i \sin \frac{3\pi}{4} \right)$
  - $\sqrt{2} \left( \cos \frac{\pi}{4} - i \sin \frac{\pi}{4} \right)$
- If  $f(x) = \frac{x^2 - 4}{x + 2}$ , what is the value of  $\lim_{x \rightarrow 2} f(x)$ ?
  - 0
  - 2
  - 4
  - Limit does not exist
- Which one of the following is true?
  - $3 \equiv 7 \pmod{5}$
  - $1 \equiv 9 \pmod{4}$
  - $2 \equiv 5 \pmod{6}$
  - $6 \equiv 13 \pmod{3}$
- For what values of  $q$  and  $r$ , the expression  $20 = 3q + r$  is a division algorithm?
  - $q = 3$  and  $r = 11$
  - $q = 4$  and  $r = 9$
  - $q = 5$  and  $r = 5$
  - $q = 6$  and  $r = 2$
- What is the vertex of ellipse  $\frac{x^2}{a^2} + \frac{y^2}{b^2} = 1$ , for  $a > b > 0$ ?
  - $(\pm ae, 0)$
  - $(\pm a, 0)$
  - $(a, b)$
  - $(ab, 0)$
- What is the eccentricity of the hyperbola  $\frac{x^2}{a^2} - \frac{y^2}{b^2} = 1$ ?
  - $e = \sqrt{1 + \frac{a^2}{b^2}}$
  - $e = \sqrt{1 + \frac{b^2}{a^2}}$
  - $e = \sqrt{1 - \frac{a^2}{b^2}}$
  - $e = \sqrt{1 - \frac{b^2}{a^2}}$

8. Which one of the following is an odd vertex in the given graph?



- B
  - C
  - D
  - E
9. How many edges are there in a tree of 4 vertices?
- 3
  - 4
  - 5
  - 6
10. Which one of the following structure is a group?
- $(\mathbb{Z}, \cdot)$
  - $(\mathbb{Z}, +)$
  - $(\mathbb{Q}, \cdot)$
  - $(\mathbb{R}, \cdot)$



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Bachelor/2<sup>nd</sup> Semester

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Math. Ed. 426 Mathematics II

Group "A"

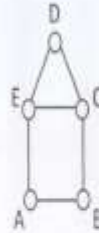
10 X 1 mark =10

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  - $\sqrt{2} \left( \cos \frac{3\pi}{4} + i \sin \frac{3\pi}{4} \right)$
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  - $(\pm a, 0)$
  - $(a, b)$
  - $(ab, 0)$
- What is the eccentricity of the hyperbola  $\frac{x^2}{a^2} - \frac{y^2}{b^2} = 1$ ?
  - $e = \sqrt{1 + \frac{a^2}{b^2}}$
  - $e = \sqrt{1 + \frac{b^2}{a^2}}$
  - $e = \sqrt{1 - \frac{a^2}{b^2}}$
  - $e = \sqrt{1 - \frac{b^2}{a^2}}$

8. Which one of the following is an odd vertex in the given graph?



- B
  - C
  - D
  - E
9. How many edges are there in a tree of 4 vertices?
- 3
  - 4
  - 5
  - 6
10. Which one of the following structure is a group?
- $(\mathbb{Z}, \cdot)$
  - $(\mathbb{Z}, +)$
  - $(\mathbb{Q}, \cdot)$
  - $(\mathbb{R}, \cdot)$



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समूह 'क'

१० × १ अङ्क = १०

सबै प्रश्नहरूको उत्तर दिनुहोस्।

सर्वोत्तम उत्तरमा रेखा (✓) चिह्न लगाउनुहोस्।

१. अपूर्ण पक्षको प्रयोग कुन क्रियापदमा पाइन्छ ?  
(क) गरेछु (ख) गर्दै छु  
(ग) गरेको छु (घ) गर्छु
२. कुन क्रियापदले सम्भावनार्थ भाव लाई जनाउँछ ?  
(क) राखिदिन्छु (ख) राखिदिन्छ कि  
(ग) राखिराख्छु (घ) राखिदिउँला
३. विहान जब घाम भुल्किन्छ, धरतीको निष्पट अँध्यारो हराउँदै जान्छ, त्यतिबेला चराचुरुङ्गीहरूको चिरबिरले मन आनन्दित हुन्छ। यस वाक्यमा प्रयुक्त त्यसबेला शब्दले व्याकरणिक संसक्ति को कुन भेदलाई जनाउँछ ?  
(क) प्रतिस्थापन (ख) सार्वनामीकरण  
(ग) संयोजन (घ) तोप
४. वस्तु तथ्यलाई केन्द्रमा राखी प्रस्तुत गरिएको अभिव्यक्तिबाट सिर्जित अनुच्छेदलाई के भनिन्छ ?  
(क) आत्मपरक (ख) वस्तुपरक  
(ग) आख्यानात्मक (घ) भावपरक
५. शीर्ष वाक्य निर्धारण गरेर लेखिने लेखनलाई के भनिन्छ ?  
(क) प्रतिवेदन (ख) अनुच्छेद  
(ग) निबन्ध (घ) बृदा

६. 'मेरी सानी भतिजी प्रतिमा' कथाको मूलभाव सङ्केत गर्ने वाक्य कुन हो ?

(क) छोरीप्रति आमाको अत्याचार

(ख) छोरीप्रति बाबुको वेवास्ता

(ग) भतिजीप्रति अङ्कलको स्नेह

(घ) छोरा र छोरीबीच गरिने सामाजिक विभेद

७. 'मैनवतीको शिखा' कविता नारीको कीर्ति अवस्थाको चित्रण गरिएको छ ?

(क) तीनवटा

(ख) चारवटा

(ग) दुईवटा

(घ) एकवटा

८. 'रहर' कवितामा कुन क्षेत्रको सुधारमा जोड दिन खोजिएको छ ?

(क) आर्थिक

(ख) शैक्षिक

(ग) सामाजिक

(घ) राजनीतिक

९. 'शिक्षा' निबन्धमा देवकोटाले कुन शिक्षा पद्धतिलाई प्राथमिकतामा राखेका छन् ?

(क) जीवनवादी

(ख) सैरजीवनवादी

(ग) पूर्वीय

(घ) पश्चात्य

१०. 'बाँचे एउटा जिन्दगी' उपन्यासको प्रमुख पात्र को हो ?

(क) डोला मैयाँ

(ख) सौमित्र शमशेर

(ग) यशोधरा

(घ) ज्ञानप्रताप



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सबै प्रश्नहरूको उत्तर दिनुहोस् ।

समूह "ख" ६ X ५ अङ्क = ३०

१. तलको अनुच्छेदमा रहेका वाक्यहरूलाई सामान्य भविष्यत् कालमा परिवर्तन गर्नुहोस् :

निष्पट्ट अँध्यारो निखियो । पूर्वी क्षितिज रङ्गिदै आयो । चराहरू चिचिँराउँदै छन् । उज्यालोका छिर्काले भूधरातल छोयो । हेदाँहेदै पूर्वी आकाशको कुनामा एउटा सुनौला चक्का देखियो । सूर्यकिरणका रेशाले छोईंदा भूसतह सिँदुर पोखिए भँँ राताम्य भयो ।

२. तल दिइएको संश्लेषित वाक्यलाई कम्तीमा पाँच वाक्यमा पुनलेखन गर्नुहोस् ।

हाम्री आमा बिहान सबै उठ्नुहुन्छ अनि पधेरांमा गई हातमुख धोएर गागीभरि पानी ल्याउनुहुन्छ र दूध तताउनुहुन्छ, त्यसपछि सुतिरहेकी छोरीलाई उठाएर मनतातो दूध खान दिनुहुन्छ ।

अथवा

दिइएको निर्देशनअनुसार तलका वाक्यहरू परिवर्तन गर्नुहोस् :

- क. उत्तम दगुँदै धियो । (सामान्य वर्तमान)  
ख. श्रुति कविता लेख्छे । (प्रेरणार्थ)  
ग. वनभोज जाँदा रमाइलो हुन्छ । (अभ्यस्त भूतकाल)  
३. व्याकरणिक संसक्ति अन्तर्गत सार्वनामीकरण को प्रक्रियालाई सोदाहरण चिनाउनुहोस् ।

४. तल दिएको तालिकामा प्रस्तुत तथ्याङ्कलाई अनुच्छेदमा रूपान्तरण गरी देखाउनुहोस् :

पञ्चकन्या मा.वि. रोराङ-वेनिघाट, धादिङ

०७८ को विद्यार्थी भर्ना विवरण

क्र.सं.	कक्षा	भर्ना सङ्ख्या	छात्र	छात्रा
१.	६	७७	३५	४२
२.	७	१०२	४९	५३
३.	८	६२	३०	३२
४.	९	५२	२७	२५
५.	१०	३६	१९	१७
	जम्मा	३२९	१६०	१६९

५. तपाईंले १०+२ अध्ययन गरेको विद्यालयले भर्खरै वार्षिकोत्सव मनायो । उक्त समारोहका महत्वपूर्ण घटनालाई समेटेर १५० शब्दसम्मको प्रतिवेदन तयार गर्नुहोस् ।

अथवा

'मानवजीवनमा पानीको महत्त्व' विषयमा एउटा गहकिलो अनुच्छेद लेख्नुहोस् ।

६. 'शिक्षा' निबन्धमा देवकोटाले तत्कालीन नेपालको शिक्षापद्धतिलाई कसरी चिनाएका छन् ? समिक्षा गर्नुहोस् ।

समूह "ग"

२ X १० अङ्क = २०

७. कसैको आशा भरोशा नगरी, आत्मनिर्भर भएर सघर्षपूर्ण जीवन बाँच खोजे मात्र आत्मसन्तुष्टि प्राप्त हुन्छ भन्ने निष्कर्षमा ज्ञानप्रताप पुगेका घटनालाई 'बाँच्ने एउटा जीन्दगी' उपन्यासका आधारमा पुष्टि गर्नुहोस् ।



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सबै प्रश्नहरूको उत्तर दिनुहोस् ।

समूह\*ब\*

६ X ५ अङ्क = ३०

१. अज्ञात भूत कालको प्रयोग गरी पाँच वाक्यको छोटो अनुच्छेद लेख्नुहोस् ।

२. तलका वाक्यलाई सरल वाक्यमा विश्लेषण गर्नुहोस् :

(क) जो अपराधी हो, उसले सजाय पाउँछ ।

(ख) दुई भागको यो शब्दकोशमा हाम्रो अर्धगत जिज्ञासाको समाधान प्रस्तुत गरिएको हुन्छ ।

अथवा

दिइएको निर्देशन अनुसार वाक्यपरिवर्तन गर्नुहोस् :

(क) सुजन चिठी लेख्छ । (अज्ञात)

(ख) रमिला नमस्कार गर्छ । (अपूर्ण भूतकाल)

(ग) हरि मात खान्छ । (प्रेरणा)

३. तल दिइएका सूचनालाई वृत्तचित्रमा देखाउनुहोस् ।

महेशले आफ्नो आम्दानीलाई विभिन्न शीर्षकमा ७८,००० खर्च गर्ने गरेका छन् । उनले खानामा रु. २०,०००, घरमाडामा रु. १०,०००, कपडामा रु. ५,०००, शिक्षामा रु. १०,०००, स्वास्थ्यमा रु. १८,००० र अन्यमा रु. १५,००० खर्च हुन्छ ।

४. 'वातावरणीय प्रदूषण' शीर्षकमा गहकिलो निबन्ध लेख्नुहोस् ।

५. आफ्नो क्याम्पसले आयोजना गरेको विशेष आवश्यकता शिक्षा कार्यक्रमको विषयलाई समेटि प्रतिकवेदन तयार पार्नुहोस् ।

अथवा

'आज शनिवार' कथाको केन्द्रीय कथ्य उल्लेख गर्नुहोस् ।

६. 'बाँचे एउटा जिवन्दी' उपन्यासमा राणा शासनको अन्त्यपछि भौतिक सुविधाप्रति आकर्षित परिवारमा देखिएको विखण्डन र विदेश मोहलाई कसरी प्रस्तुत गरिएको छ ? लेख्नुहोस् ।

समूह\*ग\*

२ X १० अङ्क = २०

७. तलको गद्यांश पढी सोधिएका प्रश्नको छोटो उत्तर लेख्नुहोस् ।

शिक्षा पाउनु सबै बालबालिकाको नैसर्गिक अधिकार हो । नेपालको संविधान (२०७२) को धारा २१ ले यो अधिकारलाई स्थापित गरेको छ । अपाङ्गता भएका व्यक्तिहरूको अधिकार सम्बन्धी महासन्धि, २००६ को धारा २४ ले अपाङ्गता भएका बालबालिकाले अन्य बालबालिकासँगै समान आधारमा समावेशी शिक्षा पाउने अधिकारलाई सुनिश्चित गरेको छ ।

समावेशी शिक्षा भन्नाले विभिन्न भाषा-भाषी, वर्ग, क्षेत्र र अपाङ्गता भएका बालबालिकाले हाँस, खेल्न घर नजिकैको विद्यालयमा जाने, समान आधारमा सबै बालबालिकासँगै सिक्न पाउने वातावरण सिर्जना गर्नु हो । यस पद्धतिले बाल केन्द्रित शिक्षामा जोड दिन्छ । बालबालिकाको रुचि, क्षमता र वैयक्तिक आवश्यकताका आधारमा उनीहरूलाई सुहाउँदो शिक्षा अरु बालबालिकासँगै उपलब्ध गराउने कार्य समावेशी शिक्षा हो । यस कार्यलाई सक्का लागि शिक्षा भन्ने बहुचर्चित शिक्षा अभियानले पनि अग्रणीकार गरेको छ । त्यसैगरी नेपाल सरकारले पनि यस

TN

८. प्रस्तुत गद्यांश पढी अन्त्यमा सोधिएका प्रश्नहरूको उत्तर दिनुहोस् :

नेपाल राष्ट्र विविध भाषाभाषी, बहुधार्मिक र बहुसांस्कृतिक व्यक्तित्वको बसोवास गर्ने राष्ट्र हो । हाम्रो यस राष्ट्रमा करिब १०० भन्दा बढी भाषाहरू बोलिन्छन् । विभिन्न जातिका आआफ्ना बोलीचालीका भाषा भए तापनि, सम्पूर्ण नेपालीको सम्पर्क भाषा भने नेपाली हो । तथापि हाम्रो देशका सबै समुदाय नेपालीसँग राम्रोसँग परिचित छन् भन्न सकिदैन । सम्पर्क भाषाका रूपमा नेपाली भाषा रहेको र विद्यालयस्तरको पाठ्यपुस्तकको माध्यमभाषा पनि नेपाली नै भएकाले प्रायः सम्पूर्ण नेपालीलाई नेपाली भाषा शिक्षणको अनिवार्य आवश्यकता छ । यी सम्पूर्ण समुदायलाई नेपाली भाषा शिक्षणको आवश्यकता पुरा गर्न एकै खाले शिक्षण परिपाटीले पुरा हुने सम्भावना छैन । यहाँका अलग-अलग समुदायका अलग-अलग समस्याहरू छन् । मातृभाषाका रूपमा नेपाली नबोल्ने, मातृ भाषाका रूपमा विभिन्न भाषा बोल्ने यस्ता समुदायहरू नेपाली भाषादेखि विल्कुलै अपरिचित छन् भने अर्काधरी नेपाली बोल्ने समुदायमा पनि नेपाली भाषाकै अनेक भेदहरू र जातीय, क्षेत्रीय, सामाजिक र अन्य आधारमा देखिन्छन् । नेपाली भाषा शिक्षणमा पनि आआफ्नै किसिमका समस्या छन् । मातृभाषा नेपाली भएका र नेपाली मातृभाषा नभएका सबै विद्यार्थीहरूलाई उस्तै ढङ्गले नेपाली भाषा शिक्षणको आवश्यकता पुरा गर्नुपर्ने हुन्छ । नेपाली मातृभाषा नभएका र मातृभाषाका रूपमा विभिन्न भाषा बोल्ने विद्यार्थीहरूलाई नेपाली भाषा शिक्षणको क्रममा शब्दभण्डार, उच्चारण र वाक्यगठन प्रक्रियामा निकै कठिनाई देखापर्दछ ।

प्रश्नहरू

(क) भाषाप्रयोगका दृष्टिले नेपाल कस्तो देश हो ?

(ख) हाम्रो राष्ट्रभाषा अझै पनि सबै नेपालीले बोल्न लेख्न किन नसकेका होलान् ?

(ग) नेपाली भाषाशिक्षणको किन आवश्यकता छ ?

(घ) नेपाली भाषाशिक्षणमा के कस्ता समस्या देखिन्छन् ?

(ङ) दोस्रो भाषी नेपाली भाषीहरूले नेपाली भाषा सिक्दा के कस्तो कठिनाई पर्दछ ?

अथवा

'रहर' कवितामा केकस्तो रहर अभिव्यक्त गरिएको छ ? आफ्नो अभिमत प्रकट गर्नुहोस् ।

