



**SYLLABUS,
SPECIFICATION
GRID AND MODEL
QUESTION, 2075**

GRADE EIGHT



Learning Realm International (LRI) School

Kalankasthan, Kathmandu, Nepal

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Syllabus, Specification Grid and Model Questions, 2075

Grade Eight

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SYLLABUS

First Unit Test

Area	chapters	Est. Periods	Objectives/ Focus
Physics	Measurement	5	-define fundamental and derived unit. -identify the units of mass, weight and time -conversion of different units of measurement.
Chemistry	Matter	7	-knowledge of atomic and sub atomic particles. -derivation of molecular formula and weight -knowledge of periodic tables.
Biology	Living Beings	5	-knowledge of virus, bacteria and fungi -modification of plants -floral parts, dispersal and germination of seed.
Environment science	Environment and its balance	5	-importance of environment. -information about the protected areas of Nepal. -importance of rare animal and plants.

First Term

Area	chapters	Est. Periods	Objectives/ Focus
Physics	1.Measurement	5	-definition of average velocity, relative velocity, acceleration and retardation, derivation of equation of motion -knowledge of lever, principle of lever, MA, VR,efficiency of lever -information of liquid pressure, atmospheric pressure, density, relative density. -application of pressure -numerical problems of given chapters.
	2. Velocity and acceleration	5	
	3. Simple Machine	6	
	4. pressure	5	
Chemistry	5.Elements and compounds	7	-theoretical and practical knowledge about distillation and chromatography.
	6.Mixture	6	
Biology	7.Living Beings	5	
Geology/ Astronomy	8.Structure of Earth	6	
Environment	9.Environment	5	

science	and its balance 10.Environment and degradation and its conservation	7	
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- Objectives of repeated chapter are not mentioned. So follow the previous table.
(K=knowledge U= Understanding A=Application/Ability HA=Higher Ability)

Second Unit Test

Area	chapters	Est. Periods	Objectives/ Focus
Physics	1.Work, Energy and Power	6	-to show the relation and difference between work, energy and power. -related numerical.
	2.Heat	5	-relation of heat and temperature and their differences. -knowledge about different types of thermometer. -related numerical problems.
Chemistry	Metal and Non - Metal	5	-classification of metal, non metal and metalloids their properties and uses.
Biology	Cell and tissue	5	-knowledge of epithelial tissues and meristematic tissues -interrelationship between cell, tissue and organs in human body.
Geology	Weather and climate	5	-factors affecting climate and climatic condition of Nepal.

Second Term

Area	chapters	Est. Periods	Objectives/ Focus
Physics	1.Measurement	5	-Knowledge of wave, velocity, frequency, wavelength. -difference and effects of echo and reverberation. - Related numerical problems.
	2.Velocity and acceleration	5	
	3.Simple Machine	6	
	4.Pressure	5	
	5.Work ,Energy and power	6	
	6.Heat	5	
	7.Sound	5	
Chemistry	8.Matter	7	-identification of acid, base and salt and their properties. -effects of indicators.
	9.Mixture	6	
	10.Metal and	6	

	Non metal 11. Acid, Base and Salt	5 5	
Biology	12. Living Beings Cell and tissue	5 5	
Geology/ Astronomy	13. Structure of Earth 14. Weather and climate The Earth and Space	6 5 4	-hypothesis of origin of the Earth. Rotation and Revolution of Earth. -Phases of the Moon.
Environment science	15. Environment and its balance 16. Environment and degradation and its conservation	5 6	

- Objectives of repeated chapter are not mentioned. So follow the previous table.

Third Unit Test

Area	Chapters	Est. Periods	Objectives/Focus
Physics	Light	8	-Different types of mirror and their applications. -Ray diagrams of concave and convex mirrors. -molecular theory of magnetism. -methods of magnetization and demagnetization.
	Magnetism	5	
Chemistry	Matter	7	-knowledge of atomic and sub atomic particles. -derivation of molecular formula and weight -knowledge of periodic tables.
Biology	Life process	8	-Asexual and sexual reproduction in plants and animals. Circulatory system of human beings. -theoretical and practical knowledge of photosynthesis.
Environment Education	Environment and sustainable development	6	-Biodiversity -Sustainable Development: Principles and importances.

Final Term

Area	chapters	Est. Periods	Objectives
Physics	1.Measurement 2. Velocity and acceleration 3.SimpleMachine 4.Pressure 5.Work ,Energy and power 6.Heat 7. Light 8.Sound 9.Magnetism 10.Electricity	5 5 6 5 6 5 5 5 6	-structure and working of simple cell and dry cell. -Domestic circuit and its elements.
Chemistry	11.Elements and compounds 12.Mixture 13.Metal and Non metal 14.Acid, Base and Salt 15.Some useful chemicals	7 6 5 5 4	-properties of water -types of hardness of water and their treatments. -properties and uses of baking soda, washing soda and glycerol.
Biology	16.Living Beings 17.Cell and tissue 18.Life Process	5 5 8	
Geology/ Astronomy	19.Structure of Earth 20.Weather and climate 21.The Earth and Space	6 5 4	
Environment science	22.Environment and its balance 23.Environment and degradation and its conservation 24. Environment and sustainable development	5 6	

- Objectives of repeated chapter are not mentioned. So follow the previous table.

SPECIFICATION GRID

Specification Grid for 1st Unit Test

Area	chapters	No. of questions	No. of sub questions	Full marks
Physics	Measurement	2	2	6
Chemistry	Matter	2	2	6
Biology	Living Beings	1	2	4
Environment science	Environment and its balance	1	2	4

K=knowledge **U**= Understanding **A**=Application/Ability **HA**=Higher Ability

Specification Grid for 1st Term

Area	chapters	No. of questions	No. of sub questions	Full marks
Physics	1.Measurement	5	10	26
	2. Velocity and acceleration			
	3. Simple Machine			
	4. pressure			
Chemistry	5.Elements and compounds	3	6	17
	6.Mixture			
Biology	7.Living Beings	2	4	9
Geology/ Astronomy	8.Structure of Earth	2	4	8
Environment science	9.Environment and its balance	3	6	15
	10.Environment and degradation and its conservation			

- Objectives of repeated chapter are not mentioned. So follow the previous table.

(K=knowledge **U**= Understanding **A**=Application/Ability **HA**=Higher Ability)

Specification Grid for 2nd Unit Test

Area	chapters	Est. Periods	No. of questions	No. of sub questions	Full marks
Physics	1.Work, Energy and Power	6			
	2. Heat	5	2	4	6
Chemistry	Metal and Non -Metal	5	1	2	5
Biology	Cell and tissue	5	1	2	5
Geology	Weather and climate	5	1	2	4

Specification Grid for 2nd Term

Area	chapters	No. of questions	No. of sub questions	Full marks
Physics	1.Measurement 2.Velocity and acceleration 3.Simple Machine 4.Pressure 5.Work ,Energy and power 6.Heat 7.Sound	5	10	25
Chemistry	8.Matter 9.Mixture 10.Metal and Non metal 11.Acid, Base and Salt	3	6	15
Biology	12.Living Beings Cell and tissue	3	6	15
Geology/ Astronomy	13.Structure of Earth 14.Weather and climate The Earth and Space	1	2	5
Environment science	15.Environment and its balance 16.Environment and degradation and its conservation	3	6	15

- Objectives of repeated chapter are not mentioned. So follow the previous table.

Specification Grid for 3rd Unit Test

Area	chapters	No. of questions	No. of sub questions	Full marks
Physics	Light			
	Magnetism	2	4	6
Chemistry	Matter	1	2	5
Biology	Life process	1	2	5
Environment Education	Environment and sustainable development	1	2	4

Specification Grid for Final Term

Area	chapters	Est. Periods	No. of questions	No. of sub questions	Full marks	Objectives
Physics	1.Measurement	5	5	10	25	-structure and working of simple cell and dry cell. -Domestic circuit and its elements.
	2. Velocity and acceleration	5				
	3.SimpleMachine	6				
	4.Pressure	5				
	5.Work ,Energy and power	6				
	6.Heat	5				
	7. Light	5				
	8.Sound	5				
	9.Magnetism	6				
	10.Electricity	6				
Chemistry	11.Elements and compounds	7	3	6	15	-properties of water -types of hardness of water and their treatments. -properties and uses of baking soda, washing soda and glycerol.
	12.Mixture	6				
	13.Metal and Non metal	5				
	14.Acid, Base and Salt	5				
	15.Some useful chemicals	4				

Biology	16.Living Beings 17.Cell and tissue 18.Life Process	5 5 8	3	6	15	
Geology/ Astronomy	19.Structure of Earth 20.Weather and climate 21.The Earth and Space	6 5 4	1	2	5	
Environment science	22.Environment and its balance 23.Environment and degradation and its conservation 24. Environment and sustainable development	5 6	3	6	15	

- Objectives of repeated chapter are not mentioned. So follow the previous table.

MODEL QUESTIONS FOR FIRST UT

PHYSICS

1. a) What is fundamental quantity? Write the difference between mass and weight.
1k+2U
b) Define speed. Find the acceleration of a bus if its velocity changes from 10m/s to 30 m/s in 5 seconds. 1k+2A

CHEMISTRY

2. a) Define compound. Draw the electronic configuration of magnesium atom. 1k+2A
b) Write modern periodic law. State any two advantages of modern periodic table.
1k+2U

BIOLOGY

3. a) Draw squamous epithelium and label any two parts. 2A
b) Write the function of a) vacuole b) Ribosome 2K

ENVIRONMENT SCIENCE

4. a) Write any four reasons of water pollution. 2U
5. b) What can you do in your locality for protection of environment? State any four points.
2HA

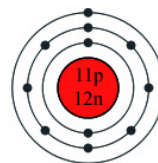
MODEL QUESTION FOR FIRST TERMINAL

- what is 1 kg mass? Convert 36km/hr into m/s. 1K+ 2A
 - what is meant by fundamental unit? Separate derived and fundamental units from the units given below: 1K+2U

Pascal, Mole, Joule, Candela
- Write a difference between 3 m/s and 3m/s²? Prove: $S=ut + \frac{1}{2}at^2$ 1U+3A
 - what is relative motion? Two cars are moving in the same direction. If the velocity of first car is 40 m/s and that of second car is 25m/s, calculate the relative velocity of first car with respect to the second car. 1k+2A
- Define lever. In which class do the following devices belong? 1K+2U
Bottle opener, crow-bar, fire- tongue, wheel-borrow
 - Define VR of a lever. VR of second class lever is always greater than 1. Justify your answer. 1k+2U
- Define 1 pascal pressure? Prove $P=hdg$ 1k+3A
 - write the value of atmospheric pressure at sea level. Foundation of building is made wider than walls.why? 1k+2U

GROUP-B [CHEMISTRY]

- What is an atom? An atom is electrically neutral why? 1k+2U
 - Study the atomic structure given beside and answer the following questions. 1+1+1=3U
 - Identify the element and write its symbol.
 - In which period and group in periodic table does it lie?
 - Why is it called highly reactive metal?



- What is atomic weight? What is the difference between 2H and H₂. 1K+1U
 - write any two differences between proton and electrons. 2A
- What is mixture? Write the different methods used to separate the components of mixture.1K+2U
 - What is fractional distillation? Draw a well labeled diagram of distillation method. 1K+3A

GROUP – C [BIOLOGY]

8. a) Draw a well labeled diagram of Bacteriophage virus. 3A
b) what is mycology? Fungi are called saprophytes. Why? 1K+1U
9. a) what is modification of leaves? Write any four causes of modification of leaves. 1K+2U
b) why potato is called modified stem? 1U

GROUP – C [GEOLOGY]

10. a) What is soil erosion? Write any four preventive measures of soil erosion. 1k+2U
b) Name any four major minerals found in Nepal. 2A
11. a) What do you mean by weathering of rocks? 1K
b) 'The economic status of a country rises with availability of different minerals'. Do you agree with this statement? Put your logic. 2HA

GROUP – D [ENVIRONMENT SCIENCE]

12. a) What is national park? Name any two national parks of Nepal. 1K+1K
b) Name any two medicinal plants with their uses. 1K+1U
13. a) Name any two protected animals of Nepal. Also mention the measures for the conservation of rare plants and animals. 1K+2A
b) Write short note on 'Bengal Tiger'. 2U
14. a) Describe the needs and importance of forest in brief. 3HA
b) What is pollution? Suggest any four controlling measures of water pollution. 1K+2HA

COMPULSORY MATHS

CONTRIBUTORS

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SYLLABUS FIRST UNIT TEST

S.N	Chapters	Chapter no.	Estimated periods	Objectives
1	Sets	1.1 to 1.5(up to ex.1.3)	10	Use Venn -diagram to show the relation between the sets.
2	Area	18.1	8	Find the area of triangle
3	Factorization	9.1 and 9.2 (up to ex.9.3)	4	Factorize the polynomial
4	Line and angle	12.1	8	Concept of different types of line and angle
5	Statistics	8.1	4	Concept of statistical data.

FIRST TERM

S.N	Chapters	Chapter no.	Estimated periods	Objectives
1	Sets*	1.1 to 1.5		Use venn diagram to show the relation between the sets.
2	Area*(Mensuration)	18.1	4	Find the area of triangle
3	Indices	10.1	10	Apply the law of indices in algebra
4	Co-ordinates	17.2	10	Concept of distance between two points.
5	Profit and Loss	5.2	9	Basic concept of c.p , s.p ,loss and profit.
6	Factorization*	9.1 and 9.2	4	Factorize the polynomial
7	Statistics	8.1	6	Concept of statistical data.
8	Ratio	4.1	10	Understand the concept of ratio.
9	Triangle*Isosceles triangle	13.1	8	Concept of different types of line and angle and triangle.
10	Transformation	19.1 and 19.2	6	

SECOND UNIT TEST

S.N	Chapters	Chapter no.	Estimated periods	Objectives
1	Whole number and intergers	2.1 (up to ex.2.1)	10	Concept of whole numbers and intergs
2	Area and volume of solids	18.2	8	Find the area of triangle and volume of solids
3	Equation and graph	11.1	4	Solve the linear equation
4	Congruency of triangle	14.1	8	Conditions of congruency of triangle
5	Statistics	8.1 and 8.2	4	Concept of statistical data.

SECOND TERM

S. No.	Chapters	Estimated periods	Objectives
1	*Whole number and intergers	4	Concept of whole numbers and intergs
2	*Area and volume(Mensuration)	4	Find the area of triangle and volume of solids
3	*Equation and graph	10	Solve the linear equation
4	*Congruency of triangle	10	Conditions of congruency of triangle
5	*Statistics	9	Concept of statistical data.
6	Rational and Real numbers	4	Concept of rational number
7	Circle	6	Area of circle
8	Unitary method	10	Concept of unitary method
9	Scale drawing	8	Use of scale drawing
10	Transformation	6	Concept of reflection
Total Marks			

THIRD UNIT TEST

S.N	Chapters	Chapter no.	Estimated periods	Objectives
1	Whole number and intergers	2.2 and 2.3	10	Concept of whole numbers and intergs
2	Rational number	3.5 to 3.11	8	Find the add and substack of real number
3	Equation and graph	11.2 to 11.5	4	Solve the linear equation
4	Congruency of triangle	14.2 and 14.3	8	Conditions of congruency of triangle
5	Statistics	8.3 to 8.8.4 and 20.2	4	Concept of statistical data.

FINAL TERM

S. No.	Chapters	Estimated periods	Objectives
1	Line and Angles	4	Understand the concept of Alternative, corresponding angles
2	Triangles and polygons	4	Find the area of triangle and volume of solids
3	Similarity and congruency	10	Conditions of congruency of triangle
4	Circle	10	Concept of Area of circle
5	Solid spheres	9	Understand prism ,cylinder and cube
6	Co-ordinates	4	Concept of rational number
7	Perimeter area and volume	6	Area of circle
8	Transformation	10	Concept of unitary method
	Bearing and drawing	8	Use of scale drawing
10	Set	6	Apply venn diagram to show the relation in sets
11	Whole number ,Intergers Rational and Real numbers		Concept of whole numbers and intergers

12	Ratio proportion and percentage		Understand the concept of percentage and its application
13	Rational number		
14	Profit and loss		Calculate M.P and vat amount .
15	Unitary method		Solve the problems in real life situation using unitary method.
16	Simple interest		Concept of simple interest in real life.
17	Statistics		Concept of mean median of data.
18	Algebraic Expression		Factorize ,HCF ,LCM add and,subtract of expression
19	Indices		Concept of indices
20	Equation , Inequality and Graph		Solve the linear equation and inequality

SPECIFICATION GRID FOR FIRST UNIT TEST

S. No.	Chapters	No of questions each of 1 mark.	No of questions each of 2 Marks	No of questions each of 4 Marks
1	Sets	1 (KB)		1 (PS)
2	Area(Mensuration)	1 (KU)		1 (PS)
3	Factorization		1 (KB)	
4	Line and angle		1 (PS)	
5	Statistics		1(SB)	1(KB)
Total Marks		2 marks	6 Marks	12 Marks

Note: KU=Knowledge & understanding, KB= knowledge based, SB= Skill based, UB= Understanding based, PS= Problem solving capacity

SPECIFICATION GRID FOR FIRST TERM

S. No.	Chapters	No of questions each of 1 Mark	No of questions each of 2 Marks	No of questions each of 4 Marks
1	Sets*	1(KU)	1 (SB & UB)	1 (PS)
2	Area*(Mensuration)	1(KU)	1 (KB &SB)	2 (SB)
3	Indices	1(KU)	2 (SB & UB)	2 (PS)
4	Co-ordinates	1(KU)	2(KB &SB)	1 (PS,UB, KB&SB)
5	Profit and Loss	1(KU)	2 (KB &UB)	1 (PS)
6	Factorization*	1(KU)	3 (KB)	2 (KB,SB &UB)
7	Statistics	1(KU)	1qw(KB &UB)	1 (SB)
8	Ratio	1(KU)	2 (SB &UB)	1 (PS)
9	Triangle*Isosceles triangle	1(KU)	2 (SB &UB)	2 (PS)
10	Transformation	1(KU)	1 (SB &UB)	1 (PS)
Total Marks		10 Marks	34 Marks	56 Marks

Note:KU=Knowledge & Understanding, KB= knowledge based, SB= Skill based, UB= Understanding based, PS= Problem solving capacity Chapters with * sign are taught for **First Unit Test**

SPECIFICATION GRID FOR SECOND UNIT TEST 2075

S. No.	Chapters	No of questions each of 1 mark.	No of questions each of 2 Marks	No of questions each of 4 Marks
1	Whole number and intergers	1 (KB)		1 (PS)
2	Area and volume(Mensuration)	1 (KU)		1 (PS)
3	Equation and graph		1 (KB)	
4	Congruency of triangle		1 (PS)	
5	Statistics		1(SB)	1(KB)
Total Marks		2 marks	6 Marks	12 Marks

Note: KU=Knowledge & understanding, KB= knowledge based, SB= Skill based, UB= Understanding based, PS= Problem solving capacity

SPECIFICATION GRID FOR SECOND TERM

S. No.	Chapters	No of questions each of 1 Mark	No of questions each of 2 Marks	No of questions each of 4 Marks
1	*Whole number and intergers	1(KU)	1 (SB & UB)	1 (PS)
2	*Area and volume(Mensuration)	1(KU)	1 (KB &SB)	2 (SB)
3	*Equation and graph	1(KU)	2 (SB & UB)	2 (PS)
4	*Congruency of triangle	1(KU)	2(KB &SB)	1 (PS,UB, KB&SB)
5	*Statistics	1(KU)	2 (KB &UB)	1 (PS)
6	Rational and Real numbers	1(KU)	3 (KB)	2 (KB,SB &UB)
7	Circle	1(KU)	1qw(KB &UB)	1 (SB)
8	Unitary method	1(KU)	2 (SB &UB)	1 (PS)
9	Scale drawing	1(KU)	2 (SB &UB)	2 (PS)
10	Transformation	1(KU)	1 (SB &UB)	1 (PS)
Total Marks		10 Marks	34 Marks	56 Marks

Note:KU=Knowledge & Understanding, KB= knowledge based, SB= Skill based, UB= Understanding based, PS= Problem solving capacity Chapters with * sign are taught for **SECOND Unit Test**

SPECIFICATION GRID FOR THIRD UNIT TEST

S. No.	Chapters	No of questions each of 1 mark.	No of questions each of 2 Marks	No of questions each of 4 Marks
1	Whole number and intergers	1 (KB)		1 (PS)
2	Rational number	1 (KU)		1 (PS)
3	Equation and graph		1 (KB)	
4	Similarity and Congruency of triangle		1 (PS)	
5	Statistics and Bearing		1(SB)	1(KB)
Total Marks		2 marks	6 Marks	12 Marks

SPECIFICATION GRID FOR FINAL TERM

S. No.	Chapters	No of questions each of 1 Mark	No of questions each of 2 Marks	No of questions each of 4 Marks
1	Line and Angles	1(KU)	1 (SB)	
2	Triangles and polygons			2 (SB)
3	Similarity and congruency		2 (SB & UB)	
4	Circle	1(KU)	1(SB)	
5	Solid spheres		1(UB)	
6	Co-ordinates	1(KU)	1(KB)	

7	Perimeter area and volume		1(UB)	1 (PS)
8	Transformation		2 (SB &UB)	1 (PS)
	Bearing and drawing	1(KU)	2 (SB &UB)	
10	Set	1(KU)	1 (UB)	1 (PS)
11	Whole number ,Integers Rational and Real numbers	1(KU)	1(SB)	
12	Ratio proportion and percentage		1(SB)	1(SB)
13	Rational number			
14	Profit and loss			1(PS)
15	Unitary method			1(PS)
16	Simple interest			1(PS)
17	Statistics	1(KU)	1(SB)	1(PS)
18	Algebraic Expression	1(KU)	1(SB)	3(PS)
19	Indices	1(KU)		
20	Equation , Inequality and Graph	1(KU)		1(PS)
		10 Marks	34 Marks	56 Marks

Note:KU=Knowledge & Understanding, KB= knowledge based, SB= Skill based, UB= Understanding based, PS= Problem solving capacity Chapter.

MODEL QUESTIONS BASED ON FIRST UNIT TEST

FULL MARKS :20

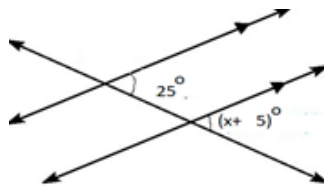
PASS MARKS :10

GROUP – A [1×3 = 3 MARKS]

- a) If $A = \{1, 3, 5, 7, 9\}$ and $B = \{2, 3, 6, 7\}$ Find $B - A$.
- b) Factorize: $16x^2 - 9x^2$

GROUP – B [2×3 = 6 MARKS]

- Resolve into factors: $6x^2 + 5x - 4$.
- Find the value of x from given diagram.



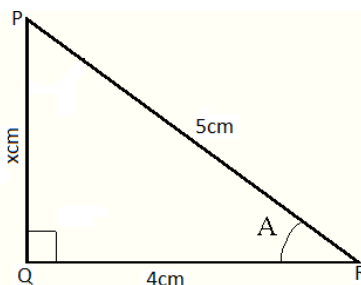
- Two complementary angles are in the ratio 4:6, find the angles.

GROUP – C [2×4 = 8 MARKS]

- In a group of 100 students, 70 like to play football, 40 like to play basketball and 30 like to play both
 - Draw a Venn diagram to illustrate the above information.
 - How many students don't like to play any game?
- Factorize: $a^4 - b^4 + (a^2 + b^2)$

A.MATHS [2×2 = 4 MARKS]

- Find the distance between origin and (3, 4).
- Find the value of x .



Model Question for Terminal Exam

Full Marks : 100

Time : 3 Hours

Attempt all the questions:

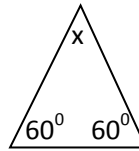
Group A [1×10 = 10]

1. a) Shaded the portion A-B in a Venn-diagram.
b) Find the area of triangle whose base is 4 cm and height 6 cm ?

2. a) A watch which was bought for Rs 100 was sold at Rs 120, what will be the gain?

b) Simplify: $\frac{a^2 \times a^3}{a^4}$

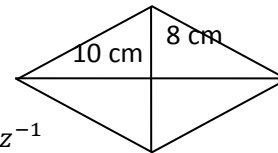
3. a) Write Pythagoras theorem in a right angled triangle.
b) Factorize: $(a - b) - (a - b)^2$
4. a) Find the ratio of 125 gm and 1 kg .
b) Find the value of x in the given figure.



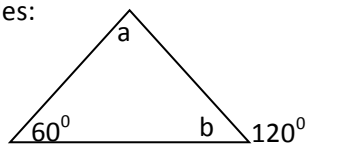
Group B [2×17 = 34]

6. a) If $U = \{1,2,3,4,5,6,7,8,9,10\}$, $A = \{\text{prime numbers}\}$, $B = \{\text{even numbers}\}$, find $(\overline{A \cup B})$

b) Find the area of the kite.



- c) If $x = 1$, $y = 2$ and $z = 3$ find the value of $x^{-2}y^{-2}z^{-1}$
7. a) Find the value of $(\frac{8}{27})^{\frac{2}{3}}$.
b) If the length and breadth of a rectangle are 8 cm and 6 cm respectively, find the length of diagonal.
c) Prove that 5 cm, 3cm and 4cm are the sides of right angled triangle.
8. a) Ram buys a table fan for Rs 800 and sells it for Rs 850 .Find his gain percent.
b) A watch is bought at Rs 500 and sold it at a loss of Rs 100.Find his selling price.
c) Factorize; $a^2 - (x + y)a + xy$
9. a) Find the range of the following data : 31,45,40,36,59,72,60,56,65 and 38
b) Factorize: $a^2 + bc + ab + ac$
c) If $a = -1$ $b = 3$ and $c = 2$, evaluate: $a^b b^a c^c$
10. a) Find the value of x if $\frac{x}{4} = \frac{2}{8}$
b) Divide Rs 150 into two parts in the ratio of 2:3.
c) Find the value of unknown variables:



11. a) If a base angle is double of the vertical angle of an isosceles triangle, then find all angles.

b) Write the images of the triangle ABC whose vertices are A(2,3), B(3,-2) and C(1,-2) under the reflection of y-axis.

Group C [4×14 = 56]

12. In a survey of a community, 45% of the people like Dashain festival, 65% like Tihar festival and 20% like both festivals. Then

(a) Draw a Venn diagram to illustrate the above information.

(b) What percent of them don't like both?

13. Simplify:

14. If the height and area of the trapezium are 11 cm and 396 cm^2 respectively and the parallel sides are in the ratio 3:5, find their lengths.

15. A ladder 13 m long is placed on the ground in such a way that it touches the top of vertical wall 12 m high. Find the distance of the foot of the ladder from the bottom of the wall.

16. A fruit seller purchase 500 mangoes at Rs 2 each. 100 of them were rotten and he sold the rest Rs 3 each. Find his profit or loss percent.

17. Factorize : $4a^5 - 8a^4 - 3a^3 - 6a^2 + 2a - 4$

18. Construct a grouped frequency table in classes 0-5, 5-10 etc from the following data.

19, 11, 7, 25, 30, 18, 38, 31, 25, 33, 17, 5, 33, 11, 3, 39, 33, 27, 18, 9, 12, 21, 24, 20, 12, 15, 9, 9, 14, 8, 7, 40, 38, 38, 36, 17, 22, 30, 39, 10

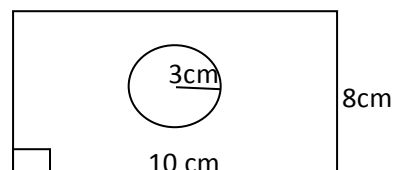
Also construct a less than cumulative frequency table from the above data.

19. Verify experimentally that base angles of an isosceles triangle are equal (Draw two figures of different measurements)

20. Two numbers are in the ratio 3:4. If 2 is added to each of them their ratio becomes 5:6. Find the numbers.

21. Find the reflection image of triangle ABC with vertices A(3,2), B(5,6), C(8,1) about x-axis. Also show the triangle and its image on the same graph paper.

22. Find the area of the shaded portion of the figure.



23. Factorize: $ab^2 - b(a - c) - c$

24. In ΔABC , $AC = 4x$, $BC = 6x - 6$, $AB = 5x - 8$ and $\angle A = \angle B$. Find the perimeter of ΔABC .

Good Luck

ने पाली

निर्माणकर्ता

भीमनाथ शर्मा

बार्षिक पाठ्यक्रम (२०७५)
प्रथमखण्ड परीक्षाको लागि

शीर्षक	उद्देश्य	अवधि
नेपाल कविता	कविता सिकाइको मुख्य उद्देश्य लयबोध, भावबोध र उच्चारण सिपको विकास गर्नु हो । राष्ट्रप्रतिको माया, देशप्रेमी भावनाको विकास गर्नु	३९
भाग्य कथा	कथानात्मक अभिव्यक्ति सिपको विकास गर्नु हो	
देवकुमारी थापा जीवनी	विशिष्ट व्यक्तित्व एवम् चरित्रसँग परिचित गराइ नेपाली भाषा साहित्य एव समाजसेवाको महत्व उजागर गर्नु	
	व्याकरण : नाम, सर्वनाम , विशेषण , क्रियापद, लिङ्ग, वचन, पर्यायवाची शब्द, विपरीतार्थक शब्द विभिन्न शब्दहरूसँग परिचित गराइ तिनको उच्चारण ,प्रयोग, गर्नु सिकाउनु	
ग्रन्थचित्र प्रवन्ध	प्राचीन नेपाली भाषाका कवि शब्दसँग परिचित गराउनु कृषियोजना प्रोत्साहित आकर्षित बनाउनु सक्षम बनाउनु	अवधि ४९
निवेदन	विभिन्न प्रकारका चिठी लेखनसिपको विकास गर्नु	
मित्रता कथा	सदाचार, इमान्दारिता र कर्तव्य निष्ठा भावको विकास गराउनु	
श्रम र सिप कविता	परिश्रम र मिहिनेतमा विश्वास गर्न सिकाउनु	
	व्याकरण : अव्यय, पुरुष, आदर, करण, अकरण , काल पक्ष , श्रुतिसमभिन्नार्थ शब्द	

प्रथम त्रैमासिक परीक्षाको लागि

दोस्रो खण्ड परीक्षाको लागि

		अवधि
भूगोलविद् हर्क गुरुङ जीवनी	विशिष्ट व्यक्तित्व एवम् चरित्रसँग परिचित गराइ नेपाली भाषा साहित्य एव समाजसेवाको महत्व बताउनु, राष्ट्रिय भावनाको विकास गर्नु	३४
प्रकृति र वातावरण प्रबन्ध	प्रकृति र वातावरण को महत्व बताइ संरक्षण गरी मानवीय हितमा उपयोग गर्न सिकाउनु	
एउटा घटना दाजुलाई चिठी	विभिन्न प्रकारका चिठी लेखन सीपको विकास गराउनु	
मेरो घर कविता	देश भक्तिको भावनाको विकास गराउनु	
	व्यकरण : आदर, क्रियाको भाव वा अर्थ,सङ्क्षिप्त शब्द	

दोस्रो त्रैमासिक परीक्षाको लागि

		अवधि
विज्ञान अभिशाप नभई बरदान वाद विवाद	तिर्किक शक्तिको विकास गराउनु	४९
साहित्यकार रविन्द्रनाथ ठाकुर जीवनी	विशिष्ट व्यक्तित्व एवम् चरित्रसँग परिचित गराउनु	
ठग समातियो कथा	धैर्यता र असल चरित्रको निर्माण गराउनु	
म सौर्य ऊर्जा हुँ	सौर्य ऊर्जाको महत्व र प्रयोगका बारेमा जानाकारी दिनु	
कम्प्युटर र इन्टरनेट	कम्प्युटर र इन्टरनेटको प्रयोग तथा महत्वको बारेमा ज्ञान दिनु	
	व्याकरण वाक्य परिवर्तन, कारण , विभक्ति, समास, उखान टुक्का, वादविवाद	

तेस्रो खण्ड परीक्षाको लागि

		अवधि
हामी एउटै हौं	एकताको भावनाको विकास गराउनु	२५
आह्वान	देशको निर्माण र विकासमा जुट्न सबै नेपालीलाई आह्वान गर्नु गराउनु	
सिंह र स्यालको कथा	मानवतावादी भावनाको विकास गराउनु	
	व्याकरण अनुकरणात्म शब्द, शब्द निर्माण , लेख्य चिन्ह, जीवनी र निबन्ध	

बार्षिक परीक्षाको लागि

		अवधि
२०नेपाली संस्कृति प्रबन्ध	नेपालको धर्म संस्कृतिसँग परिचित गराइयसको संरक्षण संवद्नको भावनाको विकास गराउनु	३९
२१सर आइजक न्युटन जीवनी		
२२ स्वाभिमान कथा	लोभ लालचमा नपरी निश्वार्थ रुपमा देशको सेवा गर्नु पछि भन्ने भावनाको विकास गराउनु	
	व्याकरण पारिभाषिक शब्द, सिङ्गो शब्द, अनेकार्थी शब्द, लघुतावाची शब्द , निवेदन, कविता	

पठनपाठनका विद्यागत उद्देश्य

कथा

कथा सिकाइको मुख्य उद्देश्य विद्यार्थीहरूमा कथनात्मक अभिव्यक्ति सिपको विकास गर्नु हो । कथनात्मक अभिव्यक्ति भन्नाले मौखिक तथा लिखित कथनलाई लिइन्छ । वस्तुतः कथा सिकाइका माध्यमबाट सुनाइ, बोलाइ, पढाइ, लेखाइ जस्ता चारै सिपको अभ्यास गराउनुपर्छ । यस क्रममा कथा श्रवण, कथा कथन, कथाको अनुकृत लेखन आदि गराउन सकिन्छ । कथाका माध्यमबाट सस्वर तथा मौन पठन, बोध, प्रश्नोत्तर, बुँदा टिपोट, सारांश, घटना क्रम मिलाउने, कठिन शब्दको उच्चारण, अर्थ र प्रयोग, श्रुति लेखन, अनु लेखन जस्ता कार्यकलाप गराउनुपर्छ ।

कविता

कविता सिकाइको मुख्य उद्देश्य लयबोध, भावबोध र उच्चारण सिप विकास गर्नु हो । अतः कविता सिकाइ गर्दा विशेषतः लययुक्त सस्वरवाचन, भाव पहिचान, प्रश्नोत्तर, भावार्थ र भाव विस्तार आदिका क्रियाकलाप गराउनुका साथै कविताको अनुकरणात्मक र सिर्जनात्मक लेखनतिर प्रवृत्त गराउनु पनि उपयुक्त हुन्छ ।

प्रबन्ध / निबन्ध

प्रबन्ध/निबन्ध विधाको मुख्य प्रयोजन विद्यार्थीमा गद्यात्मक अभिव्यक्तिको बोध क्षमताका साथै गद्यात्मक लिखित अभिव्यक्ति क्षमताको विकास गर्नु हो । यसको सिकाइका क्रममा निर्दिष्ट प्रबन्ध/निबन्धका पाठको उपयोग गर्नुका साथै खास विषय शीर्षक दिई निर्देशित र स्वतन्त्र रूपमा निबन्ध लेखनको अभ्यास गराउनुपर्छ । गद्यात्मक अभिव्यक्तिको अभ्यास गराउँदा मौन पठन, प्रश्नोत्तर, छलफल, व्याख्या आदिको उपयोग गर्नुपर्छ । यसका अतिरिक्त गद्यांशको सस्वर पठन, बुँदा टिपोट, सारांश, भाव विस्तार, व्याख्याका साथै शब्दोच्चारण, कठिन शब्दको अर्थ पहिचान र वाक्यमा प्रयोग, श्रुति लेखन तथा अनु लेखन जस्ता अभ्यास गराउनु आवश्यक छ ।

रूपक

रूपक विधाको मुख्य प्रयोजन कथ्य अभिव्यक्ति क्षमता बढाउनु हो । यसको सिकाइ गर्दा निर्दिष्ट संवाद/एकाइकी तथा वाद विवादलाई परिस्थिति, पात्र तथा भावानुकूल वाचन, अभिनय एवम् भूमिका निर्वाहको अभ्यास गराउनुपर्छ । यस क्रममा कथ्य अभिव्यक्ति क्षमता बढाउन सहायकहुने हाउभाउ, स्वरको आरोह, अवरोह, आघाट, गति, यति आदिको ख्याल गर्नुपर्छ । रूपक विधाको अभ्यास गराउँदा प्रश्नोत्तर, कुराकानी, हाउभाउ पहिचान, संवाद वा वाद विवादको अनुकरणात्मक लेखन, संवादपूर्ति, संवाद लेखन, वाद विवाद लेखन, स्वतन्त्र लेखन, श्रुति लेखन, अनु लेखन आदि क्रियाकलाप समेत गराउनुपर्छ ।

जीवनी

जीवनी सिकाइको मुख्य उद्देश्य पनि प्रबन्ध/निबन्ध वा कथामा उल्लेख भए भैं भाषाका मौखिक तथा लिखित अभिव्यक्ति सिकाइको विकास गर्नु हो । यो विधा विशिष्ट व्यक्तित्वका जीवनमा घटेका घटनाहरूलाई आधार मानी प्रस्तुत गरिन्छ । जीवनीका माध्यमबाट विशिष्ट व्यक्तित्व एवम् चरित्रहरूको मौखिक तथा लिखित वर्णन गर्ने सिकाइको विकास गराउन सकिन्छ । यस्ता पाठहरूबाट श्रुतिबोध, पठन बोध, सस्वर तथा मौन पठन, सारांश, घटना क्रम मिलाउने, श्रुति लेखन, अनु लेखन, कठिन शब्दको उच्चारण, अर्थ र प्रयोग, बुँदा टिपोट जस्ता क्रियाकलाप गराउनुपर्छ ।

चिठी

चिठी लेख्य विधा भएकाले यसअन्तर्गत घरायसी चिठी र कार्यालयीय निवेदन लेखनको अभ्यास गराउनु पर्छ । यस तहमा विदा, छात्रवृत्ति, कार्यक्रममा सहभागिता, गुनासो, निमन्त्रणा पत्र, शुभ कामना, बधाइ, समवेदना तथा सामग्री माग सम्बन्धी विषयवस्तु समेट्नु उपयुक्त हुने छ । यस क्रममा पाठमा प्रयुक्त चिठी तथा निवेदनको सिकाइ गर्दा तिनलाई नमुनाका रूपमा उपयोग गरी तिनको ढाँचा र विभिन्न अङ्गको सोदाहरण परिचय समेत दिनुपर्छ ।

विशिष्टीकरण तालिका

एकाइ परीक्षाको लागि विशिष्टीकरण तालिका

क्षेत्र	प्रश्न सङ्ख्या	अङ्क भार	समय	स्पष्टीकरण
शब्द भण्डार(अर्थ लेखन)	१	१.५	३ मिनट	पाठमा प्रयोग भएका शब्दमध्येबाट ३ वटा शब्द दिई अर्थ लेख्न लगाउने अर्थ विकल्पमा २ अतिरिक्त शब्द दिनेत्र
वाक्य प्रयोग	१	२	२ मिनट	उखान, टुक्का र पारिभाषिक शब्दमध्येबाट २ वटा शब्द दिई वाक्य प्रयोग गर्न लगाउन
व्याकरण	१	१.५	३ मिनट	काल, पक्ष र भावमध्येबाट सङ्केतका आधारमा वाक्य पूरा लगाउने
शब्दवर्ग	१	२	३ मिनट	विकारी र अविकारी शब्दवर्गबाट ४ वटा पने गरी एउटा वाक्य दिएर रेखाङ्कन गरी पहिचान गर्न लगाउने
पाठगत बोध	१	४	१० मिनट	पढेको पाठमध्येबाट एउटा अनुच्छेद दिई २ वटा प्रश्न दिएर उत्तर लेख्न लगाउने
पठनबोध	१	५	९ मिनट	एउटा अनुच्छेद दिई बोधसम्बन्धी २ र व्याकरण सम्बन्धी ३ प्रश्न सोध्ने
सप्रसङ्ग व्याख्या	१	४	१०मिनट	कविताबाट १ र अन्य पाठबाट १ गरी २ प्रश्न दिएर १ लेख्न लगाउने
जम्मा	७	२०	४० मिनट	

त्रैमासिक परीक्षाका लागि विशिष्टीकरण तालिका

क्षेत्र	विषय	प्रश्न सङ्ख्या	अङ्कभार	समय (मिनटमा)	स्पष्टीकरण
१.शब्द भण्डार	अर्थ लेखन	१	२	४	पाठमा प्रयोग भएका कुनै ४ ओटा शब्द(तत्सम-२, तद्भव-१ र आगन्तुक-१ रतिनको अर्थविच जोडा मिलाउन लगाउने । जोडा मिलाउन दिँदा शब्द सङ्ख्याभन्दा अर्थ बढी दिने
	शब्द पहिचान	१	२	४	पाठ्य पुस्तकमा प्रयोग भएका विपरीतार्थी-१, पर्यायवाची-१, अनेकार्थी-१ र श्रुतिसमभिन्नार्थी-१ शब्द पर्ने गरी दिएर सङ्केतबमोजिम खाली ठाउँ भर्न लगाउने ।
	वाक्यमा प्रयोग	१	२	४	पाठ्य पुस्तकमा प्रयोग भएका अनुकरणात्मक, प्राविधिक/पारिभाषिक, उखान, टुक्का र निपात मध्येबाट कुनै २ओटा दिई वाक्यमा प्रयोग गर्न लगाउने ।
२.हिज्जे	शुद्धीकरण	१	१	२	ब/व, श/ष/स र पञ्चम वर्ण प्रयोग भएकाशब्दहरूमध्ये कुनै दुई शब्दको शुद्ध रूप छानेर लेख्ने २ ओटा बहु वैकल्पिक प्रश्न सोध्ने ।
	वाक्यमा	१	२	४	एउटा शब्दमा एउटा मात्र अशुद्धि पर्ने गरीलेख्य चिह्न-१, पदयोग र पद वियोग -१, ह्रस्व-१ र दीर्घ-१ पर्ने गरी ४ ओटा अशुद्धि भएको वाक्य दिई शुद्ध पार्न लगाउने ।
३.व्याकरण	शब्दवर्ग	१	३	५	नाम, सर्वनाम, विशेषण, क्रियापदबाट ४ ओटा र अव्यय (नामयोगी, क्रियायोगी, संयोजक, निपात, विस्मयादि बोधक) बाट २ गरी फरक फरक वर्गका कुनै ६ ओटा शब्द पर्ने गरी एउटा अनुच्छेद दिने र रेखाङ्कन गरीपहिचान गर्न लगाउने ।
	शब्द निर्माण(उपसर्ग प्रत्यय)	१	२	४	कुनै छोटो गद्यांश दिई कम्तीमा दुई ओटा उपसर्ग लागेका र कम्तीमा दुई ओटा प्रत्यय लागेर बनेका शब्द दिएर तिनको पहिचान गरी लेख्न लगाउने वा दुई ओटा उपसर्ग र दुई ओटा प्रत्यय दिई शब्द निर्माण गर्न लगाउने
	समास विग्रह				विग्रह भएको शब्द एउटा र समस्त शब्द एउटा दिई समास वा विग्रह गर्न लगाउने
	काल, पक्ष, भाव	१	२	४	काल र पक्षबाट २ र भाव/अर्थबाट २ ओटा धातु सङ्केत गरी वाक्य पुरा गर्न लगाउने ।
	वाक्य परिवर्तन	१	४	७	कोष्ठकमा निर्देश गरेर निम्नबमोजिम ४ वाक्य परिवर्तन गर्न लगाउने :(वाक्य, वाच्य, लिङ्ग, करण, पुरुष)
	स्वतन्त्र वाक्य रचना	१	३	५	क्रियाको खास काल, पक्ष वा क्रियाको अर्थ/भावमध्ये कुनै एकको कोटी तोकेर ३ वाक्यमा कुनै विषयको वर्णन गर्न लगाउने ।

४. पठनबोध	(क) बोधसम्बन्धी प्रश्न(दृष्टांश)	१	५	९	कुनै गद्यांश दिई निम्नबमोजिम ५ ओटा प्रश्न सोध्ने : (क) पाठमा (गद्यांश) आधारित भई एउटा तथ्यपरक र अर्को अनुमानात्मक गरी दुईप्रश्न सोध्ने । (ख) कारकहरूमध्ये कुनै एक कारक र विभक्ति प्रयोग भएको वाक्य पाठ (गद्यांशबाट खोजेर लेख्न लगाउने । (ग) पाठ (गद्यांश) मा प्रयोग भएका सरल, संयुक्त वा मिश्र वाक्यलाई सरल भए मिश्र वा संयुक्तमा, मिश्र भए सरल वा संयुक्तमा र संयुक्त भए मिश्र वा सरलमा परिवर्तन गर्न लगाउने । (घ) अनुच्छेदबाट विपरीतार्थी, पर्यायवाची र अनेकार्थी शब्द पहिचान गर्न लगाउने र त्यसशब्दलाई वाक्यमा प्रयोग गर्न लगाउने ।
	(ख) बोध सम्बन्धी प्रश्नोत्तर (अदृष्टांश)	१	५	९	गद्य विधाबाट बढीमा १५० शब्दसम्मको अनुच्छेद दिई एक वा दुई वाक्यमा उत्तर आउने तथ्यपरक, सन्दर्भ बोधक, प्रक्रिया बोधक आदि ५ ओटा प्रश्न सोध्ने ।
५. बुद्धा टिपोट र सारांश (दृष्टांश)		१	५	९	गद्य विधाका पाठबाट बढीमा १५० शब्दसम्मको दृष्टांश दिई ४ ओटा बुदा टिपेर सारांश लेख्न लगाउने ।
६. निर्देशित रचना	कथा/जीवनी, एकाङ्की/मनो वाद/वाद विवाद/चिठी	१	४	७	बुद्धा दिई कथा/जीवनीबाट एक र एकाङ्की/मनोवाद/वाद विवाद/चिठीबाट एक गरी दुई प्रश्न सोधेर कुनै एक प्रश्नको उत्तर दिन लगाउने ।
७. भाव विस्तार/ व्याख्या / सप्रसङ्ग व्याख्या		१	४	७	कथा/कविता/निबन्ध/ जीवनी विधाबाट कुनै दुई विशिष्ट पङ्क्ति दिई कुनै १ को भाव विस्तार, व्याख्या वा सप्रसङ्ग व्याख्या गर्न लगाउने ।
८. पाठगत बोध	(क) कथा, कविता, जीवनी, प्रबन्ध/निबन्ध (सन्दर्भमा आधारित सङ्क्षिप्त उत्तरात्मक)	२	८	१४	निम्नबमोजिम तिन प्रश्न सोधी कुनै दुई प्रश्नको उत्तर दिन लगाउने (क) पाठ्य पुस्तकका कथाबाट कुनै अंश उद्धृत गरी त्यसका आधारमा विषय वस्तु लेख्ने, घटना वर्णन, मूल भाव वा सन्देश, चरित्र चित्रण सम्बन्धी कम्तीमा ५ वाक्यमा उत्तर दिने खालका सङ्क्षिप्त उत्तरात्मक २ प्रश्न सोध्ने (ख) पाठ्य पुस्तकका कविताबाट कुनै अंश उद्धृत गरी त्यसका आधारमा विषय वस्तु उल्लेख, वर्णन, मूल भाव वा सन्देश सम्बन्धी कम्तीमा ५ वाक्यमा उत्तर दिने खालका सङ्क्षिप्त उत्तरात्मक २ प्रश्न सोध्ने । (ग) पाठ्य पुस्तकका जीवनी, निबन्ध/प्रबन्धमध्ये कुनै एक विधाबाट गद्यांश उद्धृत गरी त्यसका आधारमा विषयवस्तु लेख्ने, घटना वर्णन गर्ने, मूल भाव वा सन्देश उल्लेख गर्ने, चरित्र चित्रण सम्बन्धीकम्तीमा ५ वाक्यमा उत्तर दिने खालका सङ्क्षिप्त उत्तरात्मक २ प्रश्न सोध्ने ।
	(ख) तार्किक शिल्प/समस्या समाधानात्मक	१	४	७	पाठ्य पुस्तकभित्रका कथा, जीवनी, प्रबन्ध/निबन्धको कुनै सन्दर्भ दिई आफ्ना विचारले पुष्टि गर्ने, तर्क दिने वा कुनै समस्या देखाई समस्या समाधान गर्ने खालका प्रश्न सोध्ने ।
९. पाठगत बोध (लामो उत्तरात्मक)	कथा, कविता, जीवनी, प्रबन्ध/निबन्ध	१	८	१४	पाठ्य पुस्तकभित्र समावेश गरिएका कथा, कविता, जीवनी, प्रबन्ध/निबन्धमध्ये कुनै दुई विधाबाट पाठगत अंश वा सूचना दिई त्यसका आधारमा विश्लेषणात्मक, सिर्जनात्मक तथा समीक्षात्मक क्षमता परीक्षण गर्ने किसिमका कुनै दुई प्रश्न सोधी एक्को उत्तर दिन लगाउने ।
१०. स्वतन्त्र		१	८	१४	एक आत्मपरक र दुई वस्तुपरक गरी तिन शीर्षक दिने र कुनै एउटामा कम्तीमा

रचना (सिर्जनात्मक)				१५० शब्दसम्मको निबन्ध लेख्न लगाउने ।
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(सैद्धान्तिक मूल्याङ्कन)

१) तलका शब्दहरुको मिल्दो अर्थ सँग जोडा मिलाउनुहोस् :- ३

वर्ण	वेसहारा
तन्त्र	गरिमा
मूल्य	शासन पद्धति
असहाय	आपत
व्यवस्था	सम्पत्ति
विपत्ति	रङ्ग
	बन्दोबस्त

२) अर्थ स्पष्ट हुने गरी वाक्यमा प्रयोग गर्नुहोस् :- ३

मान, प्रेरणादायी, रातभरि करायो दक्षिणा हरायो ।

३) तलका पश्नहरुको उत्तर लेख्नुहोस् :- ६

क) देवकुमारी थापालाई किन प्रेरणाकी मुहान भनिन्छ ?

ख) हामीले आफ्नो भाग्य कसरी लेख्न सक्छौं ?

४) सप्रसङ्ग व्याख्या गर्नुहोस् :- ४

विपत्ति पर्दा पनि हाँसिहाँसी

तयार भै चढ्न समेत फाँसी ।

५) संकेत अनुसार वाक्य बदल्नुहोस् :-

४

क) तिमी पदयात्रामा जान्छौं । (स्त्रीलिङ्ग)

क) जो मान्छे आउछ, त्यो जान्छ । (बहुवचन)

क) म त खाना नखाने ल ! (द्वितीय पुरुष)

क) सुनिता इलामको चियाबारी घुम्न गइन् । (उच्च आदर)

नमूना प्रश्न

कक्षा : आठ पूर्णाङ्क : ८०

विषय : नेपाली (सेट - क)

उत्तीर्णाङ्क : ४०

- १) सिङ्गो शब्द र अर्थको जोडा मिलाउनुहोस् : ३
- | | |
|----------|------------|
| लता | गरिमा |
| कचौरा | लहरो |
| निर्माता | बटुको |
| सजीव | जिउँदो |
| ज्यामी | मजदुर |
| मूल्य | बनाउने |
| | अहिले |
| | हौंसलादिने |
- २) कोष्ठकमा दिइएको उपयुक्त शब्द छानेर खाली ठाउँ भर्नुहोस् :- ३
- क) हावाको पर्यायवाची शब्द हो । (वायु, समीर, अमिर)
- ख) जनावरको समावेश्य शब्द हो । (गाई, सर्प, चरा)
- ग) स्वतन्त्रको विपरित शब्द हो । (परतन्त्र, मुक्त, बन्धन)
- घ) इच्छाको शब्दको अर्थ हो । (चाहना, उत्सुक, प्रेरणा)
- ङ) अनेकार्थी शब्द हो । (फल, फलाहार, नतिजा)
- च) सुगम शब्दको विपरीतार्थी शब्द (पर, वर, दूर्गम)
- ३) तल दिइएका शब्दको अर्थ खुल्नेगरी वाक्यमा प्रयोग गर्नुहोस् :- ४
- पुर्खा, आजीवन, टाप कस्न, पो ।
- ४) क) तलका वाक्यलाई शुद्ध पारी सार्नुहोस् :- २
- न्येपाल भौगोलिक दृष्टिले निकड सम्पन्न छ ।
- ख) तल दिइएको समूहबाट शुद्ध शब्द छानेर लेख्नुहोस् :- २
- अ) आदरनीय, आदणिय, आदरणीय, आदरणिय
- आ) अभिषाप, अभिशाप, अभीशाप, अभिसाप
- इ) अतिथी, अतीथी, अटिथि, अतिथि
- ई) साँघुरो, साघुरो, साङ्घुरो, शाँघुरो
- ५) रेखाङ्कित शब्दको शब्दवर्ग छुट्याउनुहोस् :- ३ ३
- उनीतआजै बजारतिर गइन् र मेला हेरेर घरतिर फर्किन् ।
- ६) कोष्ठकमा दिइएका धातु र सङ्केतका आधारमा खाली ठाउँ भर्नुहोस् :- ३
- क) तिमी विद्यालय । (जा अपूर्ण वर्तमान)
- ख) नेपालमा नयाँ संविधान । (बन्, सामान्य भूत)
- ग) राम घर । (आउ, सम्भावनार्थक)
- घ) तिमी फुटबल । (खेल आज्ञार्थ)
- ङ) राम घर गयो । (अपूर्ण भूत)
- च) उसले भाइलाई कथा (सुनाउ : पूर्ण वर्तमान)
- ७) कोष्ठकका आधारमा वाक्य परिवर्तन गर्नुहोस्: ३
- क) तिमी पोखरा जान्छौ । (बहुवचन)
- ख) ऊ विराटनगर जान्छ । (प्रथम पुरुष)
- ग) म पोखरा घुम्न गए । (अकरण)
- घ) तैले के खाईस् ? (सामान्य आदर)
- ङ) कवयित्रीले कविता लेखिन् । (पुलिङ्ग)
- च) ऊ देशका लागि..... । (लङ् : इच्छार्थ)
- ८) सामान्य भूतकाल प्रयोग गरी कुनै घटनाको बारेमा चारवाक्यको एक अनुच्छेद लेख्नुहोस् । ५
- ९) तल दिइएको अनुच्छेद पढी सोधिएका प्रश्नहरूको सङ्क्षिप्त उत्तर लेख्नुहोस्:- ५ ५
- मानिस पृथ्वीमा भएका प्राणीहरू मध्य सर्वश्रेष्ठ चेतनशील प्राणी हो । मानिसले आफ्नो बुद्धि र विवेकले काम गर्छ । मानिसले आफ्नो सुविधाका लागि प्राकृतिक स्रोतको उपयोग गर्छ । प्राकृतिक स्रोतको

उपयोग गर्दा विवेक पुऱ्याउनुपर्छ । मानिसका अविवेकी क्रियाकलापले प्राकृतिक स्रोतमा विकृति आउछ । प्राकृतिक वातावरण विकृत भयो भने विसङ्गति देखापर्छ । हामीले भूक्षय, बाढी, पहिरो, अतिवृष्टि, अनावृष्टि जस्ता समस्या भोग्नुपर्छ । रुखविरुवा मासिन्छन् । जीवहरूको जीवन सङ्कटग्रस्त हुन्छ । प्राकृतिक सौन्दर्य नासिन्छ । खाद्यान्न, तरकारी र फलफूलको उत्पादन कम हुन्छ । मौसममा परिवर्तन आउँछ । बालीनालीको उत्पादन समय परिवर्तन हुन्छ । नदीहरू सुक्न थाल्छन् । हिमालहरू पगलन थाल्छन् । यसको प्रतिफल मानिस स्वयम् सङ्कटमा पर्छ । यसर्थ वातावरण प्रतिकुल हुन नदिन र प्रकृति स्वच्छ राख्न मानिसले नै प्रयत्न गर्नुपर्छ बुद्धि र विवेकको राम्रो प्रयोग गरि काम गर्नु पर्छ ।

- क) मानिस कस्तो प्राणी हो ?
- ख) कस्ता क्रियाकलापले प्राकृतिक स्रोतमा विकृति आउछ ?
- ग) वातावरण प्रतिकुल हुन नदिन के के गर्नुपर्छ ?
- घ) 'भूक्षय' भनेको के हो ?
- ङ) यस अनुच्छेदको उपयुक्त शीर्षक दिनुहोस् ?
- १०) आफ्नो पढाइको बारेमा वर्णन गर्दै साथीलाई चिठी लेख्नुहोस् । ५
- ११) सप्रसङ्ग व्याख्या गर्नुहोस् :- ५
सारङ्गीका स्वरहरू सङ्गीत फेर्ने गर
आफू हेर्ने आँखाहरू देश हेर्ने गर ।
- १२) तल दिइएका प्रश्नहरूको सङ्क्षिप्त उत्तर लेख्नुहोस् :- १२ १२
क) पूर्वाहरूले यो देशमा जागरण ल्याउन के के गरेका थिए?
ख) अश्वस्थामाको दुधखाने रहर कसरी पूरा भयो ?
ग) देवकुमारी थापालाई किन प्रेरणाकी मुहान भनिन्छ ?
- १३) हाम्रो भाग्य अरुलाई लेख्न दिनु हुँदैन भन्ने पुन्टेका बाबुको भनाइ प्रति तपाईं कसरी सहमत हुनुहुन्छ तर्क दिनुहोस् । ५
- १४) साहित्यकार देवकुमारी थापाले बालसाहित्यमा पुऱ्याएको योगदानको चर्चा गर्दै विवेचनात्मक उत्तर लेख्नुहोस् । ८
- १५) 'मेरो कर्तव्य' शीर्षकमा १५० शब्दमा नघटाई निबन्ध लेख्नुहोस् । ८

ENGLISH

CONTRIBUTOR

HIRA DEVI LAMA

Syllabus

First Term

S. N.	Areas	Contents	General objectives	Periods
	Reading	<p>A memorable journey from Terai to hill (Travelogue)</p> <p>A visit to Godawari (An expedition)</p> <p>An interview with a local business person (Business and commerce)</p> <p>Ganesh Man Singh: The iron man (Biography)</p> <p>Holi (Festival)</p> <p>A computer and its parts (Technology)</p>	<p>Read the given texts and answer comprehensive questions.</p> <p>Enrich vocabulary.</p> <p>Develop comprehension.</p>	18
	Writing	<p>Personal letter writing</p> <p>Writing a leaflet/ visitor's guide</p> <p>Journal writing</p> <p>CV writing</p> <p>Biography writing</p> <p>Paragraph writing by describing place, people, things etc.</p>	<p>Identify the basic components of informal letter and write the letters maintaining those components (date, salutation, address, body of the letter with subscription and signature)</p> <p>Prepare/ write sample leaflets: visitors' guide</p> <p>Write reflective journals (in order to develop their diary writing habit)</p> <p>Prepare/write their own CVs in appropriate format</p> <p>Interview a person who has contributed remarkably in the society and write his/her biography.</p> <p>Describe people, things and places with their looks, appearance, features etc.</p>	12
	Listening/ speaking	<p>Asking for information</p> <p>Asking for direction/ giving direction</p> <p>Requesting</p> <p>Describing a person</p> <p>Suggesting and advising</p>	<p>Make queries about places, people and things and respond them.</p> <p>Ask for directions in various ways and respond them politely/formally.</p>	7

		<p>Getting things done</p> <p>Listen various audio materials</p>	<p>Make requests to teachers, friends and strangers making use of formal and polite language.</p> <p>Describe people considering their accents, looks, and other features. Ask for the suggestions and advices and suggest/ advice each other.</p> <p>Making requests/orders.</p> <p>Listen various audio materials and answer comprehensive questions.</p>	
	Grammar	<p>Articles</p> <p>Modals</p> <p>Present tense</p> <p>Relative clause</p> <p>Prepositions</p> <p>Causative verbs</p>	<p>Use article a, an & the appropriately.</p> <p>Use modals for various purposes contextually.</p> <p>Use all four aspects of present tense sensibly to talk about the happenings, habitual actions, universal truth and scientific facts etc.</p> <p>Connect two or more than two phrases / sentences by using appropriate relative clause.</p> <p>Use various prepositions contextually.</p> <p>Make appropriate use of causative verbs.</p>	15

Second Term

S. N.	Areas	Contents	General objectives	Periods
	Reading	The first man on the moon (Journalism) Junk food should be banned (Dangers of junk food) The foolish sage and the jackal (Moral stories) Good Habits (Habits and Behaviours) Games and Sports (Games and sports) Dadeldhura District (District profile)	Read the given texts and answer comprehensive questions Enrich vocabulary Develop comprehension.	18-20
	Writing	Condolence writing News report/article writing Story writing Essay writing Writing about hobbies Preparing/writing district profiles.	Look at the sample condolences and write similar ones. Write newspaper articles/reports Write stories on the basis of given outlines with suitable titles. Compose essays on various topics being based on the guidelines. Write about hobbies in the form of paragraphs. Prepare/write district profiles including all the information.	15-18
	Listening/ speaking	Debate competition Reporting Expressing conditions. Comparison Expressing degree of probability Expressing likes and dislikes. Giving reasons	Present one's ideas without humiliating others. Report each other's speech. Talk about the conditions and their consequences/results using conditionals. Compare people, things, places etc. Talk about the possibilities of various events or things using various models. Talk about their likes and dislikes. Share the reasons of various happenings appropriately.	8-10

	Grammar	<p>Reported speech</p> <p>Conditional sentences Past tense</p> <p>Probability modals Subject-verb agreement Connectives</p>	<p>Change the speeches. (direct into indirect and indirect into direct) Use all four forms of conditionals appropriately. Use past tense and its aspects to talk about the activities that took place in the past time.</p> <p>Use probability models to talk about the degree of possibilities.</p> <p>Produce grammatically correct sentences.</p> <p>Use conjunctions appropriately in the contexts.</p>	15
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Final Term/ Third Term

S. N.	Areas	Contents	General objectives	Periods
	Reading	Who makes a difference? Childhood memories) Bar chart, pie chart and graphs Lincoln's letter A beggar's dream (Fairy tale) Bank account opening forms (Forms and cheques) Finding words in a dictionary (Dictionary use)	Read the given texts and answer comprehensive questions Enrich vocabulary Develop comprehension.	18-20
	Writing	Writing about habitual past Interpreting graphs and charts Story writing (Revising) Filling up forms Writing instructions	Write about their habitual actions of past using "Used to +verb" Interpret graphs and charts using appropriate language. Write stories on the basis of given guidelines or develop stories out of given outlines. Fill up forms and cheques correctly. Write procedural instructions for performing various tasks.	16
	Listening/ speaking	Talking about past habits Expressing abilities Persuading Predicting Giving and following instructions	Share about their habitual past. Express abilities and disabilities using model verbs. Convenience others with their ideas in various ways. Make predictions or write horoscopes. Listen others carefully/follow instructions and give instructions.	8
	Grammar	Habitual past "used to" Expressing abilities Voice Reflexive pronouns Imperatives	Use "Used to+ verb" to talk about habitual actions in the past. Express abilities using appropriate modals. Identify the voices and transform them. Use reflexive pronouns appropriately in the context. Identify imperatives and use them correctly.	14

S. N.	Content	Question type	No. of questions	Weightage	Remarks
	Seen passage	Comprehension check -Antonyms/ synonyms -Short question answer -True/False -Matching -Multiple choice -Ordering -Fill in the gaps	2x10=20	20	
	Unseen passage	Comprehension check questions -Antonyms/ synonyms -Short question answer -True/False -Matching -Multiple choice -Ordering -Fill in the gaps	2x10=20	20	
	Grammar	-Choose the correct alternatives. (Articles, Models, Present tense, relative clause, preposition, causative verbs) -Transform the sentences as indicated in the brackets. -Fill in the blanks	5x1=5 3x1=3 2x1=2	5 3 2	
	Content writing	-Personal letter writing - Essay writing -Leaflet writing -Daily Journal writing -CV writing -Paragraph writing	15x1=15 5x2=10		Any one of long questions that carries 15 marks. Any two questions that carry 10 marks. (5x2=10)

Specification Grid for Unit Test

Contents	Weightage
Fill in the blanks (Grammar) -articles -models -present tense	5x1=5
A paragraph -short answer-question -fill in the blanks -synonyms/antonyms -true/false Note: any two of them.	3x3=3 (QNA) 2x1=2 (any one objective item)
Creative writing Leaflet Travelogue Daily journal	5x1=5 (any one)
Paragraph writing	5

First term

S. N.	Areas	Contents	General objectives	Periods
	Reading	A memorable journey from Terai to hill (Travelogue) A visit to Godawari (An expedition) An interview with a local business person (Business and commerce) Ganesh Man Singh: The iron man (Biography) Holi (Festival) A computer and its parts (Technology)	Read the given texts and answer comprehensive questions. Enrich vocabulary. Develop comprehension.	18
	Writing	Personal letter writing Writing a leaflet/ visitor's guide Journal writing CV writing Biography writing Paragraph writing by describing place, people, things etc.	Identify the basic components of informal letter and write the letters maintaining those components (date, salutation, address, body of the letter with subscription and signature) Prepare/ write sample leaflets: visitors' guide Write reflective journals (in order to develop their diary writing habit) Prepare/write their own CVs in appropriate format	12

			<p>Interview a person who has contributed remarkably in the society and write his/her biography.</p> <p>Describe people, things and places with their looks, appearance, features etc.</p>	
	Listening/ speaking	<p>Asking for information Asking for direction/ giving direction Requesting</p> <p>Describing a person Suggesting and advising Getting things done Listen various audio materials</p>	<p>Make queries about places, people and things and respond them. Ask for directions in various ways and respond them politely/formally.</p> <p>Make requests to teachers, friends and strangers making use of formal and polite language. Describe people considering their accents, looks, and other features. Ask for the suggestions and advices and suggest/ advice each other.</p> <p>Making requests/orders.</p> <p>Listen various audio materials and answer comprehensive questions.</p>	7
	Grammar	<p>Articles</p> <p>Modals</p> <p>Present tense</p> <p>Relative clause</p> <p>Prepositions Causative verbs</p>	<p>Use article a, an & the appropriately.</p> <p>Use models for various purposes contextually.</p> <p>Use all four aspects of present tense sensibly to talk about the happenings, habitual actions, universal truth and scientific facts etc.</p> <p>Connect two or more than two phrases / sentences by using appropriate relative clause.</p> <p>Use various prepositions contextually. Make appropriate use of causative verbs.</p>	15

Second Term

S. N.	Areas	Contents	General objectives	Periods
	Reading	The first man on the moon (Journalism) Junk food should be banned (Dangers of junk food) The foolish sage and the jackal (Moral stories) Good Habits (Habits and Behaviours) Games and Sports (Games and sports) Dadeldhura District (District profile)	Read the given texts and answer comprehensive questions Enrich vocabulary Develop comprehension.	18-20
	Writing	Condolence writing News report/article writing Story writing Essay writing Writing about hobbies Preparing/writing district profiles.	Look at the sample condolences and write similar ones. Write newspaper articles/reports Write stories on the basis of given outlines with suitable titles. Compose essays on various topics being based on the guidelines. Write about hobbies in the form of paragraphs. Prepare/write district profiles including all the information.	15-18
	Listening/ speaking	Debate competition Reporting Expressing conditions. Comparison Expressing degree of probability Expressing likes and dislikes. Giving reasons	Present one's ideas without humiliating others. Report each other's speech. Talk about the conditions and their consequences/results using conditionals. Compare people, things, places etc. Talk about the possibilities of various events or things using various models. Talk about their likes and dislikes. Share the reasons of various happenings appropriately.	8-10
	Grammar	Reported speech Conditional sentences Past tense Probability modals	Change the speeches. (direct into indirect and indirect into direct) Use all four forms of conditionals appropriately. Use past tense and its aspects to talk about the activities that took place in the past time.	15

		Subject-verb agreement Connectives	Use probability models to talk about the degree of possibilities. Produce grammatically correct sentences. Use conjunctions appropriately in the contexts.	
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Final Term/ Third Term

S. N.	Areas	Contents	General objectives	Periods
	Reading	Who makes a difference? Childhood memories) Bar chart, pie chart and graphs Lincoln's letter A beggar's dream (Fairy tale) Bank account opening forms (Forms and cheques) Finding words in a dictionary (Dictionary use)	Read the given texts and answer comprehensive questions Enrich vocabulary Develop comprehension.	18-20
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	Listening/ speaking	Talking about past habits Expressing abilities Persuading Predicting Giving and following instructions	Share about their habitual past. Express abilities and disabilities using model verbs. Convenience others with their ideas in various ways. Make predictions or write horoscopes. Listen others carefully/follow instructions and give instructions.	8
	Grammar	Habitual past "used to" Expressing abilities Voice Reflexive pronouns Imperatives	Use "Used to+ verb" to talk about habitual actions in the past. Express abilities using appropriate modals. Identify the voices and	14

			<p>transform them. Use reflexive pronouns appropriately in the context. Identify imperatives and use them correctly.</p>	
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MODEL QUESTIONS FOR FIRST UT

1. Rewrite the following sentences by using appropriate alternative. 5×1=5
 - a. Ramdoing his Work now. (Is, are, was)
 - b. I amtallest girl in the class. (a, an, the)
 - c. You visit your parents once a week. (have to, should, must)
 - d. She teaches inuniversity. (a, an, the)
 - e. Wefollow school rules. (should, must, ought to)
2. Read the passage carefully and do the activities that follows. (5)

My dream was to be a good singer since my childhood but I was never allowed to run behind my dream. **Today, I am a good engineer but I am not happy. My parents said that they were happy with my performance in school and college but they never cared whether I was happy with their decisions for me or not. I stood first in debate competition, they became the happiest. I stood first in singing, I was the happiest but they didn't care. I preferred reading novels and writing poems in my school but my parents didn't. I dressed as my parents wanted. I read the books that my parents had chosen for me. I followed the aim fixed by my parents.** People say that the children should not hurt their parents with their decisions, and I did the same; never made any decision that would make me happy.

 - A. Find out the antonyms from the above given passage for the following words. (2×1=2)
 - a. Different
 - b. Old age
 - B. Answer the given questions. (3×1=3)
 - a. What would make the narrator happiest?
 - b. What do people say?
 - c. What did the narrator follow?
3. Prepare a visitor's guide to Kathmandu, or,
Prepare your CV. (5)
4. Write a paragraph about the main festival celebrated in your community. (5)
- 5.

Model question for First Terminal

GRADE: EIGHT

FULL MARKS: 75

SUBJECT : ENGLISH

Time: 2:45min

PASS MARKS:37.5

1. Rewrite the following sentences selecting the correct options:- 5×1=5
 - a. Iby jet several times. (have travelled, watched, travel, was watching)
 - b. He.....watching movie when I arrived. (is, am, are, was)
 - c. I ...not return your book yesterday. (can, could, may, might)
 - d. She is sharpening her pencil...a sharpener.(with, by, in, from)
 - e. The book is.....the table. (at, from, into, on)
2. Change the following sentences as directed in the brackets: - 3×1=3
 - a. Students said to the teacher, "Wewant to participate in the quiz contest." (Indirect speech)
 - b. They always go to school. (Negative)
 - c. I did not visit dentist yesterday. (positive)
3. Fill in the blanks with correct words from the box. 2×1=2

[Must, should, ought to, have to]

 - a. Miravisit the patients in the hospital once a day.
 - b. Emaafollow school rules.
4. Read the following text and do the activities that follow:- 10

6 died, 3 injured in parbat jeep crash

July 14 (RSS), six people died and three others were injured when a passenger jeep fell some 400 meters down the road at saligram VDC-2 in parbat district on Tuesday night. Area police office, Hawas said Basundhara Bhattarai 68, Man Bahadur Basyal 64, Dilli Ram Bhusal 56, Yam Bahadur Thapa 64, his daughter Jit Kumari 18 and Bhakti Ram Rana 76, died in the accident. All the victims were residents of Uram Pokhara. The injured returned home after receiving treatment at a local health centre. The vehicle (GA 1 ja 4679), which was heading to Uram Pokhara in Parbat from Syangja, crashed at around 9:30 pm. Police suspect that the jeep veered off the road as the driver lost the control of it on the steep road. Security personal reached the accident site at around 1:10 am Wednesday morning after the local people informed them of accident.

- A. Fill in the gaps with the best alternatives: (4x0.5=2)
- (i) There were..... Passengers in the jeep.
a. Six b. three c. nine d. ten
- (ii) The oldest person who died was.....
a. Bashundhara Bhattarai b. Bhakta Ram Rana c. Jit Kumari d. Jyoti
- (iii) The jeep was going from.....
a. Syangja to parbat b. parbat to Syangja c. Syangja to saligram
- (iv) The number of vehicle was.....
a. 400 b. VDC-2 c. GA ja 4697 d. Ga 1 ja 4679
- B. Write 'T' for true and 'F' for false statements. (4x0.5=2)
- a. The spot of accident is Shaligram VDC-2.
b. Three people died and six people were injured.
c. The driver informed the police about the accident.
d. The police died and six people were injured.
- C. Answer the following questions. (1.5x4=6)
- a. Where did the accident take place?
b. Who reported about the dead people and their age?
c. Where the injured people were medically treated?
d. What could be the cause of accident according to police?

5. Read the given text carefully and complete the activities that follow:- 10

Many years ago there lived a brave king in a beautiful country. He was well known. His country was famous and developed. He was highly liked by his people. He loved his people very much. The other kings of the neighbouring countries felt jealous of his improvement and fame. Unfortunately, they attacked him one day. He was defeated. He lost his country. In order to get his kingdom back, he tried five times but each time the enemies became victorious. He was fed up with wars and went to a cave himself. One day he saw a spider climbing up wall of the cave. It failed six times. At the seventh attempt it climbed up and got to its destination. The king learnt a lesson that patient and courage lead one to success. He collected his courage adequately and decided to attack the enemies. At last, he got victory over them because of his ample courage. Thus the king was able to regain his kingdom that he had lost in the battle.

- A. Rewrite the following sentences choosing the correct words from the given alternatives. (4x0.5=2)
- a. The other kings felt.....of his improvement.
i) Proud ii) envious iii) guilty
- b. One day other kingshim.
i) Invaded ii) helped iii) ordered
- c. He collected his courage

- i) Hardly ii) inadequately iii) sufficiently
- d. He got victory because of hiscourage.
- i) Great ii) cramped iii) confined
- B. Fill in the blanks with the words from the passage. (4x0.5=2)
- i) Once there was a king who was.....
- ii) The king was very tired and went.....
- iii) At last the spider got to its
- iv) The king was able tohis kingdom.
- C. Answer the following questions: (3x2=6)
- i) Why did the people like the king?
- ii) Why did the king go to cave?
- iii) Who taught the king a lesson?

6. Read the given poem and do the activities given below. 10

Changing world

When I was a young man,
 I wanted to change the world.
 I found it was difficult to change the world,
 So I tried to change the nation.
 When I found I couldn't change the nation,
 I began to focus on my own town.
 I couldn't change the town.
 And as an older man, I tried to change my family.
 Now, as an old man, I realized the only thing
 I can change is myself.
 And suddenly I realized,
 That if long ago I had changed myself,
 I could have made an impact on my own family
 My family and I could have made an impact on our
 town.
 Their impact could have changed the nation.
 And I could, indeed, have changed the world.

- A. Find the words from the above text that are similar in the meaning to the following:
 4x0.5=2
- Transform
 - Felt
 - Emphasis
 - Country
- B. Write 'T' for true and 'F' for false statement. 4x0.5=2
- The narrator tried to change himself when he was very young.
 - The poet found that changing the world was difficult.
 - The change in family could create impact on change of town.
 - The poet realized that he could have changed himself.
- C. Answer the following questions. 4x1.5=6
- What did the poet try to change when he was young?
 - What was the result when the poet tried to change the family?
 - What did he realize as an old man?
 - What can we do change the world?
7. Read the given text and do the activities that follow: (10)
- The origin of many customs is hard to trace, but this one has a defined beginning, and it reads like a fairy tale. Many years ago, a beautiful girl in Holland wanted to marry a miller. He did

not have much money, but he was loved by everyone because he used to give his flour and bread to the poor. The father of the girl objected the marriage and said that he would not give his daughter her dowry if she married to the miller. The people whom the miller had befriended heard about this and decided to do something. None of them had much money, but thought that if each one contributed some gift, the beautiful girl and poor miller could marry after all.

So, they got together and went to the girl's house with some gifts. Some brought utensils for the kitchen, and other brought useful articles for the house such as linen and lamps. They showered her with gifts, and she was able to marry the man she loved after all.

A. Answer the following questions. (5x1=5)

- a) How did the miller help others?
- b) Who wanted to marry a miller?
- c) What would the girl's father do if the girl married the miller?
- d) What did the miller's friends decide to do?
- e) Name a few objects they had brought as gift.

B. Put the following sentences in correct orders: (5x1=5)

- I. They all together went to the girl's house with some gifts.
- II. The father of the girl objected the marriage.
- III. The origin of many custom is hard to trace.
- IV. A beautiful girl in Holland wanted to marry the miller. The miller did not have money but he was loved by many.
- V. They showered her with gifts.

8. Write a newspaper condolence On the basis of given clues. (5)
Bibek Tharu....24 years old.....sociable and helpful.....a national cricket player.....killed in car accident on November 3rd2017.

9. Coplete the following dialogue chosing the suitable expression given in the box below. (5)

Customer:

Shopkeeper: Yes Madam.....

Customer: Yes, I bought this watch here last week and.....

Shopkeeper: Oh, sorry to hear this.....

Customer: Yes, I have. Here it is.

Shopkeeper: Good. Thank you.....

Customer: Thank you very much.

- | |
|---|
| <ol style="list-style-type: none">a. Can I help you?b. Have you got your receipt?c. I will get another one for you.d. Excuse mee. The strap has already broken. |
|---|

10. Write a readable story with the help of these guidelines: (15)

Once.....a boy.....falls into a bag company.....his mother asks him to leave the company.....doesn't obey.....mother thinks of a plan.....gives good apples.....also a rotten apple.....set together in a basketafter some day.....all the apples found rotten.....the boy improve himself.....moral.

Or,

Write an essay in about 150 words on "Importance of Games and Sports in Students Life"

Computer

Contributor

Kiran Lamichhane

Syllabus

S.N	Teaching Content (Unit Wise)	Learning Objectives
1	History of computer	Upon completing this chapter, student will be able to: <ol style="list-style-type: none"> 1. Identify and place in proper sequence five of the major inventions in the history of computing. 2. Discuss succinctly the contributions of each of the following individuals to the field of computing: Charles Babbage Herman Hollerith Howard Aiken John Atanasoff John Mauchly and J. Presper Eckert and John Von Neumann 3. Differentiate among the generations of computers according to their technological advances and 4. Be able to list three ways the computer has changed education.
2	Types of Computers	Upon completing this chapter, student will be able to: <ol style="list-style-type: none"> 1. Define a computer. 2. Identify how computers are used in our daily lives. 3. Compare and classify types of computers.
3	Computer Software	Upon completing this chapter, student will be able to: <ol style="list-style-type: none"> 1. Distinguish between Operating Systems software and Application Systems software. 2. Describe commonly used operating systems. 3. Identify the primary functions of an Operating System. 4. Describe the “boot” process. 5. Identify Desktop and Windows features. 6. Use Utility programs.
4	Number System	Upon completing this chapter, student will be able to: <ol style="list-style-type: none"> 1. Recognize different types of number systems as they relate to computers. 2. conversion binary to decimal and vice versa. 3. Binary addition, subtraction, multiplication and division.
5	Introduction to Computer Network	Upon completing this chapter, student will be able to: <ol style="list-style-type: none"> 1. Be familiar with various types of computer networks. 2. Explain about the network topologies. 3. Answer its advantages and disadvantages.
6	Computer Virus	Upon completing this chapter, student will be able to: <ol style="list-style-type: none"> 1. To discuss the different types of computer viruses and how to protect a computer. 2. To assess the consequences associated with computer worms and viruses.
7	Multimedia	Upon completing this chapter, student will be able to: <ol style="list-style-type: none"> 1. Define multimedia and explain the elements of multimedia. 2. Use various hardware tools in creating and displaying multimedia resources. 3. Demonstrate the use of animation, digitized sound, video control, and scanned images. 4. Explain the advantages and disadvantages of multimedia.
8	ICT (usages of ICT and Computer Ethics)	Upon completing this chapter, student will be able to: <ol style="list-style-type: none"> 1. Define ICT, computer ethics and 10 commandments of computer ethics.
9	Operating System	Upon completing this chapter, student will be able to:

		<p>systems.</p> <p>2. The User Interface: Task Bar, Icons, Start Menu, Running an Application.</p> <p>3. Explain file size (bytes, kilo, mega, giga,tera) and abbreviations used, Create a Folder, Move a file (multiple files)into a folder, Delete files and folders, Recovering deleted files, Renaming files, Searching for files, Creating and deleting shortcuts on desktop, How programs may save files in specific location by default.</p> <p>4. How to find where file is being saved and exploring the desktop, cleaning the desktop.</p>
10	Introduction to word processor	<p>Upon completing this chapter, student will be able to:</p> <p>1. Define word processor and its features.</p> <p>2. <u>Word Processing Basics</u>: Opening Word Processing Package, Menu Bar, Using The Help, using the icons below menu bar</p> <p><u>Opening and closing Documents</u>: Opening Documents, Save and Save as, Page Setup, Print</p> <p>Preview, Printing of Documents</p> <p><u>Text Creation and manipulation</u>: Document Creation, Editing Text, Text Selection, Cut, Copy and Paste, Spell check, Thesaurus</p> <p><u>Formatting the Text</u>: Font and Size selection, Alignment of Text, Paragraph Indenting, Bullets and Numbering, Changing case</p> <p><u>Formatting a document</u>: Set page margin, paragraphs and sections within a document, Adjust indents</p> <p><u>Table Manipulation</u>: Draw Table, Changing cell width and height, Alignment of Text in cell, Delete/ Insertion of row and column Border and shading, Table Formula</p> <p><u>Inserting Graphic Elements</u>: Insert a clip art picture, insert symbols and special characters, adding a watermark; Using word art; adding a drop cap</p>
11	Introduction to presentation software	<p>Upon completing this chapter, student will be able to:</p> <p>1. Define presentation software and its features.</p> <p><u>Basic Concepts of presentation</u>: Using PowerPoint, Opening A Power Point Presentation, Saving A Presentation</p> <p><u>Creation of Presentation</u>: Creating a Presentation Using a Template, Creating a Blank Presentation, Entering and Editing Text, Inserting And Deleting Slides in a Presentation</p> <p><u>Preparation of Slides</u>: Inserting Word Table or An Excel Worksheet, Adding Clip Art Pictures, Inserting Other Objects, Resizing and Scaling an Object</p> <p><u>Presentation of Slides</u>: Viewing A Presentation, Choosing a Set Up for Presentation, Printing Slides</p> <p><u>Slide Show</u>: Running a Slide Show, Transition and Slide Timings, Automating a Slide Show</p>
12	Introduction to spreadsheet software	<p>Upon completing this chapter, student will be able to:</p> <p>1. Define spreadsheet software and its features.</p> <p>2. <u>Elements of Electronic Spread Sheet</u>: Opening of Spread Sheet, Addressing of Cells, Printing of Spread Sheet, Saving Workbooks</p> <p><u>Manipulation of Cells</u>: Entering Text, Number Editing Worksheet Data, Inserting and Deleting Rows, Column, Changing Cell Height and Width</p> <p><u>Formulas and Function</u>: Using Formulas, Function, basic mathematical operators, using AutoSum etc. using formulas with multiple cell references, finding the right function, relative and absolute cell references, fixing formula errors; Charts: learning</p>

		about charts, creating charts; Working with graphics; Clip Art
13	Concept of computer graphics	<p>Upon completing this chapter, student will be able to:</p> <ol style="list-style-type: none"> 1. Define Photoshop and its uses. 1. Identify the major regions of the Photoshop workspace and explain the function of each: Menu bar and context menus, Options bar, Toolbox, palettes, and document windows 2. Manipulate and customize palettes 3. Use Undo commands and the History palette to reverse document changes.
14	Concept of programming techniques	<p>Upon completing this chapter, student will be able to:</p> <ol style="list-style-type: none"> 1. Define algorithm and flowchart 2. Flowcharts symbol
15	Introduction to QBASIC programming	<p>Upon completing this chapter, student will be able to:</p> <ol style="list-style-type: none"> 1. Define QBASIC, elements of QBASIC programming 2. CLS statement, REM statement, let statement, IF then statement
16	HTML	<p>Upon completing this chapter, student will be able to:</p> <ol style="list-style-type: none"> 1. Create a webpage using HTML tag. 2. Define HTML , web browser, webpage, home page, HTTP, URL and Concept of Internet, Applications of Internet 3. Overview of use of search engines and e-mail

Specification Grid

Term	Table of Content	Periods	Total Units
For 1 st Unit Test	1. HTML	15	2
	2. Number System	6	
For 1 st Term	1. Evolution of Computer Technology	12	3
	2. Types of Computers	10	
	3. Computer Software	7	
For 2 nd Unit Test	1. Computer Network and the Internet	9	2
	2. Introduction to Computer Viruses	9	
For 2 nd Term	1. Multimedia Technology Overview	7	3
	2. ICT	14	
	3. Introduction to Operating System	12	
For 3 rd Unit Test	1. Introduction to Word Processor	15	3
	2. Introduction to Presentation Software	5	
	3. Introduction to Spreadsheet	10	
For Final Term	1. Concept of Computer Graphics	7	3
	2. Concept of Programming Techniques	10	
	3. Introduction to QBASIC Programming	15	

Unit Test Model Question

- A. Convert as instructed:- 2x1=2
1. $(208)_{10}$ into Binary 2. $(11101)_2$ into Decimal
- B. Choose the best answer:- 5x1=5
1. Who was the primary author of HTML?
- i. Blaise Pascal ii. Charles Babbage
iii. Tim Berners-Lee iv. Steve Wozniak
2. The extension of HTML document is:
- i. .html ii. .htl
iii. .htnl iv. .hml
3. How many heading tags are there in HTML?
- i. 4 ii. 5 iii. 6
iv. 7
4. Which attribute can be used with body tag to set background color blue?
- i. `<background="blue">` ii. `<bcolor="blue">`
iii. `<bgcolour="blue">` iv. none of above
5. What is the correct HTML tag for inserting a line break?
- i. `<lb>` ii. `<break>`
iii. `
` iv. `<newline>`
- C. Write the HTML tag for the following: 3x1=3
1. Scroll your name
2. $a^2 + b^2$
3. Insert image

Note : 10 marks are allotted for practical.

“Good Luck”

Term Model Question

Answer the following questions: -

5x2=10

1. What is super computer? Where it is used?
2. What is multimedia? Explain any two components of multimedia.
3. Write the preventive measures to protect computer from viruses.
4. What is software? Write about utility software.
5. What is cyber crime? Write the types of cyber crime.

B. Choose the best answer:-5x1=5

1. is a type of software that manages and controls the overall operation of computer.
 - i. word processing
 - ii. operating system
 - iii. excel
 - iv. photoshop
2. should be used to avoid accessing by unauthorized users.
 - i. password
 - ii. UPS
 - iii. antivirus
 - iv. None of above
3. When computer is turned off, the contents of RAM get erased.....
 - i. saved
 - ii. printed
 - iii. erased
 - iv. None of above
4. Which is valid statement?
 - i. 1 kb = 1024 bytes
 - ii. 1 mb = 1024 bytes
 - iii. 1 kb = 1000bytes
 - iv. 1 mb = 1000 bytes
5. The binary number 1111 0001 1100 0111bytes:
 - i. 1
 - ii. 2
 - iii. 4
 - iv. 8

C. State whether the following statements are true or false: 4x0.5=2

1. PDP- 1 was the first computer in Digital Equipment Corporation's.
2. EDSAC is the first stored program electronic computer.
3. UNIVAC was the second commercial computer.
4. The Mark – I was officially known as the IBM Automatic Sequence Controlled Calculator (ASCC).

D. Match the following:-

4x0.5=2

Group 'A'

Group 'B'

- | | |
|--|-----------------------|
| 1) john Vincent atanasoff and Clifford berry | i) ENIAC |
| 2) Charles babbage | ii) EDSAC |
| 3) John Eckert and John Mauchly | iii) Stepped Reckoner |
| 4) Professor Maurice Wilkes | iv) Analytical engine |
| | v) ABC |

E. Write the technical terms of the following:-4x0.5=2

1. ICT is not used in E-banking.
2. The processing speed of first generation computer was.
3. A computer does not suffer from the human problems of tiredness and lack of concentration. This is related to which of the following characteristic.
4. A hub provides physical connections between all computers.

F. Write the full form of :-4x0.5=2

- | | |
|---------|---------|
| i) MAN | ii) RAM |
| iii) CU | iv) AI |

G. Convert as indicated:-

2x1=2

- i) $(11010)_2$ into decimal
- ii. $(158)_{10}$ into binary

H. Perform the binary calculation:-2x1=2

- i) $1101001 - 11101 + 10101$
 - ii. 1110×11
- (Group 'B')**

HTML

A. Answer the following questions:-

3x2=6

1. Write about URL and WWW.
2. What is web browser? Give some example of web browser.
3. How is image inserted in HTML document?

B. Select the correct answer:-

6x1=6

1.tag is used to make a text bold.
 - i.
 - ii.
 - iii. <DL>
 - iv. none of the above
2. Which format of image files can be inserted in HTML?
 - i. .DOC
 - ii. .GIF
 - iii. .PSD
 - iv. all of these
3.tag is used to break the line.
 - i.
 - ii.

 - iii. <BL>
 - iv. none of the above
4.is software that is used to see the information in the web.
 - i. browser
 - ii. tag
 - iii. MS word
 - iv. all of these
5. The extension of HTML document is.....
 - i. .html
 - ii. doc
 - iii. .exe
 - iv. ppt
6. Which attribute can be used with BODY tag to set background color green?
 - i. <background= "green">
 - ii. <bgcolour="green">
 - iii <bgcolor= "green">
 - iv. None of these

C. State whether the following statements are true or false:-

4x0.5=2

1. The first page of website is called home page.
2. Font element is used for specify various font styles.
3. HTML is a programming language.
4. Text or image that creates such links is called Hypertext or Hyperlink or Hotspot.

(Group 'C')

QBASIC

A. Answer the following question

2x2=4

1. What is variable and constant?
2. What is algorithm and flowchart?

B. Write a QBASIC program to find the area of circle. 2

C. Write a QBASIC program to accept three different numbers and print average of numbers. 3

D. Read the following programs and answer the following questions 2

```
CLS
```

```
LET L=10
```

```
LET B =5
```

```
LET H= 3
```

```
LET VOLUME=L*B*H
```

```
PRINT "THE VOLUME IS ";VOLUME
```

```
END
```

Note : 30 marks are allotted for practical.

"Good Luck"

**OCCUPATION, BUSINESS
AND TECHNOLOGY
(OBT)**

**CONTRIBUTOR
SHABINA DANGOL**

SYLLABUS

Term	Lessons/Contents	Periods (Days)	General Objectives
First Unit Test	Unit 1- Lesson 1 -Occupation and Education Lesson 2 -Medium and Higher Level Profession Unit 10- lesson 1 -Paper Craft Lesson 3 -Crafting of Various Objects from waste materials	(4) (12) (8) (8)	To tell the concept of occupation. To show the relation between occupation and education. To identify various medium and higher level profession. To prepare various craft by using paper. To prepare various craft by using waste materials.
First Term	Unit 2- lesson 1 -International Employment Unit 2- Lesson 2 -Medium and Higher Education Organization Unit 4- Lesson 1 -General Professional Skill Unit 11 –Lesson 1 -Preparation of various Clay Work Unit 12-Lesson 1 -Sewing Machine Unit 13- Lesson 1 -Local Technonology and its Evolution	(3) (10) (4) (5) (4) (4)	To classify and explain the importance of international employment. To identify major education streams and explain universities and technical institution of Nepal. To tell the concept of professional skills and identify problem solving skills. To tell the concept and prepare various clay work. To explain selling, distribution and accounting management related to claywork. To tell about various aspects of sewing To brief the concept and list importance of local technology. To write about common local technologies in Nepal. To explain the evolution of traditional technologies.

Term	Lessons/Contents	Periods (Days)	General Objectives
For Second Unit	Unit 3-Lesson 1 -Foreign Employment	5	To explain opportunities and challenges of foreign employment To tell about foreign employment related information source To find out medium of vacancy for foreign employment To identify aspects of business selection
	Unit 4- Lesson 2 -Business	6	To analyze environment and sustainable development To tell the concept of recipe To study recipe and prepare various foodstuffs
	Unit 7- Lesson 2 -Recipe Study and Production of Various Foodstuffs	8	To tell the concept of taking measurement To sew button and prepare apron
	Unit 12- Lesson 2 -Various aspects of Sewing and Knitting	7	

Term	Lessons/Contents	Periods (Days)	General Objectives
For Second Term	Unit 1- Lesson 3 -Career Development Plan	3	To tell the concept of a career and career development plan To explain the mechanism of selecting an occupation
	Unit 3- Lesson 2 -Foreign Employment Promotion Board	3	To explain the concept and functions of Foreign Employment Promotion Board To elaborate importance of business plan
	Unit 4- Lesson 3 -Business Plan	4	To prepare basic business plan framework To identify importance of cottage industries
	Unit 4- Lesson 4 -Cottage Industry	3	To tell the concept and methods of dried vegetables and fruits processing To discuss about identification of market, selling and distribution

	<p>Unit 7- Lesson 1 -production aspects of dried vegetable and fruits</p>	8	<p>To tell the concept of taking measurement, drafting and sew apron</p> <p>To write about home appliances in domestic use</p> <p>To explain other modern appliances</p>
	<p>Unit 12- Lesson 2 -Various aspect of sewing and knitting</p>	5	
	<p>Unit 14- Lesson 1 -Modern Appliances</p>	4	

Term	Lessons/Contents	Periods (Days)	General Objectives
For Third Unit	Unit 4- Lesson 5 -Entrepreneurship Education	3	To tell the concept and importance of Entrepreneurship Education
	Unit 4- Lesson 6 -Marketing Management	3	To tell the concept and importance of Marketing Management Show relationship between entrepreneurs and market To list the uses of medicinal plants To write about identification and processing of medicinal plants
	Unit 8- Lesson 2 -Medicinal Plants	8	To say about packaging and storage of medicinal plants To write about distribution, selling and cost/ revenue management To prepare medicinal plant processing from business plan To tell the concept of information technology To explain multimedia and write about internet To explain the code of conduct related to information technology
	Unit 14- Lesson 2 -Information Technology	5	

Term	Lessons/Contents	Periods (Days)	General Objectives
For Final Term	Unit 4- Lesson 7 -Pricing and Expense/Revenue Management	4	To tell the concept of pricing and explain expenses/ revenue management
	Unit 4- Lesson 8 -Multinational Company and WTO	4	To explain the concept of multinational company To tell the concept of WTO
	Unit 8- Lesson 2 -Medicinal Plants	2	To list the uses of medicinal plants To write about identification and processing of medicinal plants To say about packaging and storage of medicinal plants To write about distribution, selling and cost/ revenue management To prepare medicinal plant processing from business plan To tell the concept of Fish Farming and enlist the benefits of it To explain pasture conservation and identify the disease in fish and their treatment
	Unit 9- Lesson 5 -Fish Farming	4	To tell the concept of rainwater harvesting To list the advantages of rainwater harvesting To explain rainwater harvesting methods To tell the concept of alternative energy and classify alternative energy
	Unit 13- Lesson 2 -Rain water Harvesting	3	To explain solar energy and hydro power
	Unit 14- Lesson 3 -Alternative Energy	3	

Specification Grid

First unit exam

S.N	Unit	Lesson	Chapter	No. of question Each of 2 mark	No. of question Each of 3 mark	No. of question Each of 5 mark	Estimated Period	Total Marks
1	1	1	Occupation and Education	-	1	-	4	3
2	1	2	Medium and higher Level Profession	2	1	-	12	7
3	10	1	Paper Craft			1	8	5
4	10	3	Crafting of various object from waste materials			1	8	5
			Total Question	2	2	2	32	20

First term exam

S.N	Unit	Lesson	Chapter	No. of question Each of 5 mark	No. of question Each of 10 mark	Estimated Period	Total Marks
1	2	1	International Employment Medium and higher Education	1	-	3	5
2	2	2	Organization	2	-	10	10
3	4	1	General Professional Skill Preparation of various clay work	2	-	4	10
4	11	1	Sewing Machine	1	-	5	5
5	12	1	Local Technology Practicle Project Work	2	-	4	10
6	13	1		2	-	4	10
7	-	-			5	-	50
			Total Question	10	5	30	100

Second unit exam

S.N	Unit	Lesson	Chapter	No. of question Each of 2 mark	No. of question Each of 3 mark	No. of question Each of 5 mark	Estimated Period	Total Marks
1	3	1	Foreign Employment Business	1	1	-	4	5
2	4	2		1	1	-	12	5
3	7	2	Recipe Study			1	8	5
4	12	2	Various aspect of sewing and knitting			1	8	5
			Total Question	2	2	2	32	20

Second term exam

S.N	Unit	Lesson	Chapter	No. of question Each of 5 mark	No. of question Each of 10 mark	Estimated Period	Total Marks
1	1	3	Career Development Plan	1	-	3	5
2	3	2	Foreign Employment Promotional Board Business Plan	1	-	10	5
3	4	3	Cottage Industry	1	-	4	5
4	4	4	Production aspect of dry vegetable	2	-	5	10
5	7	1	Various aspect of sewing and knitting Modern Appliances	2	-	4	10
6	12	2	Practicle Project Work	1	-	4	5
7	14	1		2	5	-	10
8	-	-			5		50
			Total Question	10	5	30	100

Third unit exam

S.N	Unit	Lesson	Chapter	No. of question Each of 2 mark	No. of question Each of 3 mark	No. of question Each of 5 mark	Estimated Period	Total Marks
1	4	5	Entrepreneurship Education	2	-	-	4	4
2	4	6	Marketing Management Medicinal plants	-	2	-	12	6
3	8	2	Information Technology			1	8	5
4	14	2				1	8	5
			Total Question	2	2	2	32	20

Final exam

S.N	Unit	Lesson	Chapter	No. of question Each of 5 mark	No. of question Each of 10 mark	Estimated Period	Total Marks
1	4	7	Pricing and Expenses Multinational Company	1	-	3	5
2	4	8	Medicinal Plant	2	-	10	10
3	8	2	Fish Farming	2	-	4	10
4	9	5	Rainwater harvesting	2	-	5	10
5	13	2	Alternative energy Practicle Project Work	1	-	4	5
6	14	3		2	-	4	10
7	-	-				5	-
			Total Question	10	5	30	100

MODEL QUESTION BASED ON FIRST UNIT TEST

1. Answer the following:- 2x3=6
 - a. "If you think education is not essential, try ignorance." – Derek bok
Explain.
 - b. Write short notes on i) Profession ii) Ophthalmologist
2. Give short answer:- 2x2=4
 - a. Differentiate between principal and teacher.
 - b. Define engineering and enlist its classification.

Note : 10 marks are allotted for practical.

"Good Luck

MODEL QUESTIONS BASED ON FIRST TERM EXAM

GROUP – A [Attempt all]

1. What is University? List any six universities of Nepal with its location.
2. "The importance of international employment is huge for the country like Nepal".
Elaborate.
3. Explain CTEVT.

GROUP – B [Attempt any 5]

4. What is decision making? What are the skills essential to be a Good Decision Maker?
5. What is clay work? Write down any eight things required for clay work.
6. What is sewing machine? How does it work?
7. What is analysis skill and why is it necessary in business.
8. What are the essential tools for stitching clothes? Write any ten tools.

GROUP – C [Attempt all]

13. What do you mean by local technology and list the importance of it.
14. What is water mill and state the difference between water mill and flour mill.

Note : 50 marks are allotted for practical.

"Good Luck"

SOCIAL

CONTRIBUTOR

DHARAM RAJ JOSHI

SYLLABUS

Term	Lessons/Contents	Periods (Days)	General Objectives
First Unit Test	<p><u>Unit 1- We our</u> Community and Nation</p> <p>1.1 Development 1.2 Development regions 1.3 Federalism in Nepal 1.4 Importance of federalism</p> <p><u>Unit 2: Our social norms and values</u> 2.1 Our social rites and Traditions 2.2 Religions in Nepal</p> <p><u>Unit 3: social problems and preventions</u> 3.1 Dowry System Brain Drain 3.2 Corruption</p> <p><u>Unit 4: Civic sense</u> 4.1 Social rules 4.2 Human rites</p>	39	<p>On completion of this lesson the students will be able to:</p> <ul style="list-style-type: none"> • Define development, its importance and also figure out challenges development in Nepal. • State the meaning, importance including challenges to implement it • Figure out the ways to promote and protect our rites and rituals. • State the meaning of dowry and efforts made to combat and corruption including the ways to combat them. • Explain the meaning of social rules and their importance. • Define the term human rights and universal human right declaration and role of various organizations to protect and promote human rights.

<p>First Term</p> <p><u>Unit 1: We, our Community and Nation</u> 1.5 Drinking Water 1.6 Energy and Fuel 1.7 Human Resources</p> <p><u>Unit 2 :Our Social Values and Norms</u> 2.3 Social harmony 2.4 Beautiful Nepal : Unity in Diversity</p> <p><u>Unit 3: Social Problems and Preventions</u> 3.3 Drug addiction 3.4 Conflict</p> <p><u>Unit 4: Civic Sense</u> 4.3 Womens Rights 4.4 Inclusiveness 4.5 Constitutional provision for Inclusiveness in Nepal 4.6 Feature of the Constitution in Nepal.</p> <p><u>Unit 5: Our Earth</u> 5.1 Latitude and Longitude 5.2 Change in Season 5.3 Climate and Weather 5.4 Factors Affecting Temperature</p> <p><u>Unit 6: Our Past</u> 6.1 Peoples Participation in unification campaign in Nepal 6.2 Unification of Nepal 6.3 Continuation of Unification and its End</p> <p><u>Unit 7 Economic Activities</u> 7.1 Tourism Industry 7.2 Foreign Trade</p> <p><u>Unit 8: Our International Relation and Cooperation</u> 8.1 Our Friendly Nations 8.2 The united n Nations Organization and Its organs.</p> <p><u>Unit 9 Introduction to Population and</u></p>	<p>41</p>	<p>Define the infrastructure of development, their importance and present status in Nepal. Explain the meaning of social harmony, socio-cultural diversity and ways to maintain them. Define various social problem like drug addiction and conflict including their causes and mitigating measures. To know and define the term inclusiveness and ways to achieve it. State salient features of the constitution of Nepal. Define the term longitude and latitude and their importance Define and state difference between climate and weather. Explain the role plaid by ordinary people in unification campaign Learn the lesson from the prominent heroes of unification campaign. Define the term term tourism and advantages in promoting national economy. State the meaning, importance foreign trade, and tell current situation of foreign trade in Nepal.</p> <p>Learn about our friendly nations and ways to promote friendly relations and benefits we are getting from our friendly nations.</p> <p>Define the concept of demography, demographic measures and learn to calculate demographic measures.</p> <p>Tell the bad consequences of population and its mitigating measures.</p> <p>Know and explain the developments projects in Nepal. Explain the national heritages and tell the ways to preserve and promote them. Define and tell the characteristics of good governance. Explain the characteristic features of organizations. Know the liabilities of citizens and their importance. Explain the meaning, composition and importance of legislature. State the meaning of climate change its negative impacts and mitigating measures. Know and tell the name of districts of Nepal. Explain the term cartography and its importance in mapmaking. Know Major political events after the treaty of Sugauli.</p>
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	Demographic Situation 9.1 Concept of Demography 9.2 Measures of Demographic process. <u>Unit 10</u> population growth and its management 10.1 population and quality life		
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<p>Second Unit Test</p>	<p><u>Unit 1</u> we our community and nation 1.8 development projects in Nepal <u>Unit 2</u> Our social values and norms 2.5 national heritages <u>Unit 3</u> social problems and preventions 3.5 Sustainable Development <u>Unit 4: Civic Sense</u> 4.7 citizens liabilities 4.8 legislature <u>Unit 5: Our Earth</u> 5.5 Climate change 5.6 Districts and Zones of Nepal 5.7 Cartography <u>Unit 6: Our Past</u> 6.4 The Major Political Events after the Treaty of Sugauli 6.5 Political Activities During Rana Regime <u>Unit 7: Economic Activities</u> 7.3 Money and its functions 7.4 Pricing and Price Hiking 7.5 Bank and Banking system</p>	<p>34</p>	<p>Know and explain the developments projects in Nepal. Explain the national heritages and tell the ways to preserve and promote them. Figure out the meaning of sustainable development and mention the ways to achieve it. . Know the liabilities of citizens and their importance. Explain the meaning, composition and importance of legislature. State the meaning of climate change its negative impacts and mitigating measures. Know and tell the name of districts of Nepal. Explain the term cartography and its importance in mapmaking. Know Major political events after the treaty of Sugauli. Define the term money, tell its good characteristics and functions. Learn the political activities during rana regime and tell the socio-economic reforms brought by rana rulers. Explain the term pricing, price hiking and price determination process. Define bank, banking system and tell the importance of bank and banking.</p>
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<p>Second Term</p>	<p>Unit 3 Social Problems and Preventions 3.6 Good governance 3.7 international organizations <u>Unit 4</u> : Civic Sense 4.10 Federal Judiciary <u>Unit 5</u>: Our Earth 5.8 Map of Nepal 5.9 Earthquake 5.10 Storm 5.11 North America 5.12 South America <u>Unit 6</u>: Our Past 6.7 Major Political Events and Achievements after 2007 BS <u>Unit 7</u> Economic Activities 7.5 Bank and Banking system <u>Unit 8</u>: Our International Relation and Cooperation 8.3 The united nations organization and Nepal. 8. 4 Diplomatic Commissions <u>Unit 9</u> : Introduction to population and demographic situation 9.3 mortality and migration 9,4 factors affecting population change. <u>Unit 10</u>: population growth and its development 10.2 Problems of Population Management in Nepal</p>	<p>41</p>	<p>Define and tell the characteristics of good governance. Know the role of various social organization in combating social problems. Introduce federal judiciary and its functions Know physical and political features along with plotting in the hand drawn map of Nepal, South America and North America. Explain the term earthquake, know worlds earthquake prone zone. Learn its effects and know the precautions before during and after earthquake. Present socio economic achievement after 2007BS Share the ideas about cooperatives and capital formation Tell the importance of cooperatives Indicate condition of employment opportunity in Nepal. Define diplomatic missions and tell their importance. Discuss the role of United Nations in development and conflict management in Nepal. Evaluate diplomatic missions and their roles. Describe demographic process and calculate different demographic measures. Know the various factor affecting population change. Know the problems of population management in Nepal.</p>
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<p>Third Unit Test</p>	<p><u>Unit 6: Our Past</u> 6.7 Major Political Events and Achievements after 2007 BS 6.8 Greek and Roman Civilization 6.9 The Renaissance <u>Unit 7: Economic Activities.</u> 7.6 Capital Formation and Cooperatives 7.7 Status of Employment in Nepal <u>Unit 8 Our International Relation and Cooperation</u> 8.5 Contribution of Nepal to the world <u>Unit 9: Introduction to Population and Demographic Situation</u> 9.5 Population Composition of Nepal.</p>	<p>Present socio economic achievement after 2007BS Write about Greek and Roman civilization and the reforms made then. Describe development in human consciousness during Renaissance Share ideas about capital formation and cooperatives in Nepal Indicate condition of employment opportunity in Nepal. Discuss the contribution of Nepal to the world including UNO. Mention the composition of population in Nepal.</p>
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Third Term Exam	Unit 4: Civic Sense 4.9 Federal Executive Unit 5: Our Earth 5.11 Africa Unit 6: Our Past 6.7 The Major Political Events after the Treaty of Sugauli. Unit 7: Our Economic Activities 7.5 Bank and Banking system Unit 9: Introduction to Population and Demographic Situation 9.6 Population Distribution of Nepal 9.7 Internal and International Migration on Nepal 9.8 World's Population Size and its Growth. Unit 10: Population Growth and its Management 10.3 Methods of Population Management 10.4 Roles of International Organization for Population Management	39	Explain the meaning, composition and importance of Federal Executive. Know physical and political features along with plotting in the hand drawn map of Africa. Know the major political events after the treaty of Sugauli. Define bank, banking system and tell the importance of bank and banking. Define internal and external migration in Nepal and know the factors affecting it. Compare the situation and trend of Nepal's population with that of the world population. Evaluate the methods of population management. Evaluate the role of UNFPA in population management.
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SPECIFICATION GRID

FOR UNIT TEST

Unit	Area and scope	No. of questions each of 1 marks	No. of questions each of 4 marks	No. of questions each of 8 marks	Estimated periods	Remarks
1	We and Our Society	1(KB)	1(KB)		6days	
2	Our Social Norms and Values	1(CTB)			6days	
3.	Social Problems and Preventions	1(KB)	1(PB)		7days	
4.	Civic Consciousness			1(KB)	8days	
5.	Our Earth	1(PB)			5days	

FOR FIRST TERM EXAMINATION

Unit	Area and scope	No. of questions each of 1 marks	No. of questions each of 6 marks	No. of questions each of 8 marks	Estimated periods	Remarks
1	We and Our Society	1(KB)	1(KB)		6days	
2	Our Social Norms and Values	1(CTB)	1(CB)		6days	
3.	Social Problems and Preventions	1(KB)	1(PB)		7days	
4.	Civic Consciousness			1(KB)	8days	
5.	Our Earth	1(PB)		1(PB)	5days	
6.	Our Past	1(KB)	1(CTB)			
7.	OUR Economic Activities	1(KB)	1(KB)			
8.	Our international relations and co-operations	1(KB)	1(KB)			
9	Introduction of population and demographic situations			1(KB)		

FOR SECOND UNIT TEST

Unit	Area and scope	No. of questions each of 1 marks	No. of questions each of 4 marks	No. of questions each of 8 marks	Estimated periods	Remarks
1	We and Our Society				4days	
2	Our Social Norms and Values	1(CTB)			5days	
3.	Social Problems and Preventions	1(KB)			4days	
4.	Civic Consciousness			1(KB)	5days	
5.	Our Earth	1(PB)			7days	
6.	Our past	1(KB)	1(CTK)		5days	
7.	Economic Activities		1(KB)		6days	

FOR SECOND TERM EXAMINATION

Unit	Area and scope	No. of questions each of 1 marks	No. of questions each of 6 marks	No. of questions each of 8 marks	Estimated periods	Remarks
1.	Social Problems and Preventions	1(KB)	1(PB)		5days	
2.	Civic Consciousness	1(KB)		1(KB)	5days	
3.	Our Earth	1(PB)		1(PB)	5days	
4.	Our Past	1(KB)	1(CTB)		6days	
5.	OUR Economic Activities	1(KB)	1(KB)		5ays	
6.	Our international relations and co-operations	1(KB)	1(KB)		5days	
7	Introduction of population and demographic situations	1(KB)	1(PB)	1(KB)	5days	
8.	Population Growth and Management	2(KB)	1(PB)		5days	

FOR THIRD UNIT TEST

Unit	Area and scope	No. of question each of 1 marks	No. of questions each of 4 marks	No. of questions each of 8 marks	Estimated periods	Remarks
6	Our Past	1(KB)			6days	
7	Our Economic activities	1(KB)	1(KB)		6days	
8	Our International relations and cooperation	1(KB)	1(KB)		7days	
9	Introduction of Population and Demographic Situation	1(PB)		1(KB)	6days	

Model Question for Unit Test

Full Marks: 20

Pass Marks: 10

Very Short Answer type questions:

1. Define the term federalism in a sentence.
2. Name any one emerging problem of your society with its solution.
3. What should we do to preserve our social traditions and practices? Write in a sentence?
4. What is meant by longitude?

Short answer type questions:

5. Mention the possibilities of development in Nepal in four points.
6. Write a letter to the News Editor stating about the hazards caused by brain drain in the country.

Long answer type question:

7. Define the term Human Rights. Mention any six functions of National Human Right commission.

Model Question

Full Marks: 75

Time: 2hr.15min

Pass Marks: 37.5

Write very short answers:

9X1=9

1. Write two importance's of skilled human resources.
2. What should be done to maintain religious tolerance? Write in a sentence.
3. What is corruption? State it in a sentence.
4. What type of constitution is Interim Constitution? Define in a sentence.
5. Define the term Latitude?
6. Write any one lesson that you learnt from Great PN Shah.
7. State any two importance of tourism in the development of Nepal.
8. Write name of any two countries which help in the development of Nepal.
9. Name the determinants of Population Change?

Give short answer to the following question.

7X6=42

10. "Hydro Electricity is the most important source of energy in Nepal ".Present any four evidences to justify it.
11. What are the main ideas of Hinduism, Christianity and Kirant Religion?
12. Write down any three causes and measures of Corruption in our country Nepal.
13. Write a letter to your friend describing the condition of Nepal before its unification.
14. Write any six roles played by ordinary people in the unification of Nepal.
15. Write two functions of the three organs of UN.
16. Present the given data in bar-diagram.

Age Group	Number
12 years	20
13 years	25
14 years	30
15 years	15

Give long answer of the following questions.

8X3=24

17. What is meant by inclusiveness? What are the ways of making a country inclusive? Write down a four merits of inclusiveness
18. Draw a full paper map of Nepal and show the following facts in it.
Karnali River, Janaki Temple,
Prithvi Highway, Tea Growing Area , Mount Api.
19. Give an introduction to demography? Describe any four components of it.

HEALTH

CONTRIBUTOR

JASMINE RAJBAMSHI

Syllabus

Units	Content	Objectives	Estimated Period
For the First Unit Test			
1.1	Circulatory System	To know about circulatory system and organs related to it.	3
1.2	Glandular system	To know about Glandular system and organs related to it	3
6	Personal hygiene, family and community health.	-Methods of keeping body clean. -Regular health checkup. -Relation between Family and Community health -Types of health services available in our community	4
7	Drill and physical training	-Drill exercise -P.T. training from P.T. no 1 to 13.	6
For the First Terminal Exams			
1.3	Nervous System	To know about Nervous System and organs related to it.	4
2	Food and Nutrition	Introduction to malnutrition and the diseases related to it. Preparation about preparation about proper balanced diet. Disadvantages of junk food.	4
1	Physical Exercise	To know about warm up Exercise and importance of regular exercise	3
For the Second unit test			
1.4	Reproductive System	To know about Reproductive System and organs related to it.	4
2	Major Games	To know about basic skills of volleyball, football, basketball and dodge ball. Practice and know the rules of games such as kabaddi, kho-kho and cricket	8
For Second terminal Exam			
3	Diseases	To know about the causes and control measures of communicable and non communicable diseases. To provide proper information about balanced diet.	6
3	Athletics	To know about long distance race, long jump, baton relay race, high jump, shotput and to know about some athletic exercise such as jumping, entering and exercise of pair of legs.	4
5	Safety and first aid	To know about first aid, sprain/bone fracture, current shock, altitude sickness, unconsciousness and snake bite	5
For third Unit test			
4	Environmental Health	To know about the water and airborne diseases, their causes and preventive measures. Proper management of garbage and methods of proper garbage management.	4
6	Yoga	To know about the importance of yoga.	3
For Third Terminal exam			
7	Drinking, Smoking and Drug abuse	To know about types of drug, alcohol and smoking. To know about the impacts of drug, alcohol and smoking. To know about the preventive measures of drug, alcohol and smoking	5
5	Gymnastics	To know about gymnastics and to know about how it helps to build up the strength and ability of a body	2
4	Relay Race	To know about different types of Relay Race	3

SPECIFICATION GRID

FOR THE FIRST UNIT TEST				
Areas	Name of the lesson	Est.periods	No. of questions	F.M.
Health	Circulatory System	3	2	4
	Glandular System	3	2	4
	Personal Hygiene Family and Community Health	4	3	6
Physical	Drill and Physical Training	6	3	6

FOR THE FIRST TERMINAL EXAMINATION				
Areas	Name of the lesson	Est.periods	No. of questions	F.M.
Health	Circulatory System	3	2	4
	Glandular System	3	2	4
	Personal Hygiene Family and Community Health	4	2	4
	Nervous System	4	2	4
	Food and Nutrition	4	3	6
	Drill and Physical Training	6	2	4
Physical	Physical Exercise	3	2	4

For second Unit test				
Areas	Name of the lesson	Estimated Period	No. of questions	F.M
Health	Circulatory System	3	1	2
	Glandular System	3	1	2
	Nervous System	4	1	2
	Nutrition	4	1	2
	Diseases	4	1	2
	Reproductive System	6	1	2
Physical	Drill and Physical Training	4	2	4
	Major Games	6	1	2
		8	2	4

For Second Term Examination

Area	Name of the lesson	Estimated Period	No of questions	F.M>
HEALTH	Circulatory System	3	1	2
	Glandular System			
	Nervous System	3	1	2
	Nutrition			
	Diseases	4	1	2
	Reproductive System	4	2	4
		6	3	6
		4	2	4
Physical	Drill and Physical Training	6	2	5
	Major Games			
	Athletics	8	1	2
		6	2	4

For Third Unit test

Area	Name of the lesson	Estimated Period	No of the question	F.M.
Health	Circulatory System	3	1	2
	Glandular System			
	Nervous System	3	1	2
	Nutrition			
	Diseases	4	1	2
	Reproductive System	4	1	2
	Environmental Health	6	1	2
			4	2
		4	2	4
Physical	Drill and Physical Training	6	1	2
	Major Games			
	Athletics	8	1	2
	Yoga	6	1	2
		3	2	4

For Third Term Examination

Areas	Name of the lesson	Estimated Period	No .of questions	F.M.
	Human body	14	1	2
	Food and Nutrition			
	Diseases	4	1	2
	Environmental Health			
	Safety and first aid	6	2	4
	Personal Family and Community Health	4	1	2
	Drinking, Smoking and Drug abuse	5	1	2
		4	3	6
		5	1	2
	Physical Exercise	3	2	4
	Major Games			
	Athletics	8	2	4
	Relay Race			
	Gymnastics	4	2	4
	Yoga	3	2	4
	Drill and Physical Training	2	2	4
		3	2	4
		6	2	4

Model questions based on First UT

GROUP "A" (2*10=20)

- 1) Define Circulation (2)
- 2) What are blood vessels? What are the different types of blood vessels?(2)
- 3) Write the function of Pitutary Gland. (2)
- 4) Why is personal hygiene important? (2)
- 5) Write any four healthy habits. (2)
- 6) Differentiate between RBC and WBC.(2)
- 7) How can you maintain good mental health? (2)
- 8) Write the importance of P.T (2)
- 9) Define Drill. (2)
- 10) Why is the command dismiss given? Explain (2)

Model questions based on First Terminal

- 1) Define Circulation (2)
- 2) Write the function of Pitutary Gland. (2)
- 3) Why is personal hygiene important? (2)
- 4) What are the parts of nervous system?(2)
- 5) What is nutrition? (2)
- 6) What types of mental problems do the children suffer due to malnutrition?(2)
- 7) Why is immunization important?
- 8) Why is diabetes called sugar disease?
- 9) Define communicable disease.
- 10) What is AIDS? How is it transmitted?
- 11) Write the importance of P.T (2)
- 12) Why is the command Dismiss given?(2)
- 13) Which part of body is exercised by PT no.1? (2)
- 14) What is Physical Education? Explain its importance.(2)
- 15) Why should warm up exercise be done before playing ? (2)