

**TRIBHUVAN UNIVERSITY**

Faculty of Education

2075

Bachelor /1<sup>st</sup> Semester

Course Title : Introduction to Information Technology

Course Code: ICT. Ed. 415

Time: 3 hrs.

Full Marks: 40

Pass Marks: 20

*Candidates are required to give their answers in their own words as far as practicable.*

*The figures in the margin indicate full marks.*

Attempt all questions

**Group "B"**

6 X 5 marks =30

**Short answer questions**

1. Draw the internal architecture of computer system. What are functions of RAM?
2. Define software. What are the functions of operating system?
3. What are different types of computer crime? How do you protect?
4. Why does an organization setup a computer network? Discuss about guided and unguided communication media.
5. What is database? Discuss about different types of data models.
6. Illustrate the importance of social media in virtual learning with reference to web2.0

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**Attempt all questions**

### Group "A"

10 X 1 mark = 10

Tick ( ✓ ) the best answers

1. Who invented the Tabulating Machine (TM)?
    - a. Charles Babbage
    - b. Herman Hollerith
    - c. John Von Neumann
    - d. Blaise Pascal
  2. Which command is used to make directory in working directory?
    - a. MD
    - b. MAKE DIR
    - c. MDIR
    - d. MKDR
  3. Which one of the following short cut key is used for Redo in MS Word?
    - a. Ctrl+X
    - b. Ctrl+Z
    - c. Ctrl+W
    - d. Ctrl+Y
  4. Which one of the following is not valid MS Excel function?
    - a. SQRT()
    - b. COUNT()
    - c. POW()
    - d. MOD()
  5. Which one of the following is valid comparison operator used in MS Excel?
    - a. =>
    - b. =<
    - c. !=
    - d. <>
  6. Which one of the following is the binary equivalent of  $(456)_8$ ?
    - a.  $(100100011)_2$
    - b.  $(100101110)_2$
    - c.  $(011101110)_2$
    - d.  $(100101001)_2$
  7. Which one of the following is not a networking device?
    - a. Digitizer
    - b. Bridge
    - c. Switch
    - d. NIC
  8. Which one of the following database model belongs to MS Access?
    - a. Network Database
    - b. Hierarchical Database
    - c. Distributed Database
    - d. Relational Database
  9. Which of the following technology belongs to Static web content?
    - a. Web 3.0
    - b. Web 2.0
    - c. Web 1.0
    - d. www
  10. Which one of the following is not an intellectual property?
    - a. Patent
    - b. Quality
    - c. Copyright
    - d. Trademark

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6 X 5 marks =30

**Short answer questions**

- What are the differences between primary and secondary memory? Differentiate them with suitable examples.
- What do you mean by programming language? Explain the different types of programming languages with their advantages and disadvantages.
- You are provided following data:

Pragati H.S School

Nepal

Mark - Sheet

	A	B	C	D	E	F	G	H	I	J
1	Name	English	Nepali	Education	Math	Computer	Total	Percentage	Result	Division
2	Rekha	67	45	65	76	66				
3	Ganga	78	54	64	67	76				
4	Shree	87	56	67	65	61				
5	Rahul	76	64	56	22	82				
6	Binita	79	46	63	58	56				

Write the formula to calculate following on basis of given condition:

- Calculate Total marks
- Calculate Percentage
- Mark the student with either "PASS" or "FAIL" [Pass mark 35]
- Calculate the division. Assume 80% above is distinction, 70% above is First division, 60% above is second division and third division otherwise.
- Define Network. Explain different types of data communication channels with their merits and demerits.
- Define database. Explain different types of databases.
- What are social media? Explain the positive and negative impacts of social media in society.

## TRIBHUVAN UNIVERSITY

Faculty of Education

2075

Bachelor / 1<sup>st</sup> Semester

Symbol No:

Course Title : Fundamentals of Mathematics

Full Marks: 60

Course Code: Math. Ed. 415

Pass Marks: 30

Time: 3 hrs.

*Candidates are required to give their answers in their own words as far as practicable.**The figures in the margin indicate full marks.***Attempt all questions****Group "A"**

10 X 1 mark =10

Tick ( ✓ ) the best answers

1. If p is  $3 + 3 \neq 6$  and q is  $2 + 5 = 7$ , then the expression  $3 + 3 \neq 6$  and  $2 + 5 = 7$  is written as
 

a. $p \vee q$	b. $p \wedge q$
c. $q \vee p$	d. $p \rightarrow q$
2. Which of the following is true for the sets A and B?
 

a. $A \cap B = B \cap A$	b. $A \cap B \subset A$
c. $A \cap B \subset B$	d. All of above
3. If  $A = \{0, 1, 2, 3\}$  and  $B = \{0, 1, 4, 9, 16\}$  and  $f: A \rightarrow B$  is defined by  $f(x) = x^2$ , then f is
 

a. one-one	b. into
c. one-one into	d. one-one onto
4. If  $x < y$  and  $k > 0$ , then which of the following is not true?
 

a. $kx < ky$	b. $kx > ky$
c. $k + x < k + y$	d. $-kx < -ky$
5. If  $ux - 5 \leq 7 + 2x$ , then its solution set is
 

a. $x \geq 2$	b. $x \leq 2$
c. $x \leq 6$	d. $x \geq 6$
6. If  $2 - \sqrt{3}$  is a solution to an equation, then another solution is
 

a. $2 + i\sqrt{3}$	b. $2 - \sqrt{3}i$
c. $\sqrt{3} + 2i$	d. $\sqrt{3} + 2$
7. The value of the expressions  $\log_3 27$  is same as that of
 

a. $\log_3 1$	b. 3
c. 2	d. 0
8. What is the absolute value of the number  $u - \sqrt{3}i$  ?
 

a. 5	b. $\sqrt{13}$
c. 19	d. $\sqrt{19}$
9. The quadratic equation  $2x^2 + bx + 2 = 0$  has two equal real roots if- b is \_\_\_\_\_.
 

a. -2	b. 4
c. 0	d. 2
10. If w be one of the roots of  $x^3 = 1$  then which of the following is not true
 

a. $w^3 = 1$	b. $1 + w + w^2 = 0$
c. $(1 + w)^2 = w$	d. $(1 + w)^3 = 1$

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Time: 3 hrs.

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*The figures in the margin indicate full marks.*

Attempt all questions

**Group "B"**

6 X 5marks =30

**Short answer questions**

1. If  $A = \{1,3,5,6\}$ ,  $B = \{2,3,4,6\}$  and  $c = \{1,3,5,7\}$  then verify that  $A \cap (B \cup C) = (A \cap B) \cup (A \cap C)$
2. Is the function  $f(x) = 3x - 2$  invertible? If it is, find the inverse of  $f$ .
3. Define validity of a statement. Determine the validity of  $(p \rightarrow q) \wedge q \rightarrow \sim p$ .
4. Define absolute value and amplitude of a complex number and find the square root of  $8+6i$ .
5. Solve the linear programming problem (graphically)

$$\text{maximize } z = 3x + 4y$$

$$\text{s.t. } 2x + 3y \geq 9$$

$$x - y \leq 2$$

$$\text{and, } x \geq 0, y \geq 0$$

$$6. \text{ Show that } 7 \log \frac{16}{15} + 5 \log \frac{25}{24} + 3 \log \frac{81}{80} = \log 2$$

**Group "C"**

2 X 10 marks =20

**Long answer questions**

7. Solve  $x^4 - 16x^3 + 86x^2 - 176x + 105 = 0$ . if two roots are 1 and 7.
8. Define modulus of a complex number. If  $z_1$  and  $z_2$  be two complex numbers, then prove that  $|Z_1 Z_2| = |Z_1||Z_2|$ , and,  $|Z_1 + Z_2| \leq |Z_1| + |Z_2|$

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2076

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Course Title : Fundamentals of Mathematics

Course Code: Math. Ed. 415

Time: 3 hrs.

Symbol No:

Full Marks:60

Pass Marks:30

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

**Attempt all questions****Group "A"**

Tick ( ✓ ) the best answers

1. If  $E$  be the universal set,  $A$  be any set and  $\bar{A}$  be its complement then which of the following is true?  
 a.  $A \cap E = E$       b.  $E \cup A = A$   
 c.  $\bar{A} = E$       d.  $A \cap \bar{A} = \emptyset$
2. The mathematical sentence  $(x + 2 = 5) \wedge (x \leq 3)$  is :  
 a. conjunctive      b. disjunctive  
 c. mixed      d. none
3. The function  $f(x) = 2x^2 - 3, x \geq 0$  is :  
 a. constant      b. increasing  
 c. decreasing      d. stationary
4. If  $0 < a < b$  then, which of the following is not true?  
 a.  $2a < 2b$       b.  $b > a$   
 c.  $-a < -b$       d.  $a^3 < b^3$
5. What type of function  $f(x) = 3x + 2$  is?  
 a. Bijective      b. Surjective  
 c. Injective      d. None
6. What is the degree of homogeneous function  $f(x, y) = 4x^3 + 2x^2y + y^3$ ?  
 a. 1      b. 3  
 c. 0      d. 4
7. If  $\alpha, \beta, \gamma$  be the roots of equation  $x^3 - 3x^2 + x + 2 = 0$ , then which of the following is true?  
 a.  $\alpha + \beta + \gamma = -3$       b.  $\alpha \beta \gamma = 2$   
 c.  $\alpha \beta + \beta \gamma + \gamma \alpha = -1$       d.  $\alpha + \beta + \gamma = 3$
8. What is the value of  $\log_5 625^2$ ?  
 a. 8      b. 4  
 c. 2      d. 5
9. If  $-3 + 2i$  is one of the roots of  $x^2 + 6x + 13 = 0$ , then which one of the following is another root?  
 a.  $-2 + 3i$       b.  $3 - 2i$   
 c.  $-3 - 2i$       d.  $3 + 2i$
10. What is the absolute value of complex number  $2 + \sqrt{3} - 2i$ ?  
 a.  $2 + \sqrt{3} + 2$       b.  $11 + 2\sqrt{3} +$   
 c.  $\sqrt{3}$       d.  $7 + 2\sqrt{3}$

10 X 1mark =10

Bachelor / 1<sup>st</sup> Semester

Course Title : साधारण नेपाली १

Course Code: नेपा.शि. ४९९

Time: 3 hrs.

Symbol No.:

Full Marks: 60

Pass Marks: 30

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

Attempt all questions

समूह (क)

सर्वोपयुक्त उत्तरमा रेजा (✓) चिह्न लगाउनुहोस् :

 $10 \times 9 = 90$ 

१. भाइ गाउँमा बस्छ । म दश वर्षदेखि काठमाडौंना बस्न्दै छु । उपर्युक्त कथनमा नेपालिका शब्दहरू कुन शब्दवर्गका हुन् ?

क. नाम ख. विजेतायम न. क्रियाक्रमहरू छ. सम्बन्धहरू

२. औपचारिक वादनमो प्रयोग कुन वाक्यमा वर्णिएको छ ?

क. तै भात खान्छन् ख. लिखी भात खान्दै

ग. तपाईँ भात खानुहुन्छ घ. तप्तु भूता खान्दैन्नहुन्छ

३. पूरकापेक्षी क्रियाको प्रयोग कुनमा पाइन्छ ?

क. ऊ चलाख छ ख. लाग्नी कासीका लिहौ

ग. सरला विद्यालय बढाउन् घ. काल्पनिक विद्यालय बढाउन्न

४. पञ्चमी तातुलाखको दमकलमा कुन हो ?

क. पदमुक्त ख. प्रजानन्दहरू

ग. भाइमारा घ. पूजाकोटी

५. चालू वर्षको अग्रिम कर तिन किस्तामा बुझाउनुपर्ने दायित्व भएका करदाताले यसी मसान्तमित दोस्रो किस्ताको रकम बुझाउनुहुन सूचित गरिन्छ । उपर्युक्त गदांशमा कुन विषयक्षेत्रका शब्दभण्डारको प्रयोग गरिएको छ ?

क. विज्ञानप्रविधि ख. अर्थवाणिज्य

ग. धर्मसंस्कृति घ. शिक्षासञ्चार

६. लिनेले दिनेलाई आफूले लिएको प्रमाणका रूपमा दिने कागजपत्रलाई के भनिन्छ ?

क. तमसुक ख. भौचर ग. टिप्पणी घ. भनाई

७. कुनै पनि सूचना वा तथ्यलाई शीर्षक, उपशीर्षक तथा उच्चशीर्षकमा कर्तीकृत नहीं जाने ढाँचालाई के भनिन्छ ?

क. वृक्षारेख ख. समाजका चित्र

ग. रेखाचित्र घ. समाजका चित्र

८. सङ्केतीकरणको लेखो चालमान कुन कार्यकारणमा बोहो विषयहरू ?

क. पाठको रेखाइकन ख. लेखा सुनाइटपोट

ग. सङ्केतीकरणको खेसा टिपोट घ. साझी कुदाटपोट

९. मरुभूमिमका लेखक एकाइकीको मूल मर्म के हो ?

क. बौद्धिक शोषण ख. सामाजिक परिवर्तन

ग. प्रतिभा पलायन घ. कलात्मको वित्तभा

१०. महापुरुषको सङ्गत निवन्धने के सन्देश दिएको छ ?

क. सरकारी कामप्रति व्यवस्थ ख. समाजका अगुवाङ्गीत घोषणाहरू

ग. सामाजिक विकृतिको भण्डाफोर घ. स्वच्छ र जार्दशाचरित्रको अनेका

६. महापुरुषको सङ्गत निबन्ध पढिसकेपछि मनमा लागेका खुल्दुलीलाई समेटी आफ्नो धारणा प्रस्तुत गर्नुहोस् :

समूह (ग)	$2 \times 10 = 20$
लामो उत्तर दिनुहोस् ।	

७. यात्री कवितामा दीनदुखीको सेवाबाट मात्र ईश्वर रिभाउन सकिने आशय प्रकट गरिएकाले यसप्रति रहेको तपाईंको धारणालाई प्रतिक्रियात्मक अभिव्यक्तिका रूपमा प्रस्तुत गर्नुहोस् :

८. तलको गच्छांश पढी सोधिएका प्रश्नको छोटो छारितो उत्तर दिनुहोस् ।  
पर्यटन क्षेत्रको विकासका लागि सम्बन्धित देशका सांस्कृतिक एवम् प्राकृतिक सम्पदाको भूमिका महीवर्पूर्ण हुन आउँछ । प्राकृतिक सौन्दर्यले भरिपूर्ण दृश्य र प्राकृतिक विविधतायुक्त जीवनशैली तथा सामाजिक चालचलन पर्यटकको मन जिल्ले सम्पदा हुन् । नेपालका सन्दर्भमा काठमाडौं उपत्यकाको सांस्कृतिक सम्पदा तथा अन्नपूर्ण र खुम्बु क्षेत्रका ग्रामीण सांस्कृतिक जीवनशैली एवम् परम्पराहरू पर्यटकका लागि रुचिपूर्ण विषय बनेका पाइन्छन् । पोखरा उपत्यका त नेपालको मात्र नभई विश्वकै सुन्दर प्राकृतिक भूबनोटको स्थान हो । पोखराको भौगोलिक बनावट र भूआकृति एवम् अन्नपूर्ण हिमश्रृङ्खला र पोखरा उपत्यकाका तालतलैयाको सौन्दर्यका बारेमा विदेशी नागरिकले समेत चर्चा गरेका छन् । कतिपयले त पोखराबाट देखिने माछापुच्छेको दृश्यलाई विश्वमै अद्वितीय ठानेका छन् ।

प्राकृतिक सौन्दर्यले युक्त भएर पनि पर्यटकका लागि पोखरा गन्तव्यका रूपमा विकास हुन सकेको छैन । पोखरा उपत्यका विश्वप्रसिद्ध अन्नपूर्ण पदयात्रा मार्गको प्रवेश ढोका एवम् विश्रामस्थलका रूपमा बढी परिचित छ । पोखरा उपत्यकाका पर्यटनस्थलको पहिचान, विकास, प्रबर्धन तथा संरक्षणमा जोड दिनु आवश्यक छ । वस्तुतः पोखरा उपत्यका र त्यसका सेरोफेरोमा रहेका नदीनाला, झरना, बनबुट्यान, पशुपन्थी, हिमश्रृङ्खला, तालतलैया,

फाँट, मैदान, पहाडजस्ता प्राकृतिक सम्पदाबाट पर्यटन विकासमा ठुलो यागदान पुग्ने ठानिएको छ ।

पोखरा विभिन्न जातजाति, भाषाभाषी समुदायको सङ्गम स्थल हो र विविध किसिमका जीवनशैली, लोकपरम्परा र सांस्कृतिक सम्पदाका दृष्टिले समेत धनी छ । विदेशी पर्यटकदेखि आन्तरिक वा रैथाने पर्यटकसम्मलाई पोखरा आएपछि मन लोभ्याउने र छुने दृश्य भनेकै नजिकै देखिने अन्नपूर्ण हिमश्रृङ्खला हो । त्यसमा पनि माछापुच्छे हिमालको छायालाई फेवातालको पानीमा हेर्दै डुङ्गामा घुम्नु सामान्य रोमाञ्चक विषयमात्र होइन, अलौकिक आनन्द पनि हो । प्रकृतिप्रेमी पर्यटकले पोखरा उपत्यकाको पूर्वी भेगमा रहेका बेगनास तथा रूपातालका क्षेत्रमा भ्रमण गरी डुङ्गायात्राबाट नै प्राकृतिक जीवजन्तु र वनस्पतिको अध्ययन एवम् जलक्रीडाको प्रचुर आनन्द लिने गरेको देखिन्छ ।

#### प्रश्नहरू

अ. पर्यटन क्षेत्रको विकासका लागि नेपालमा केकस्ता साधनस्रोत रहेका छन् ?

आ. पोखरा उपत्यकाको भूबनोटलाई विश्वमै अद्वितीय किन ठानिएको हो ?

इ. प्राकृतिक सौन्दर्यले पूर्ण भए पनि पोखरा पर्यटकका लागि अझै गन्तव्यस्थल बन्न नसक्नाका कारण के हुन् ?

ई. प्राकृतिक सम्पदा र सामाजिक सांस्कृतिक परम्पराले पोखराको पर्यटन विकासमा कस्तो सहयोग पुऱ्याएको छ ?

उ. पर्यटकले पोखरा भ्रमणबाट केकस्ता दृश्यको अवलोकन गर्न सक्छन् ?

## TRIBHUVAN UNIVERSITY

Faculty of Education

2075

Bachelor / 1<sup>st</sup> Semester

## Course Title : साधारण नेपाली १

Course Code: नेपा.शि. ४९९

Time: 3 hrs

**Symbol No:**

Full Marks: 60

Pass Marks: 30

Pass Ma

**Attempt all questions.**

### **Attempt all questions**

## समृद्ध (क)

सर्वोपयुक्त उत्तरमा रेजा (✓) चिह्न लगाऊनुहोस् :

$$90 \times 9 = 90$$

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Course Code: नेपा.शि. ४११

Time: 3 hrs.

Full Marks: 60

Pass Marks: 30

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

Attempt all questions

सम्पूर्ण (ख)

$$6 \times 5 = 30$$

छोटो उत्तर दिनुहोस्।

१. तलको गद्यांशबाट सोधिएका प्रश्नको उत्तर दिनुहोस्:  
 रोजगारमूलक शिक्षाको व्यवस्था भएमा कोही पनि बेरोजगार बस्नुपर्दैन्। यसबाट विदेशीको मुख ताक्ने तथा युवाशक्ति मुग्लानतिर पलायन हुने कुराको पनि अन्त्य हुन्छ। बेरोजगारीकै कारण देशमा हत्याहिंसा एवम् भैंझगडा बढिरहेको छ। तसर्थ शान्ति कायम गरी सिर्जनाको बाटो पहिल्याउन पनि व्यावसायिक शिक्षाको आवश्यकता रहेको देखिन्छ।

क. उपर्युक्त गद्यांशका रेखाडिकृत शब्दको शब्दवर्ग ठम्याउनुहोस्।  
 ख. उपर्युक्त गद्यांशबाट सर्गपद्धति, समासपद्धति र द्वित्वपद्धतिबाट बनेका छ्वटा शब्द टिप्नुहोस्।

२. तलको गद्यांशका मूल भाव समेटी एकतिहाइ शब्दमा सङ्क्षेपीकरण गर्नुहोस्।  
 कुनै पनि देशको विकासका लागि जनसहभागिता र जनसचेतना पहिलो सर्त मानिन्छ। यसप्रकारको सहभागिताबाट राष्ट्रनिर्माणका महत्त्वपूर्ण कार्य सम्पन्न गर्न सकिन्छ। यसका निम्नि सरकारले जनसहभागिता जुटाउने वातावरण बनाउनुपर्छ। जनतालाई जन्म्यादित र प्रेरित गर्ने काममा नेतृत्वको ठुलो भूमिका रहन्छ। नेता

त्यारी, निःस्वार्थी र परोपकारी भए त्यसको प्रभाव जनतामा पनि पर्छ। नेतामात्र ठिक भएर हुँदैन, नीतिव्यवस्था पनि प्रजातान्त्रिक हुनै पर्छ। जनचाहना नबुझ्ने नेता र सरकारको मात्रै मुख ताक्ने जनता विकासका बाधक मानिन्छन्। जुन देशमा जनसहभागिता जुटाउने नीति बनाइन्छ, त्यस देशमा विकासको गति तीव्र हुन्छ।  
 ३. तल दिइएका गद्यांशका वाक्यहरूमा आवश्यक परिवर्तन गरी तृतीय पुरुषमा पुनर्लेखन गर्नुहोस्:

गत शनिवार हामी वनभोज गयौँ। यसका लागि हामीले नारायणघाट पारीको मौलाकालिकाको रमणीय डाँडो रोज्यौँ। हामीमध्ये आधाजसो त्यहाँ पहिलोपल्ट जाँदै थियौँ। हामीले वनभोजमा लानुपर्ने कुराको टिपोट र त्यसअनुसार कामको बाँडफाँड अधिल्लो दिन नै गरेका थियौँ। भोलिपल्ट बिहान सातै बजे पोखरा बसपार्कमा भेट हुने गरी आआफ्ना वासस्थानतिर लाग्यौँ।

४. तलको तालिकामा कुनै क्याम्पसमा अध्ययनरत मातृभाषी विद्यार्थीको विवरण दिइएको छ। उक्त विवरण हेरी त्यसका सूचनालाई अनुच्छेदमा बदल्नुहोस्:

सेवाक्षेत्रको स्थिति

क्र. सं.	सेवाक्षेत्र	संख्या	प्रतिशत
१	नेपाली	६०	२२.८
२	मैथिली	८५	३२.४
३	तामाङ	४०	१५.२
४	भोजपुरी	२५	९.५
५	अन्य	५३	२०.१

५. तपाईंको अध्ययन गर्दै गरेका क्याम्पसका क्याम्पस प्रमुखलाई आफ्नो आर्थिक अवस्था कमजोर भएको कुरा जनाई छात्रवृत्तिका लागि निवेदन लेख्नुहोस्।

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2076/02/10

Bachelor / 1<sup>st</sup> Semester

Symbol No:

Course Title : साधारण नेपाली १

Course Code: नेपा.शि. ४११

Time: 3 hrs.

Full Marks: 60

Pass Marks: 30

*Candidates are required to give their answers in their own words as far as practicable.*

*The figures in the margin indicate full marks.*

### **Attempt all questions**

## समूह (क)

सर्वोपयक्त उत्तरमा रेजा (५) चिह्न लगाउनहोस :

$$90 \times 9 = 90$$

६. महापुरुषको सङ्गत निवन्ध पढिसकेपछि मनमा लागेका  
खुल्दुलीलाई समेटी आफ्नो धारणा प्रस्तुत गर्नुहोस् :

समूह (ग)

$$2 \times 10 = 20$$

लामो उत्तर दिनुहोस् ।

७. यात्री कवितामा दीनदुखीको सेवाबाट मात्र ईश्वर रिभाउन सकिने आशय प्रकट गरिएकाले यसप्रति रहेको तपाईंको धारणालाई प्रतिक्रियात्मक अभिव्यक्तिका रूपमा प्रस्तुत गर्नुहोस् :

८. तलको गद्यांश पढी सोधिएका प्रश्नको छोटो छरितो उत्तर दिनुहोस् । पर्यटन क्षेत्रको विकासका लागि सम्बन्धित देशका सांस्कृतिक एवम् प्राकृतिक सम्पदाको भूमिका महीवर्पूर्ण हुन आउँछ । प्राकृतिक सौन्दर्यले भरिपूर्ण दृश्य र प्राकृतिक विविधतायुक्त जीवनशैली तथा सामाजिक चालचलन पर्यटकको मन जिले सम्पदा हुन् । नेपालका सन्दर्भमा काठमाडौं उपत्यकाको सांस्कृतिक सम्पदा तथा अन्तर्पूर्ण र खुम्बु क्षेत्रका ग्रामीण सांस्कृतिक जीवनशैली एवम् परम्पराहरू पर्यटकका लागि रुचिपूर्ण विषय बनेका पाइन्छन् । पोखरा उपत्यका त नेपालको मात्र नभई विश्वकै सुन्दर प्राकृतिक भूबनोटको स्थान हो । पोखराको भौगोलिक बनावट र भूआकृति एवम् अन्तर्पूर्ण हिमशृङ्खला र पोखरा उपत्यकाका तालतलैयाको सौन्दर्यका बारेमा विदेशी नागरिकले समेत चर्चा गरेका छन् । कतिपयले त पोखराबाट देखिने माछापुच्छेको दृश्यलाई विश्वमै अद्वितीय ठानेका छन् ।

प्राकृतिक सौन्दर्यले युक्त भएर पनि पर्यटकका लागि पोखरा गन्तव्यका रूपमा विकास हुन सकेको छैन । पोखरा उपत्यका विश्वप्रसिद्ध अन्तर्पूर्ण पदयात्रा मार्गको प्रवेश ढोका एवम् विश्रामस्थलका रूपमा बढी परिचित छ । पोखरा उपत्यकाका पर्यटनस्थलको पहिचान, विकास, प्रबर्धन तथा संरक्षणमा जोड दिनु आवश्यक छ । वस्तुतः पोखरा उपत्यका र त्यसका सेरोफेरोमा रहेका नदीनाला, झरना, बनबुट्यान, पशुपन्थी, हिमशृङ्खला, तालतलैया,

फाँट, मैदान, पहाडजस्ता प्राकृतिक सम्पदाबाट पर्यटन विकासमा ठुलो यागदान पुग्ने ठानिएको छ ।

पोखरा विभिन्न जातजाति, भाषाभाषी समुदायको सङ्गम स्थल हो र विविध किसिमका जीवनशैली, लोकपरम्परा र सांस्कृतिक सम्पदाका दृष्टिले समेत धनी छ । विदेशी पर्यटकदेखि आन्तरिक वा रैथाने पर्यटकसम्मलाई पोखरा आएपछि मन लोभ्याउने र छुने दृश्य भनेकै नजिकै देखिने अन्तर्पूर्ण हिमशृङ्खला हो । त्यसमा पनि माछापुच्छे हिमालको छायालाई फेवातालको पानीमा हेँदै डुङ्गामा घुम्नु सामान्य रोमाञ्चक विषयमात्र होइन, अलौकिक आनन्द पनि हो । प्रकृतिप्रेमी पर्यटकले पोखरा उपत्यकाको पूर्वी भेगमा रहेका बेगनास तथा रूपातालका क्षेत्रमा भ्रमण गरी डुङ्गायात्राबाट नै प्राकृतिक जीवजन्तु र वनस्पतिको अध्ययन एवम् जलकीडाको प्रचुर आनन्द लिने गरेको देखिन्छ ।

प्रश्नहरू

अ. पर्यटन क्षेत्रको विकासका लागि नेपालमा केकस्ता साधनस्रोत रहेका छन् ?

आ. पोखरा उपत्यकाको भूबनोटलाई विश्वमै अद्वितीय किन ठानिएको हो ?

इ. प्राकृतिक सौन्दर्यले पूर्ण भए पनि पोखरा पर्यटकका लागि अभै गन्तव्यस्थल बन्न नसक्नाका कारण के हुन् ?

ई. प्राकृतिक सम्पदा र सामाजिक सांस्कृतिक परम्पराले पोखराको पर्यटन विकासमा कस्तो सहयोग पुऱ्याएको छ ?

उ. पर्यटकले पोखरा भ्रमणबाट केकस्ता दृश्यको अवलोकन गर्न सक्छन् ?

Bachelor / 1<sup>st</sup> Semester

Symbol No:

Course Title : Fundamentals of Education

Full Marks: 60

Course Code: Ed. 411

Pass Marks: 30

Time: 3 hrs.

*Candidates are required to give their answers in their own words as far as practicable.**The figures in the margin indicate full marks.***Attempt all questions****Group "A"**

10 X 1 mark =10

Tick ( ✓ ) the best answers

1. In the field of education the word discipline refers to...
  - a. a situation where people are not free
  - b. a branch of knowledge or area of study
  - c. harmony among different ethnic groups
  - d. a learning environment where children are not free
2. Shadow education is a form of ...
  - a. formal education
  - b. informal education
  - c. non formal education
  - d. supportive education
3. Basic level education is an example of...
  - a. Direct and General
  - b. Indirect and individual
  - c. Individual and specific
  - d. Individual and specific
4. Why open and distance learning is important in the context of Nepal?
  - a. Due to its multicultural instability
  - b. Due to its political instability
  - c. Due to its low economic status and geographical diversity
  - d. Due to the advancement of science and technology
5. The field of philosophy which is related with reality is known as
  - a. Metaphysics
  - b. epistemology
  - c. Axiology
  - d. Hedonism
6. Who defines philosophy 'as a theory of education'?
  - a. Auguste Conte
  - b. John Dewey
  - c. William C. Bagley
  - d. G.W. Leibniz
7. 'Back to the nature' is the notion of...
  - a. Idealism
  - b. pragmatism
  - c. Realism
  - d. naturalism
8. Who is known as the father of sociology?
  - a. Herbert Spencer
  - b. Emile Durkheim
  - c. Max Weber
  - d. Auguste Conote
9. Which of the following does not fall under the agency of socialization
  - a. School
  - b. family
  - c. Home
  - d. Information Communication Technology
10. Which of the following commission or project advocates mother tongue education at the first?
  - a. National education commission (NEC)
  - b. Basic and primary education project (BPEP)
  - c. National Education System plan (NESP)
  - d. Nepal National Education planning Commission (NNEPC)

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Bachelor /1<sup>st</sup> Semester

Course Title : Fundamentals of Education

Course Code: Ed. 411

Time: 3 hrs.

Full Marks: 60

Pass Marks: 30

*Candidates are required to give their answers in their own words as far as practicable.*

*The figures in the margin indicate full marks.*

**Attempt all questions**

**Group "B"**

6 X 5 marks =30

**Short answer questions**

1. "Education is a discipline" Justify with examples.
2. Discuss the importance of 'continuing education' in human life.
3. Show the relationship between education and philosophy.
4. Discuss the role of active agencies of socialization to enhance quality education.
5. Elaborate the any five contribution of National Education System plan (NESp) 2028 B.S. in the field of Nepalese education.
5. Illustrate the educative process according to Eastern thought.

**Group "C"**

2 X 10 marks =20

**Long answer questions**

1. Which philosophy is more applicable to solve the instructional problems of Nepalese education? Why. Justify your answer.
1. How best education programs can be implemented in the federal context of Nepal? Why?

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Bachelor / 1<sup>st</sup>Semester

**Symbol No:**

Course Title : Fundamental of Education

Full Marks:60

Course Code: Ed. 411

Pass Marks:30

Time: 3 hrs.

*Candidates are required to give their answers in their own words as far as practicable.*

*The figures in the margin indicate full marks.*

**Attempt all questions**

**Group "A"**

**10 X 1mark =10**

**Tick ( ✓ ) the best answers**

1. The meaning of the term "discipline" basically implies
  - a. Branch of knowledge
  - b. Branch of philosophy
  - c. A sequence of knowledge
  - d. Application of knowledge
2. Which of the following statement represents the broader meaning of education?
  - a. Education is a social process
  - b. Education is a religious process
  - c. Education is a lifelong process
  - d. Education is a process of maturation
3. What are the basic skills in teaching?
  - a. Planning skills
  - b. Motivation skills
  - c. Presentation and evaluation skills
  - d. All of the above
4. Which branch of the philosophy deals with theory of knowledge
  - a. Metaphysics
  - b. Epistemology
  - c. Axiology
  - d. Ethics
5. Which of the following philosophy takes education as the reconstruction of experience?
  - a. Idealism
  - b. Naturalism
  - c. Pragmatism
  - d. Realism
6. Which one is the active agency of socialization?
  - a. Family
  - b. Radio
  - c. T.V.
  - d. Newspaper
7. Emphasis on the present life of the child is the basis of education according to....
  - a. Pragmatism
  - b. Idealism
  - c. Naturalism
  - d. Realism
8. Which agency was influenced mere by the development of education in medieval period in western countries?
  - a. Clubs
  - b. Society
  - c. Community
  - d. Church
9. Internal evaluation became a regular part of evaluation system after the implementation of.....
  - a. NESP 2028
  - b. ARNEC 2018
  - c. NNEPC 2011
  - d. NEC 2049
10. In Nepal the first technical school was opened in,
  - a. 1986 BS.
  - b. 1996 BS.
  - c. 1989 BS.
  - d. 1999 BS.

**TRIBHUVAN UNIVERSITY**

Faculty of Education

2076

Bachelor / 1<sup>st</sup> Semester

Course Title : Fundamental of Education

Course Code: Ed. 411

Full Marks: 60

Pass Marks: 30

Time: 3 hrs.

*Candidates are required to give their answers in their own words as far as practicable.*

*The figures in the margin indicate full marks.*

**Attempt all questions**

**Group "B"**

6 X 5marks =30

**Short answer questions**

1. Explain with examples the major forms of education?
2. Explain the needs and importance of open and distance learning in the context of Nepal.
3. Discuss the contribution of philosophy in education with suitable examples.
4. Define society. Describe the importance of social interaction in brief.
5. Explain the different steps of yoga.
6. In what ways School Sector Development Program (SSDP) is different from School Sector Reform Program (SSRP).

**Group "C"**

2 X 10 marks =20

**Long answer questions**

7. Idealism is the most ancient thought in world of philosophy. Explain the objectives, educative processes and roles of teachers in idealistic education.
8. What do you meant by socialization? Discuss the major agencies of socialization with examples.

## TRIBHUVAN UNIVERSITY

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Symbol No:

Bachelor / 1<sup>st</sup> Semester

Course Title : General English

Course Code: Eng. Ed. 411

Time: 3 hrs.

Full Marks: 60

Pass Marks: 30

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

**Attempt all questions****Group "A"****10 X 1 mark =10**

Tick ( ✓ ) the best answers

1. Which of the following common expression is not prepositional phrase?
  - a. known for
  - b. carry out
  - c. worried about
  - d. example of
2. Which of the following word indicates adverb?
  - a. Lovely
  - b. Strange
  - c. hardly
  - d. round
3. Which of the following word has suffix
  - a. resell
  - b. preview
  - c. email
  - d. effective
4. The meaning of transparent is :
  - a. clear
  - b. atmosphere
  - c. difference
  - d. not communicated
5. The correct forms of the tag, 'Nobody Knows'
  - a. didn't they?
  - b. did they?
  - c. do they?
  - d. do it?
6. The superlative form of the word 'far'.....
  - a. Furthest
  - b. Farest
  - c. Farthest
  - d. Farther
7. Which of the following meanings matches with the underlined word in a sentence, "This is a triumph of faith".
  - a. serious
  - b. fortune
  - c. live
  - d. victory
8. The correct form of the verb in the sentence, Mike enjoys..... golf.
  - a. to play
  - b. plays
  - c. played
  - d. playing
9. Which of the following expressions indicates displeasure?
  - a. who cares!
  - b. Be careful!
  - c. I'm sick of you
  - d. How nice of you!
10. The baby..... very loudly, So I couldn't hear
  - a. was crying
  - b. cried
  - c. cry
  - d. is crying

**TRIBHUVAN UNIVERSITY**

Faculty of Education

2075

Bachelor /1<sup>st</sup> Semester

Course Title : General English

Course Code: Eng. Ed. 411

Time: 3 hrs.

Full Marks: 60

Pass Marks: 30

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

**Attempt all questions**

**Group "B"**

6 X 5 marks =30

**Short answer questions**

1. Complete the sentences using the verbs in the brackets with the present perfect or the past simple.
  - a. Let's go out. The rain..... (stop).
  - b. Alice..... in Newcastle for three years. (live).
  - c. The pop star..... (say) that.....
  - d. They..... (meet) at a party at Windsor castle in 2009
  - e. John Bruce..... (win) three million euros in a lottery.
2. Complete the sentences with an appropriate prepositions.
  - a. She wrote a dissertation..... wild flower conservations in Finland in the 1990s.
  - b. The book is an exploration..... the origins of the economic crisis of 1997.
  - c. He did a study..... the problem of side impact automobile collisions.
  - d. What is Noam Chomsky's book.....?
  - e. Gender differences ..... risk-taking in financial decision making.
3. Make questions by putting the words in the correct order.
  - a. clare/washing/her/is/hair
  - b. did/when/you/her/see
  - c. of/was/the first/America/who/president
  - d. apples/buy/how/did/many/you
  - e. the/time/start/what/game/does
4. Give short answer to the following questions.
  - a. Describe the situation in which the narrator's mother was stung by the scorpion? (Night of the Scorpion)
  - b. Why did Mandela choose the path of reconciliation? (Nelson Mandela)
5. What are the characteristics of the positive teachers? (College Teachers)
6. Describe the message of the story 'The Necklace'. (The Necklace)

**Group "C"**

2 X 10 marks =20

**Long answer questions**

7. Write a letter to your friend who lives in a foreign country describing the marriage custom of your country.
8. Write an essay on "Women Empowerment and Identity".

## TRIBHUVAN UNIVERSITY

Faculty of Education

2075

Bachelor /1<sup>st</sup> Semester

Symbol No:

Course Title : Introduction to Information Technology

Course Code: ICT. Ed. 415

Full Marks: 40

Time: 3 hrs.

Pass Marks: 20

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

Attempt all questions

Group "A"

10 X 1 mark =10

Tick (✓) the best answers

1. Which is the best term for Computer simulated environments – used to describe a wide range of application commonly associated with immersive, highly visual, 3D environment such as in simulation for pilot or combat training?
  - a. Virtual Reality
  - b. Fuzzy logic
  - c. Artificial Intelligence
  - d. Case Based Reasoning
2. Which one is the fastest data access device?
  - a. Cache
  - b. ROM
  - c. RAM
  - d. Register
3. Gain the unauthorized access to data is called:
  - a. Denial of Service (DOS)
  - b. Hacking
  - c. Spoofing
  - d. Morphing
4. Which of the following is an input device?
  - a. Graph Plotter
  - b. Printer
  - c. Mouse
  - d. Scanner
5. Which of device is used to connect multiple computers in star topology?
  - a. Switch
  - b. Router
  - c. RJ-45
  - d. Connector
6. What is the best terminology for buying and selling goods over the Internet?
  - a. e-Commerce
  - b. Intranet
  - c. e-Business
  - d. Extranet
7. Facebook.com is the example of:
  - a. Web portal
  - b. Social media
  - c. Search engine
  - d. Internet site
8. Which key allows us to identify the records uniquely in a database?
  - a. Primary key
  - b. Ternary key
  - c. Secondary key
  - d. Unique key
9. Which of the following device is capable of allowing a single communication channel to carry data transmission simultaneously from many sources?
  - a. Router
  - b. Bridges
  - c. Multiplexer
  - d. MODEM
10. Threats can be classified as unintentional or intentional. Which of the following is/are not an unintentional threat?
  - a. Computer virus
  - b. Environmental Hazards
  - c. Human error
  - d. Computer system failure