

TRIBHUVAN UNIVERSITY

Faculty of Education

2080 (New/Old Course)

Bachelor /1st Semester

Symbol No.:

ICT.Ed.416 Programming Concept with C

Group "A"

10 X 1 mark =10

Attempt all questions

Tick (√) the best answers

- What is the difference between a declaration and a definition of a variable?
 - a definition occurs once, but a declaration may occur many times
 - a declaration occurs once, but a definition may occur many times
 - both can occur multiple times but declaration must occur first
 - both can occur multiple times but definition must occur first
- Which of the following is a valid if-else statement?
 - if ((a == 1) else) {}
 - if (if(a) = 1) {}
 - if (function else (an int)) {}
 - if ((char) a) {}
- Which header file is essential for using strcmp() function?
 - strings.h
 - string.h
 - strcmp.h
 - stdio.h
- Which of the given option is the correct method for initialization "typedef char*string;"?
 - string p = "Hello";
 - string *p = "Hello";
 - char = Hello;
 - typedef string = "Hello";
- Which of the following statement are correct to define array?
 - return_type array_type [NULL];
 - int_num [SIZE] array_return_type
 - data_type array {return_type_SIZE};
 - data_type array_name [SIZE];
- What is the meaning of "int (*p [5])();" declaration?
 - p is function to point pointer
 - p is array of pointer to function
 - p array is and return function
 - p is pointer function to point function of array
- Which of the following is the correct way of declaring a float pointer?
 - float ptr;
 - float* ptr;
 - float *ptr;
 - float ptr*;
- Which of the following is the correct declaration format of function?
 - type_of_return name_of_function (argument type);
 - function_name return_type (argument_type);
 - type_of_return (argument type) function_name();
 - type_of_return, name_of_function (argument type());
- Which is used to open an existing file for both reading and writing?
 - "w"
 - "r+"
 - "w+"
 - "a+"
- Which one of the following is correct syntax for opening a file?
 - file *fopen(const *filename)
 - file *open(const *filename, const char *mode)
 - file *fopen(const *filename, const char *mode)
 - file open(const*filename)



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1. What is the difference between a declaration and a definition of a variable?
 - a. a definition occurs once, but a declaration may occur many times
 - b. a declaration occurs once, but a definition may occur many times
 - c. both can occur multiple times but declaration must occur first
 - d. both can occur multiple times but definition must occur first
2. Which of the following is a valid if-else statement?
 - a. if ((a = =1) else) {}
 - b. if (if(a) = 1) {}
 - c. if (function else (an int)) {}
 - d. if ((char) a) {}
3. Which header file is essential for using strcmp() function?
 - a. strings.h
 - b. string.h
 - c. strcmp.h
 - d. stdio.h
4. Which of the given option is the correct method for initialization "typedef char*string;"?
 - a. string p = "Hello";
 - b. string *p = "Hello";
 - c. char = Hello;
 - d. typedef string = "Hello";
5. Which of the following statement are correct to define array?
 - a. return_type array_type [NULL];
 - b. int_num [SIZE] array_return_type
 - c. data_type array {retrun_type_SIZE};
 - d. data_type array_name [SIZE];
6. What is the meaning of "int (*p [5])();" declaration?
 - a. p is function to point pointer
 - b. p is array of pointer to function
 - c. p array is and return function
 - d. p is pointer function to point function of array
7. Which of the following is the correct way of declaring a float pointer?
 - a. float ptr;
 - b. float* ptr;
 - c. float *ptr;
 - d. float ptr*;
8. Which of the following is the correct declaration format of function?
 - a. type_of_return name_of_function (argument type);
 - b. function_name return_type (argument_type);
 - c. type_of_return (argument type) function_name();
 - d. type_of_return, name_of_function (argument type());
9. Which is used to open an existing file for both reading and writing?
 - a. "w"
 - b. "r+"
 - c. "w+"
 - d. "a+"
10. Which one of the following is correct syntax for opening a file?
 - a. file *fopen(const *filename)
 - b. file *open(const *filename, const char *mode)
 - c. file *fopen(const *filename, const char *mode)
 - d. file open(const*filename)



TRIBHUVAN UNIVERSITY

Faculty of Education

2080 (New/Old Course)

Bachelor /1st Semester

Symbol No.:

Ed. 411 Fundamentals of Education

Group "A"

10 X 1 mark =10

Attempt all questions

Tick (✓) the best answers

- Which of the following statement represents the broader meaning of education?
 - Education is a continuous process
 - Education is a process of learning
 - Education is a adjustment to environment
 - Education is a process of maturation
- "Education is the natural, harmonious and progressive development of man's innate power". Who said?
 - Froebel
 - Socrates
 - Pestalozzi
 - Horne
- Fixation phase of skill learning is related to...
 - Collection of knowledge
 - Development of knowledge
 - Reducing the error
 - Automization of skill
- Philosophy is.....
 - The practical side of education
 - The dynamic side of education
 - The theoretical side of education
 - The education itself
- Idealism considers.....
 - Principle of back to nature
 - Truth is manmade and always changeable
 - Things remains unchanged by our experiencing them
 - Truth, beauty and goodness are absolute
- The process of safe settlement of a dispute is known as.....
 - Assimilation
 - Accommodation
 - Conflict
 - Exchange
- Repressive mode of socialization is.....
 - Freedom centered
 - Interactive centered
 - Punishment centered
 - Reward centered
- Which of the following is first stage of Yoga?
 - Asana
 - Dhoran
 - Niyam
 - Yama
- What is the main objective of primary level of education according to Nepal National Education Planning Commission 2011 B.S.?
 - To develop basic skills
 - To develop social skills
 - To preserve our culture
 - Worthy use of leisure time
- Internal Evaluation become a regular part of evaluation system after the implementation of....
 - NNEPC 2011 B.S.
 - NESP 2028 B.S.
 - ARNEC 2018 B.S.
 - NEC 2049 B.S.



TRIBHUVAN UNIVERSITY

2080 (New/Old Course)

Bachelor / Education /1st Semester

Full Marks: 60

Eng.Ed.411 General English-I

Time: 3 hrs.

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

Attempt all questions

Group "B"

6 X 5 marks =30

1. Choose a word from the list to complete each sentence (make any necessary grammatical changes)

[generate, turn, solid, confirm, identify, underline, character, pose, nature, focus]

- a. She loves to for photographs in front of her fabulous house.
- b. It was difficult to the camera on the flower as it was so small.
- c. The power plant electricity for the whole region.
- d. The murderer was from the fingerprints discovered at the scene.
- e. I called the airline and my reservation.

2. Complete each sentence using the word in brackets in correct form.

- a. Michael Jackson is one of the singers I've ever heard. (good)
- b. If I.....you, I'd be careful about what I said to Soni. (be)
- c. I did not interrupt Sagar because he.....to Ganesh. (speak)
- d. Obama..... the president in 2009. (become)
- e. This time tomorrow, I..... at the hospital. (wait)

3. Make the question by putting the words in the correct order.

- a. a job/has/in New York/my husband/offered/been
- b. decorated/for the wedding,/was/with beautiful yellow and white flowers./the room
- c. of the accident/not/at the moment/known/the cause/is
- d. of/was/the/first/Nepal/who/president
- e. on/a/ever/horse/been/have/you

4. Write short answer to the following questions.

- a. What are two things about which The James Dillingham were proud of? [The Gifts of the Magi]
- b. Who are the diseased teeth in the mouth of Society? And who are the dentists? [Decayed Teeth]

5. Describe the dreadful picture of the war and its effects the writer tries to show in the story. [The Strange Looking Man]

OR

Justify the title 'Start of Kali Yuga'. [Start of Kali Yuga]

6. Why does the poet describe 'a smile' as 'funny'? [A Smile]

OR

Did the goats really bring luck to Sindhu? How?

[The Three Dancing Goats]

Group "C"

2 X 10 marks =20

7. Develop the statement 'Non-violence is the only way to world peace' in about 300 words.
8. Write an essay on 'Importance of ICT in education'.

OR

In your observation, what are the main human qualities that education should offer? Discuss.

TRIBHUVAN UNIVERSITY

2080 (New/Old Course)

Bachelor/ Education /1st Semester
Ed. 411 Fundamentals of Education

Full Marks: 60
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 5 marks =30

1. What are different types of education? Explain any one of them in detail.

OR

Education as discipline. Describe the main characteristics of discipline.

www.bictblogs.blogspot.com

2. Discuss the concept and importance of skill based approach to education.
3. Define philosophy. Describe the implication of schools of philosophy for classroom teacher.

OR

What are branches of philosophy? Explain any one of them.

4. Explain briefly the development of western education in ancient period.
5. Explain the relationship between education and society with suitable examples.
6. Define special needs education. Describe the challenges of this education in the context of Nepal.

Group "C"

2 X 10 marks =20

7. Pragmatism play a very creative and productive roles in the field of education. Explain the objective of education and role of teacher according to this philosophy.
8. Mention the various agencies of socialization. Explain any two active agencies with suitable examples.

OR

Describe the major features of National Educational System Plan (NESP) 2028 B.S.



TRIBHUVAN UNIVERSITY

Faculty of Education
2080 (New/Old Course)

Bachelor /1st Semester

Symbol No.:

ICT.Ed.415 Introduction to Information Technology

Group "A"

10 X 1 mark =10

Attempt all questions

Tick (√) the best answers

1. What is the primary function of the central processing unit (CPU)?
 - a. Store data
 - b. Execute instructions
 - c. Display graphics
 - d. Connect to the internet
2. Which type of software allows users to create, edit, and format text documents?
 - a. Spreadsheet software
 - b. Presentation software
 - c. Word processing software
 - d. Database software
3. What is the purpose of Windows Device Manager?
 - a. Manage printers and scanners
 - b. Update Windows software
 - c. Install new hardware devices
 - d. Monitor system performance
4. What is the function of collaboration software in office automation?
 - a. Facilitate teamwork and communication among users
 - b. Perform complex data calculations and analysis
 - c. Create and manage email accounts
 - d. Store and organize files and documents
5. What is the purpose of a router in a computer network?
 - a. To connect devices within a local network
 - b. To translate IP addresses into domain names
 - c. To connect multiple networks together
 - d. To store and manage network data
6. What is the purpose of an IP address in internet communication?
 - a. To encrypt data transmitted over the internet
 - b. To identify a specific website
 - c. To locate and identify devices on the internet
 - d. To manage internet service providers
7. What is the function of a search engine on the web?
 - a. To display online advertisements
 - b. To provide website hosting services
 - c. To index and retrieve information from the web
 - d. To secure online transactions
8. What is the concept of "least privilege" in computer security?
 - a. Granting users the maximum level of access privileges
 - b. Limiting user privileges to the minimum necessary for their job responsibilities
 - c. Allowing unrestricted access to sensitive data
 - d. Granting administrative privileges to all users
9. What is the purpose of a biometric authentication system?
 - a. To protect against malware attacks
 - b. To prevent physical theft of computer hardware
 - c. To authenticate users based on unique biological characteristics
 - d. To encrypt sensitive data during transmission
10. What is the role of digital payment systems in e-Services?
 - a. Facilitating secure online transactions
 - b. Automating customer support services
 - c. Enhancing data storage and retrieval capabilities
 - d. Enabling social media integration in service platforms



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2080 (New/Old Course)

Bachelor / Education /1st Semester

Full Marks: 40

ICT.Ed.415 Introduction to Information Technology

Time: 3 hrs.

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

Attempt all questions

Group "B"

6 X 5 marks =30

1. Explain the difference between system software and application software.
2. What is the role of the graphical user interface (GUI) in modern computer systems? Discuss the advantages and limitations of GUIs compared to command-line interfaces.
3. Explain the concept of computer networks. Discuss the importance of networking in computer systems.

OR

- What are the key components of a computer network? Explain.
4. Explain the concept of formulas and functions in Microsoft Excel. Discuss the difference between a formula and a function.

OR

- Describe the process of creating and formatting tables in Microsoft Word. Discuss the various features and options available for customizing tables.
5. Define cloud computing and discuss its advantages and disadvantages in the context of information technology.
 6. What is cybersecurity? Explain the importance of cybersecurity in the digital age and discuss common threats.

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Bachelors/ 1stSemester

Symbol No.:

नेपा.शि. ४९९- साधारण नेपाली-९

समूह "क"

१० × १ अङ्क = १०

सबै प्रश्नहरूको उत्तर दिनुहोस् । सर्वोत्त उत्तरमा रेजा (✓) चिन्ह लगाउनुहोस् ।

१. कथ्य भाषाले भाषाको कुन रूपलाई जनाउँछ ?
(क) स्वभाविक (ख) कृत्रिम
(ग) जटिल (घ) अनौपचारिक
२. 'आगो' शब्द कुन स्रोतको शब्द हो ?
(क) तद्भव (ख) तत्सम
(ग) आगन्तुक (घ) ठेट
३. 'डाँडागाउँको साहिँलो दाइ' पदावलीको 'साहिँलो' शब्द कुन शब्दवर्गको हो ?
(क) नाम (ख) सर्वनाम
(ग) विशेषण (घ) अव्यय
४. आफ्नो जिम्मेबारी अरूलाई दिन लेखिएको लिखतलाई के भनिन्छ ?
(क) जाहेरी (ख) मन्जुरीनामा
(ग) तमसुक (घ) राजिनामा
५. समास प्रक्रियाद्वारा निर्माण भएको शब्द कुन हो ?
(क) घरेलु (ख) घरायसी
(ग) घरगृहस्थी (घ) घरैघर
६. दिइएको अनुच्छेद पढेर मुख्यमुख्य कुरा टिपोट गर्नुलाई के भनिन्छ ?
(क) सङ्क्षेपीकरण (ख) प्रतिवेदन लेखन
(ग) बुँदाटिपोट (घ) सारांश लेखन

७. तथ्याङ्कलाई ग्राफमा रेखाद्वारा प्रस्तुत गर्दा बनाइने चित्रलाई के भन्नुपर्छ ?

- (क) वृक्षरेख (ख) रेखाचित्र
(ग) वृत्तचित्र (घ) स्तम्भचित्र

८. 'मातृत्व को चित्कार' कथाको मूलआशय कुन हो ?

- (क) आमाका निमित्त मातृत्व प्रेमभन्दा ठूलो अरू कुनै कुरा हुँदैन
(ख) सुबोधले ममतालाई आत्मिक प्रेम गरेको थियो
(ग) विधवा नारीसँग प्रेम गर्नु अपराध हो
(घ) एउटी असहाय नारीले सहारा खोज्नु स्वाभाविक नै हो

९. 'यात्री' कवितामा कविले कसलाई ईश्वर मानेका छन् ?

- (क) मन्दिरको मूर्तिलाई (ख) पूजा गर्न हिँडेको यात्रीलाई
(ग) पीडित मानिसलाई (घ) नदेखिने भगवान्लाई

१०. 'जीवन : एक प्राध्यापक' निबन्धको प्रमुख आशय कुन हो ?

- (क) शिक्षा नीति समयको अन्तरालमा फेरिइरहन्छ
(ख) सिकाइ निरन्तर चलिरहने प्रक्रिया हो
(ग) हाम्रा शिक्षकहरूमा बोक्ने र छिपछिपे ज्ञान मात्र छ
(घ) पढाइप्रति छात्रछात्राको रुचि देखिन्छ



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समूह "क"

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सबै प्रश्नहरूको उत्तर दिनुहोस् । सर्वोत्त उत्तरमा रेजा (✓) चिन्ह लगाउनुहोस् ।

१. कथ्य भाषाले भाषाको कुन रूपलाई जनाउँछ ?
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७. तथ्याङ्कलाई ग्राफमा रेखाद्वारा प्रस्तुत गर्दा बनाइने चित्रलाई के भन्नुपर्छ ?

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९. 'यात्री' कवितामा कविले कसलाई ईश्वर मानेका छन् ?

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(ग) पीडित मानिसलाई (घ) नदेखिने भगवान्लाई

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