



Khvber PakhtunKhwa Board of Technical Education Peshawar

Diploma in Information Technology

(Part - II)

2<sup>nd</sup> Term Examination 2015

Paper: - E-Commerce & Web Technology

Time Allowed: - 03 Hours.

Max. Marks: - 100

Note: - Attempt any five questions by selecting at least one question from each part.  
All questions carry equal marks. Mobile Phone & Programmable  
Calculators are not allowed.

Part - I

Q.1: - Discuss advantages and disadvantages of E-Commerce.

Q.2:- What are the main services of internet? Explain.

Q.3:- Write complete note on the Internet Protocols.

Part -II

Q.4:- Discuss the structure of HTML program.

Q.5:- Explain table tags with examples in detail. (3 rows and 4 columns)

Q.6:- Write note on the following tags.

- a) <Title > Tag
- b) (Meta> Tag
- c) <Head> Tag
- d) <Font> Tag
- e) <Sub> Tag

Part - III

Q.7: - Write note on Dream Viewer in detail.

Q.8:- What are main steps to create a site in dream viewer.

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**Khyber Pakhtunkhwa Board of Technical Education Peshawar**  
**Diploma in Information Technology**

**(Part - I)**

**2<sup>nd</sup> Term Examination 2015**

**Paper: - Computer Programming C / C++**

**Time Allowed: - 03 Hours.**

**Max. Marks: - 50**

**Note: - Attempt any five questions by selecting at least two questions from each part. All questions carry equal marks. Mobile Phone & Programmable calculators are not allowed.**

**Part - A**

**Q.1:-** Differentiate any five pairs from the given.  
i) Numeric Constant and Integer Constant  
ii) For Loop and Nested For Loop  
iii) Ceil ( ) and floor ( )  
iv) Pre - Increment and Post Increment  
v) Declaring variable and Declaring Constant  
vi) Syntax error and Logical error

**Q.2:-** Write short note on any five from the given.  
a) Link Libraries  
b) Statement  
c) Expression  
d) Pre Processor directive  
e) Reserve Words  
f) Program Compilation

**Q.3:-** Write output for the given expressions.  
a) Sqrt (-64)  
b) Printf ("\*.\*\n\*+\*\n\*\n-.\n\*\*\*\*\*+-.+\n\*\n");  
c) (i) Floor (+14.5)                      ii) ceil (-14.5)  
d) float T = -8.5;  
    Printf (fabs (T));  
e) Printf ("size of char = %d\n", size of (char));

**Q.4:-** Write structure (syntax) for any five from the given.  
a) Body structure of While Loop  
b) Body of Nested - If Statement.  
c) C Program  
d) Switch Statement  
e) For loop with Pre - Increment operator  
f) Injection of Header file.

**Part - B**

**Q.5:-** Write a program that take starting and ending values from user and display all odd numbers in range of given values using do-while loop. 1307

**Q.6:-** a) What is string output function? Write its syntax or structure.  
b) Write any five weaknesses of C- language.

**Q.7:-** a) What is input statement? Write syntax of Scanf ( ) to take float value.  
b) Elaborate relational operators with examples.

**Q.8:-** Write a brief note on counters. Also elaborate its types with general syntax.





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**Diploma in Information Technology**

**( Part – II )**

**2<sup>nd</sup> Term Examination 2015**

**Paper: - Ms-Access**

**Time Allowed: - 03 Hours.**

**Max. Marks: - 50**

**Note: -** Attempt any five questions. All questions carry equal marks. Mobile Phone & Programmable Calculators are not allowed.

**Q.1: -** Define Ms-Access. Explain the environment of Ms-Access.

**Q.2:-** Define the following.

i) Attribute

ii) Primary Key

iii) Record

iv) Field

v) Composite Key

**Q.3:-** Define Query. Write down the procedure of creating query by wizard.

**Q.4:-** Define Report. Explain different sections of report.

**Q.5:-** Define Relationship. Briefly discuss different types of relationship.

**Q.6:-** Explain following field properties in Ms- Access.

**Q.7: -** Define wild cards. Explain any five wild cards.

**Q.8:-** Define and explain Database Security.

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**(Part - II)**

**2<sup>nd</sup> Term Examination 2015**

**Paper: - Introduction to Data Base**

**Time Allowed: - 03 Hours.**

**Max. Marks: - 100**

**Note: - Attempt any five questions. Each question carries equal marks. Mobile Phone & Programmable Calculators are not allowed.**

- Q.1: -a) ✓ What is Database? What are the advantages of modern database?  
b) Differentiate between data and information.
- Q.2: -a) ✓ What are the elements of ERD Model?  
b) What is a relationship explain its various types with the help of appropriate examples.
- Q.3: -a) ✓ What is normalization? What kind of anomalies are removed by normalization?  
b) Explain 1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> Normal Form.
- Q.4:- Define DDL. Also explain Create, Alter, and Drop statement (query) with the help of syntax and examples.
- Q.5:- What is Constraint? Explain Not Null constraint, Primary Key and Unique Constraint with the help of example.
- Q.6: -a) What is the difference between Group by Clause and Order by Clause.  
b) Define key. Explain foreign key with the help of examples.
- Q.7: - ✓ Explain following functions with syntax and suitable examples.  
a) ROUND                      b) TRUNC  
c) LTRIM                        d) RTRIM
- Q.8: - ✓ Write short notes on following.  
i) DBMS  
ii) DATA Control Language

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**(Part – II)**

**2<sup>nd</sup> Term Examination 2015**

**Paper: - E-Commerce & Web Technology**

**Time Allowed: - 03 Hours.**

**Max. Marks: - 100**

**Note: -** Attempt any five questions by selecting at least one question from each part.  
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**Part – I**

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**Part – II**

- Q.4:- Discuss the structure of HTML program.
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**Part – III**

- Q.7:- Write note on Dream Viewer in detail.
- Q.8:- What are main steps to create a site in dream viewer.

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Khyber Pakhtunkhwa Board of Technical Education Peshawar

Diploma in Information Technology

(Part - I)

2<sup>nd</sup> Term Examination 2015

Paper: - Information & Communication Technology (ICT)

Time Allowed: - 03 Hours.

Max. Marks: - 100

Note: - Attempt any five questions by selecting at least two questions from each part. All questions carry equal marks. Mobile Phone & Programmable calculators are not allowed.

Part - I

Q.1: - Differentiate any four pairs from the following.  
a) Local disk and Removable disk  
b) STP and UTP  
c) Server and Client Operating System  
d) Low Level (Binary) and Machine Code  
e) Intel Original Processor and Intel Celeron Processor.

Q.2:- Write short note on any four from the given  
a) Port  
b) Draw basic block diagram of computer  
c) Assembler  
d) Software packages  
e) Algorithm

Q.3:- Convert the following.  
a)  $(00000010)_2 = (?)_{16}$   
b)  $(9F7C)_{16} = (?)_8$   
c)  $(756.75)_8 = (?)_{10}$   
d)  $(1947.125)_{10} = (?)_2$   
e)  $(195F.COD)_{16} = (?)_{10}$

Q.4:- Answer any four from the given.  
a) Computer accepts every kind of data given by user. Why?  
b) It is not necessary that computer generate accurate result each time, when it process same data, why?  
c) Computer passes every job from three stages, why?  
d) Installation is most complex and right click simplest job for computer. Why?  
e) Computer understands 0s and 1s. Why?

Part - II

Q.5:- a) What is output devices? Elaborate its types.  
b) Elaborate computer types with respect to its working.

Q.6:- Elaborate advantages and disadvantages of Internet.

Q.7: - a) Elaborate computer application software with examples.  
b) What is Data? Write its types.

Q.8:- What are storage devices? Elaborate its types with examples.