

DIT PAST PAPERS

2012 TO 2018

BY DIT 1ST SEMESTER
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Khyber Pakhtunkhwa Board Of Technical Education Peshawar
Post Inter Diploma In Information Technology (New Course)**(1st Semester)****2nd Term Examination 2012****Paper:- Office Automation (Ms-Word/Excel/Powerpoint)****Time Allowed:- 03 Hours.****Max. Marks:- 50**

Note:- Section—A is compulsory. it should be attempted on the question paper & will be handed over to the Supdt: after first 20 minutes. cutting, erasing, overwriting & use of pencil is not allowed. Mobile phone & programmable calculators are not allowed.

Section – A**Time:- 20 Minutes****Marks:- 10**

- Q1:-** a) Fill in the blanks. (10)
- i) Shortcut key for "print preview" is _____.
 - ii) Combination of worksheet I called _____.
 - iii) _____ shows different colors pattern of data in a chart.
 - iv) Templates are _____ presentation.
 - v) _____ sign is used in relative cell reference.
- b) Select the correct options.
- i) Range (B2:B7) contain cells _____
a) 2, b) 6, c) 7
 - ii) Default "tab" size spaces include will be _____
a) 0.5 inch b) 1 inch c) 1.5 inch
 - iii) Combination of slides is called _____
a) Presentation b) templates c) workbook
 - iv) CTRL+J is use to _____
a) Join paragraph b) justify paragraph c) none
 - v) Left (Hayatabad, 5) Return characters _____
a) Abad b) Tabad c) Hayat

Time Allowed:- 02 Hrs & 40 Minutes**Marks:- 40****Section B**

Note:- Attempt any four questions. All questions carry 10 marks.

- Q2:-** What is Menus? Explain available menus in ms-word.
- Q3:-** What is table of content (TOC) and write steps to create table of content by using built-in heading style.
- Q4:-** Define cell reference and explain relative absolute and mixed cell references.
- Q5:-** Define and write syntax with example of the following functions used in excel.
- i) Count A ()
 - ii) V lookup ()
 - iii) left ()
- Q6:-** What is design template and write down steps to add sound and music effects to the presentation.
- Q7:-** Write short note on
- i) Foot note & end note
 - ii) formatting tool bar
 - iii) Ms-power point

Khyber Pakhtunkhwa Board Of Technical Education Peshawar
Post Inter Diploma In Information Technology (New Course)

(1st Semester)

2nd Term Examination 2012

Paper:- Computer Programming C/C++

Time Allowed:- 03 Hours

Max-Marks:- 100

Note:- Attempt any five questions. Each question carries equal marks. Mobile phone & programmable calculators are not allowed.

Q1:- state the structure of a C/C++ program. (10)

Q2:- a) what are C/C++ data types. (03)

b) Explain the following data types also write how they are declared.

i) Boolean type (01)

ii) Character type (03)

iii) Integer type (03)

Q3:- a) What do you mean by character constant? Give one example. (05)

b) What is a string constant? Explain with the help of one example. (05)

Q4:- a) Define and explain variable. (05)

b) Write the rules for constructing variable names. (05)

Q5:- Write the purpose of the following functions in one line. (10)

a) Get () function

b) Put () function

c) GETCH () function

d) PUTCH () function

e) Gets () function

Q6:- State about output using COUT and input using CIN by giving one example. (10)

Q7:- a) What is a do-while loop. Explain with the help of an example. (05)

b) What is a break statement? Give one example. (05)

Q8:- a) What does relational operator do, list its different types. (05)

b) Write a C++ program to print first ten numbers. (05)

Note:- In the above stated questions example means write a sample C++ program.

Khyber Pakhtunkhwa Board Of Technical Education Peshawar

Post Inter Diploma In Information Technology (New Course)

(1st Semester)

2nd Term Examination 2012

Paper:-Computer Networking

Time Allowed:- 03 hours

Max-Marks:- 100

Note:- Attempt any five questions. Each question carries equal marks. Mobile phone & programmable calculators are not allowed.

Q1:- Define and discuss telecommunication in detail and why it is important?

Q2:- Write note on client / server network.

Q3:- What is networking? Discuss WAN in detail.

Q4:- Write note on "mesh" and "bus" topologies.

Q5:- Write note on RJ45 and BNC connector.

Q6:- Write note on

- i) Modem
- ii) Hub
- iii) Bridge
- iv) Switch
- v) Router

Q7:- Write note on.

- i) Fiber optic cable
- ii) Coaxial cable

Q8:- Write short note on the following.

- i) Data link layer
- ii) Physical layer

Khyber Pakhtunkhwa Board Of Technical Education Peshawar

Post Inter Diploma In Information Technology (New Course)

(1st Semester)

2nd Term Examination 2013

Paper:-Computer Networking

Time allowed:- 03 hours

Max-Marks:- 100

Note:- Attempt any five questions. Each question carries equal marks. Mobile phone & programmable calculators are not allowed.

- Q1:- Define computer network. Discuss peer – to – peer network and client server network with advantages and disadvantages.
- Q2:- What is network topology? Explain star topology in detail.
- Q3:- Write short notes on the following network devices.
- Q4:- What is OSI model? Explain data link layer in detail.
- Q5:- What are bounded transmission media? Explain briefly UTP (unshielded twisted pair) cable.
- Q6:- Define LAN and WAN. Differentiate between LAN and WAN.
- Q7:- Define IP address. What are different classes of IP addresses.
- Q8:- Write notes on the following.
- i) Modem
 - ii) TCP/IP

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Khyber Pakhtunkhwa Board Of Technical Education Peshawar
Post Inter Diploma In Information Technology (New Course)
(1st Semester)

2nd Term Examination 2013

Paper:-Computer Programming C/C++

Time allowed:- 03 hours

Max-Marks:- 100

Note:- attempt any five questions. Each question carries equal marks. Mobile phone & programmable calculators are not allowed.

- Q1:- a) What is the difference between variable and an identifier? (04)
b) What are the rules for constructing the valid identifier? (04)
c) Which of the following are invalid variable names? (02)

interest-paid, SI-INT, average, percent,
123, Distin km, Float, Name

- Q2:- a) What is expression?
b) What will be the output of the following expression. Determine the hierarchy of operations. (08)

$$x = 4 + 2\% - 8$$

$$x = 2 * \frac{3}{4} + 4/4 + 8 - 2 + 5/8$$

- Q3:- a) What is the difference between nested if-else statement and switch statement. (05)
b) What will be the output of the following code? Explain the output. (05)

```
main ( )  
{ int x=3, y=3;  
  If ( "welcome");  
  Else  
  Printf ("bye bye")  
}
```

- Q4:- Write a program to determine whether the character entered is a capital letter, a small case letter, a digit or a special symbol?

- Q5:- a) What is nested loop? Explain with the help of an example. (04)
b) What will be the out put of the following program code? Explain the output. (06)

```
main ( )  
{  
  Int x=1, y=1;  
  For ( ; ; )  
  {  
    If (x>5)  
    Break;  
    Else  
    Y+ = x;  
    Cout<<endl<<y;  
    X+=y;  
  }  
}
```

Khyber Pakhtunkhwa Board Of Technical Education Peshawar

Post Inter Diploma In Information Technology (New Course)

(1st Semester)

2nd Term Examination 2013

Paper:- Office Automation (Ms-Word/Excel/Power Point)

Time Allowed:-03hrs

max marks:- 50

Note:- Attempt any five questions. All questions carry 10 marks.

Q1:- How we customize the toolbar?

Q2:- Define table. How we insert a table in ms-word.

Q3:- What is difference between header and footer? Give an example of each.

Q4:- a) What is formula?

b) Write meaning and syntax with example of function below

i) Max () ii) Average ()

Q5:- Explain Ms-Power Point Environment.

Q6:- Write down the steps to create a new power point presentation

i) **Work Book** ii) **File Menu** iii) **Data Sort**

Khyber Pakhunkhwa Board Of Technical Education Peshawar**Post Inter Diploma In Information Technology (New Course)****(1st Semester)****2nd Term Examination 2013****Paper:- Information & Communication Technology (ICT)**

Time Allowed:-03hrs

Max Marks:- 100

Note:- Attempt any five questions. All questions carry equal marks. Mobile phone & Programmable calculators are not allowed.

Q1:- What is meant by the word "DATA"? Explain three main types with example.

Q2:- Differentiate between RAM and ROM. Also write different units of computer memory.

Q3:- Software and hardware are the two main components of computer. Explain

Q4:- Explain different computer programming languages.

Q5:- Convert the following.

- i) $(654)_{10} = (?)_2$
- ii) $(1011)_2 = (?)_{10}$
- iii) $(234)_2 = (?)$
- iv) $(456)_{10} = (?)_{10}$

Q6:- Explain the following types of software in your words.

- a) Microsoft Word b) Microsoft Excel

Q7:- Explain ASCII code of computer in detail.

Q8:- Write short note on any two of the following.

- i) Internet uses and misuses
- ii) Computer
- iii) Secondary Memory

Khyber Pakhunkhwa Board Of Technical Education Peshawar
Post Inter Diploma In Information Technology (New Course)**(1st Semester)****1st Term Examination 2014****Paper:-Information & Communication Technology (ICT)****Time Allowed:-03hrs****Max Marks:- 100****Note:-** Attempt any five questions. All questions carry equal marks. Mobile phone & Programmable calculators are not allowed.**Q1:-** Write the difference between data and information explain types of data with examples.**Q2:-** Differentiate between primary memory and secondary memory.**Q3:-** Explain system software with examples.**Q4:-** Write the difference between machine language and high level language.**Q5:-** Convert the following.i) $(369)_{10} = (?)_2$ ii) $(1110)_2 = (?)_{10}$ iii) $(362)_2 = (?)_{10}$ iv) $(963)_{10} = (?)_{10}$ **Q6:-** What is meant by word processor? Discuss environment of Ms-word.**Q7:-** Define expert system. Discuss its various components.**Q8:-** Write short note on any two of the following.

i) Antivirus

ii) Translator Software

iii) Local Area Network (LAN)

Khyber Pakhunkhwa Board Of Technical Education Peshawar
Post Inter Diploma In Information Technology (New Course)

(1st Semester)

1st Term Examination 2014

Paper:-Computer Networking

Time Allowed:-03hrs

Max Marks:- 100

Note:- Attempt any five questions. All questions carry equal marks. Mobile phone & Programmable calculators are not allowed.

Q1:- What is computer network? Explain different types of computer network.

Q2:- Differentiate between peer to peer network and server base network

Q3:- What is the function of following networking devices?

- i) NIC
- ii) Modem
- iii) Bridge
- iv) Router
- v) Switch

Q4:- What is OSI model? Discuss network layer, transport layer and physical layer in detail.

Q5:- What is transmission media? Discuss different wired media briefly.

Q6:- What is the function of connectors in networking. Discuss different types of connectors.

Q7:- What is IP address. Explain ipv4 and ipv6 in detail.

Q8:- Define routed and routing protocols and also explain similarities and differences between them.

Khyber Pakhunkhwa Board Of Technical Education Peshawar
Post Inter Diploma In Information Technology (New Course)

(1st Semester)

1st Term Examination 2014

Paper:- Operating System

Time Allowed:-03hrs

Max Marks:- 100

Note:- Attempt any five questions. All questions carry equal marks. Mobile phone & Programmable calculators are not allowed.

(Part-I)

Q1:- What is operating system? Discuss its role in operating system.

Q2:- Differentiate the following.

- i) Single and multi user operating system
- ii) Desktop Vserver based operating system.

Q3:- Write step by step procedure of windows 7 installation.

Q4:- How to configure a wireless network connectivity on windows 7 client computer?

(Part-II)

Q5:- What are basic recommended requirements for windows server 2008 installation.

Q6:- What is difference between role and feature of windows 2008 server. Also describe some roles and features of windows 2008 server.

Q7:- Write syntax and purpose of following Linux commands.

RM Zip PWD
MKDIR MV

Q8:- Write short note on the following.

- i) Linux directory
- ii) Linux shell

Khyber Pakhunkhwa Board Of Technical Education Peshawar
Post Inter Diploma In Information Technology (New Course)**(1st Semester)****1st Term Examination 2014****Paper:- Computer Programming C/C++****Time Allowed:-03hrs****max marks:- 100****Note:-** Attempt any five questions. All questions carry equal marks. Mobile phone & Programmable calculators are not allowed.**Q1:-** Define language differentiate between c and c++ as language.**Q2:-** Differentiate between variables and constants. Explain their role in a program with an example.**Q3:-** Solve the following by applying priority of operators rules.

i) $a+b/2*c-(d+4)$

ii) $(a+b)/4*d^2+c/2$

Q4:- Write the purpose of the following

i) Printf (), cout

ii) Putch (), putchar ()

iii) Getch (), getche ()

iv) Isotream, stdio

v) Scanf (), cin

Q5:- Write a program to print largest of three numbers.**Q6:-** Explain the difference between if-Else statement and conditional operators with the help of program.**Q7:-** Write output of the giben functions

i) Sqrt ()

ii) Floor ()

iii) Pow ()

iv) Tan ()

v) Strlen ()

Q8:- Write short notes on following.

a) Variable definition rule

b) Reserved words

c) Main ()

Khyber Pakhtunkhwa Board Of Technical Education Peshawar
Post Inter Diploma In Information Technology (New Course)
(1st Semester)

1st Term Examination 2014

Paper:-Office Automation (Ms-Word/Excel/Powerpoint)

Time Allowed:-03hrs

max marks:- 100

Note:- Attempt any five questions. All questions carry equal marks. Mobile phone & Programmable calculators are not allowed.

Section A

- Q1:- Explain ms-word document layout.
- Q2:- a) Write steps to insert new row below the selected row.
b) Write steps to insert hyperlink in ms-word document from menu bar
c) Write steps to save document from menu bar in drive d.
- Q3:- Explain given shortcut keys.
- a) Explain given shortcut keys.
- i) F12
 - ii) Shift+F3
 - iii) Ctrl+2
 - iv) Ctrl+e
 - v) Ctrl+j
- b) i) Write steps to print document from menu bar.
ii) Differentiate between cut and copy.

Section-B

- Q4:-
- a) Elaborate built in function in ms-excel.
 - b) Define the following functions
 - i) min ()
 - ii) max ()
- Q5:- a) in a column "D" we have value from d1 cell to d9. Write formulas of.
- a) Sum b) multiplication c) average

Section -C

- Q6:- Write steps of adding sound and picture in presentation.
- Q8:- a) Define slide and presentation .
b) Write steps to create presentation

Khyber Pakhunkhwa Board Of Technical Education Peshawar
Post Inter Diploma In Information Technology (New Course)
(1st Semester)

1st Term Examination 2015

Paper:-Computer Programming C/C++

Time Allowed:-03hrs

max marks:- 100

Note:- Attempt any five questions. All questions carry equal marks. Mobile phone & Programmable calculators are not allowed.

Part-A

Q1:- Differentiate any five pairs from given.

- i) Signed and unsigned integer
- ii) STRLWR () and STRUPR ()
- iii) Break and continue statement
- iv) Prefix and postfix operator
- v) Declaration time value assignment and run time value assignment

Q2:- Write short notes on any two from the following with example

- 1) for loop
- 2) processor directive
- 3) arithmetic functions

Q3:- Write body structure for any five from the given

- i) NESTED if-else statement
- ii) while loop
- iii) GOTO statement
- iv) declaration of user defined function
- v) print
- vi) C/C++ program structure

Q4:- Write output for any four from given logics

- i)

```
int a=5, b=10;
printf(="b%a=%d/n", b%a);
```
- ii)

```
int n = 10
char='*'
printf(("%d",ch)
printf(("%c",ch);
```
- iii)

```
int i,j;
for (i=1; i<5;i++)
{
For (j=1; j<= i, j++)
Printf(("%");
Printf(("%n");
```
- iv)

```
printf(("%f", ceil (9.9);
```
- v)

```
printf(("%", pow (5,2));
```

Part-B

- Q5:- Write program that take a number from user and show whether it is odd or even using if-else statement
- Q6:- Elaborate while and do while loop in detail with one example.
- Q7:- Elaborate user defined words and reserved words with examples
- Q8:- Elaborate input and output statements. Also write down two functions of each statement.

Khyber Pakhtunkhwa Board Of Technical Education Peshawar
Post Inter Diploma In Information Technology (New Course)
(1st Semester)

1st Term Examination 2015**Paper:-Office Automation (Ms-Word/Excel/Power Point)****Time Allowed:-03hrs****Max Marks:-****100**

Note:- Attempt any five questions. All questions carry equal marks. Mobile phone & Programmable calculators are not allowed.

Section-B

- Q2:- What is page setup? Why it is important? Elaborate its components / options
- Q3:- What is the difference between thumbnail and document map. When these can be useful for a user?
- Q4:- What is view? Explain excel views in detail.
- Q5:- What is function? Write the syntax and purpose of the following sheet functions.
- i) Sum ()
 - ii) Count ()
 - iii) Max ()
 - iv) Average ()
- Q6:- What is presentation? Write steps to insert a slide. Write names of slide views.
- Q7:- Write short notes on any two of the following.
- a) Master slide
 - b) Header and footer
 - c) Slide from files

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Khyber Pakhunkhwa Board Of Technical Education Peshawar
Post Inter Diploma In Information Technology (New Course)**(1st Semester)****1st Term Examination 2015****Paper:-Information & Communication Technology (ICT)****Time Allowed:-03hrs****max marks:- 100****Note:-** Attempt any five questions. All questions carry equal marks. Mobile phone & Programmable calculators are not allowed.**Q1:-** Define information technology. Explain with different elements**Q2:-** Define memory. Discuss primary memory in detail.**Q3:-** Discuss types of computer in detail.**Q4:-** What is computer language? Explain types of computer language in detail**Q5:-** Convert the given numbers system to its required number system.i) $(111)_2 = (?)_{10}$ ii) $(10)_{10} = (?)_8$ iii) $(5.5)_8 = (?)_2$ iv) $(AF)_{16} = (?)_{10}$ **Q6:-** Converts the given numbers system to its required number system.i) $(16.5)_8 = (?)_{10}$ ii) $(54)_{10} = (?)_2$ iii) $(110.1)_2 = (?)_{10}$ iv) $(24)_{16} = (?)_8$ **Q7:-** Explain the following in detail.

i) Networks

ii) Anti virus

Q8:- Discuss the following.

i) Translator software

ii) Input devices

Khyber Pakhunkhwa Board Of Technical Education Peshawar
Post Inter Diploma In Information Technology (New Course)

(1st Semester)

1st Term Examination 2015

Paper:-Operating System

Time Allowed:-03hrs

max marks:- 100

Note:- Attempt any five questions. All questions carry equal marks. Mobile phone & Programmable calculators are not allowed.

Part-I

- Q1:- Explain the main function of an operating system in detail.
Q2:- Discuss the important features of window 7.
Q3:- Write note on disk partitioning and volume setting in window 7.
Q4:- a) Write the steps to insert sound card in window 7.
b) Explain the text base and GUI operating system.

Part-II

- Q5:- Discuss windows server 2008 in detail.
Q6:- Write note on group policy.
Q7:- Write note on file system of LINUX.
Q8:- Write note on following LINUX commands.
i) Cat
ii) Head
iii) Tail

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DITSYLLABUSWITHPREVIOUS PAPERS

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Khyber Pakhunkhwa Board Of Technical Education Peshawar

Diploma In Information Technology

(1st Semester)

1st Term Examination 2015

Paper:-Computer Networking

Time Allowed:-03hrs

Max Marks:- 50

Note:-

Attempt any five questions. All questions carry equal marks. Mobile phone & Programmable calculators are not allowed.

- Q1:- Define "computer network"? for what purposes we do networking?
Q2:- What is function of hub? Discuss different types of Hubs.
Q3:- What is LAN? Discuss uses and components of LAN.
Q4:- What is connector? Discuss three types of connector.
Q5:- What is wireless media? Why is it used? Also describe various wireless media.
Q6:- Compare the following.
i) LAN Vs WAN ii) Wired Network Vs wireless network
Q7:- Briefly describe seven layers of OSI model.
Q8:- Write short note on any two of the following.
i) Network topology & its types ii) sub netting
iii) peer-to-peer network

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Khyber Pakhtunkhwa Board of Technical Education Peshawar
Diploma in Information Technology

(Part - 1)

1st Term Examination 2016

Paper:- Information & Communication Technology (ICT)

Time Allowed:- 03 Hours.

Marx. Marks:-

100

Note:- Attempt any five questions. All questions carry equal marks.

Q1: Explain storage devices with examples.

Q2: Write a detail note on data types of data.

Q3: Convert the following.

- a) $(727)_8 = (?)_2$
- b) $(6.27)_8 = (?)_{10}$
- c) $(ACA)_{10} = (?)_8$
- d) $(1111.11)_2 = (?)_{10}$

Q4: What do you know about spread sheets? Discuss environment of spread sheet.

Q5: Discuss about computer languages, Explain its different types.

Q6: Write a detail note on network devices.

Q7: Differentiate between application software and system software. Discuss different types of application software.

Q8: Write a note on any two of the following.

- a) Translators
- b) History of Computer
- c) Output devices

Khyber Pakhtunkhwa Board of Technical Education Peshawar**Diploma in Information Technology****(Part – I)****1st Term Examination 2016****Paper:- Computer Networking****Time Allowed:- 03 Hours.****Marx. Marks:- 50****Note:- Attempt any five questions. All questions carry equal marks. Mobile phone & programmable calculators are not allowed.**

- Q1: Define term "Computer Network"? Write note on importance of networking in business organization now-a-days.
- Q2: What is protocol? Write note on any three protocols.
- Q3: What is subnetting? Why subnetting is used?
- Q4: What is "Network Topology"? Enlist different types of topologies. Discuss only the best one.
- Q5: What is wireless Network? Write features of wireless network.
- Q6: What is Hub? In which topology it is used? Discuss types of hubs.
- Q7: Briefly explain application and physical layers of OSI model.
- Q8: Write short note on any two of the following.
i) Routing & Routed Protocol ii) Types of twisted pair cable
iii) Client and Server

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Khyber Pakhtunkhwa Board of Technical Education Peshawar
Diploma in Information Technology

(Part – 1)

1st Term Examination 2016

Paper:- Office Automation (MS-Word/Excel/PowerPoint)

Time Allowed:- 02 Hrs & 40 minutes

Marx. Marks:- 40

Part-B

Note:- Attempt any four questions by selecting at least one question from each section. All questions carry equal (10) marks.

Section – A

- Q2:- a) What is difference between save and save As.
b) Write difference between Redo and Undo.
- Q3:- Define the role of Find, Replace in Ms – word document.
- Q4:- a) Write the functions of the following short keys.
i) F12 ii) Ctrl + B iii) Ctrl + A
iv) Alt + F + O v) Ctrl + R
b) Differentiate the following.
i) Comments and Track Changes
ii) Document Map and Thumb Nail
iii) Reading Layout and Print Layout

Section – B

- Q5: a) Define spread sheet. Define the function of Find and Replace with sheet.
b) Write steps to insert a header and footer in sheet.
- Q6: Write syntax and purpose of the given functions with example.
i) UPPER () ii) LOWER ()
III) IF () iv) ROUND ()
- Q7: Write procedure to set slide background and theme effect.
- Q8: a) Define template. Write steps to apply a given template from template window.
b) Write steps to set action for slide show switching one after another automatically.

Khyber Pakhtunkhwa Board of Technical Education PeshawarDiploma in Information Technology(Part - I)1st Term Examination 2016Paper:- Computer Programming C/C++

Time Allowed:-

3 Hours.

Marx. Marks:-

50

Note:-

Attempt any five question. All questions carry equal marks.

- Q1: a) What is the difference between C and C++.
 b) Write the weakness of C.
 c) Explain each part of the following.
 i) `int varint` ii) `char varch = 65;`
- Q2: Write a program to find out the factorial of a number 6.
- Q3: Write a program to display the square of even numbers of range with 1 to 20.
- Q4: a) Describe the relational and conditional operators with proper examples.
 b) What will be the output of the following program?
 Main()

```

{
    Int k = 35;
    Printf ("%d%d%d", k==35, k=50, k>40);
}
```
- Q5: Explain the following functions.
 i) `Scant ( )`
 ii) `Printf ( )`
 iii) `Gets ( )`
 iv) `Puts ( )`
- Q6: What is the difference between for loop and while loop.
- Q7: Explain with examples the following functions.
 i) `ABS ( )` ii) `SQRT ( )`
 iii) `Strlen ( )` iv) `exp ( )`
 v) `pow ( )`
- Q8: Write a program to display the following outputs using a loop statement

```

1
1 2
1 2 3
1 2 3 4
```

Khyber Pakhtunkhwa Board of Technical Education Peshawar
Diploma in Information Technology
(Part – I)
1st Term Examination 2016
Paper:- Operating System

Time Allowed:-

3 Hours.

Marx. Marks:-

50

Note:-

Attempt any five questions. At least two questions from each part. All questions carry equal marks. Mobile phone & programmable calculators are not allowed.

(Part – I)

- Q1: Define Operating system? Discuss its main function in detail.
- Q2: Write note on disk management in window 2007.
- Q3: Write the steps to configure the printer in window 7.
- Q4: Discuss the important features of window 2007.

(Part – II)

- Q5: Explain window server 2008 in detail.
- Q6: What is file system? Explain its types.
- Q7: Discuss group policy with types.
- Q8: Write note on following linux commands.
i) Tail
ii) Head
iii) Cat
- *****

Khyber Pakhtunkhwa Board of Technical Education Peshawar
Diploma in Information Technology
(Part - I)
2nd Term Examination 2016
Paper:- Computer Programming C/C++

Time Allowed:- 3 Hours.

Max. Marks:-

50

Note:- Attempt any five questions. All questions carry equal marks.

- Q1: Explain structure of C/C++ program. Also write any five differences between C and C++ languages.
- Q2: Define " Reserve Word" explain any three reserve words.
- Q3: Discuss different data types used in C++ language.
- Q4: Write a program that display largest of two number using conditional operator.
- Q5: What is preprocessor directive? Discuss any two preprocessor directives.
- Q6: Write note on the following.
i) Increment and decrement operator
ii) Function prototype
- Q7: Write program that display first ten odd numbers in descending order using while loop.
- Q8: Write syntax and purpose of following built-in function
i) Strlen ()
ii) ABS ()
iii) Strlwr ()

Khyber Pakhtunkhwa Board of Technical Education Peshawar
Diploma in Information Technology
(Part – I)
2nd Term Examination 2016
Paper:- Office Automation (Ms-Word/Excel/PowerPoint)

Time Allowed:- 02 Hrs & 40 minutes Max. Marks:- 40

Part - B

Note:- Attempt any four questions by selecting at least one question from each section below. All questions carry equal (10) marks.

Section – A

- Q2: Explain the following.
i) Bullets and Numbering ii) Find and Replace
- Q3: Differentiate between "Save" and "Save As" commands. Also write the shortcut key combinations of them.
- Q4: Write short note on any two of the following.
i) Advantages of Ms-Word ii) Change Case
iii) Spelling and Grammar Check iv) Header and Footer

Section – B

- Q5: Explain the following with the help of figures / illustration.
i) Worksheet ii) Column
iii) Row iv) Cell Address
v) Chart
- Q6: Explain the following functions with examples.
i) Sum () ii) Average ()
iii) Lower () iv) Count ()
v) Count Blank ()

Section – C

- Q7: Explain slide and presentation.
- Q8: What are the benefits of adding pictures and Graphics in power point presentation?
Write the procedure of inserting a picture in Ms – Power Point.

Khyber Pakhtunkhwa Board of Technical Education Peshawar
Diploma in Information Technology
(Part – I) e
2nd Term Examination 2016
Paper:- Operating System

Time Allowed:- 03 Hours

Max. Marks:- 50

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

(Part – I)

- Q1: What is Operating System? And what are the functions of Operating System.
- Q2: What are the main steps for the installation of Windows 7?
- Q3: Discuss "Delegating Administrative Control of Group Policy" in detail.
- Q4: Write short note on the following.
a) Primary Partition
b) Device Drivers
- Q5: Write the main features of Windows Server 2008 in detail.
- Q6: What is File System? Discuss the file system of Linux.
- Q7: Write the main steps to install active directory.
- Q8: Define the following Linux Commands with syntax.
i) rmdir
ii) sort
iii) who
iv) write
v) head

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Khyber Pakhtunkhwa Board of Technical Education Peshawar
Diploma in Information Technology

(Part -I)

2nd Term Examination 2016

Paper:- Information & Communication Technology (ICT)

Time Allowed:-

03 Hours

Max. Marks:-

100

Note:-

Attempt any five questions. All questions carry equal marks.

Q1:

Write short notes on any four from the following.

- | | |
|---------------------|------------------------|
| a) Operating System | b) History of Computer |
| c) Translators | d) Storage devices |
| e) Expert System | |

Q2:

Differentiate any four pairs from the following .

- Fiber Optic and Co-axial Cable
- Guided Media and Un-Guided Media
- Spread Sheets and Word Processors
- BCD Codes and Uni-Code
- Flowcharts and Algorithm

Q3:

Convert the following.

- $(101110.1110)_2 = (?)_{10}$
- $(8953.54)_{10} = (?)_8$
- $(353.74)_8 = (?)_{10}$
- $(3DAC.CA)_{16} = (?)_{10}$
- $(5372)_8 = (?)_2$

Q4:

Answer any four from the given.

- Computer understands only machine language. Why?
- Computer is called dummy machine. Why?
- Computer cannot run without operating system. Why?
- Compiler is fast than interpreter. Why?
- Nowadays internet play key role in our society. Why?

Q5:

- What is computer? Elaborate its types.
- Elaborate different types of data.

Q6:

Define network topology. Differentiate its types.

Q7:

- Elaborate Secondary Storage Devices with examples.
- What is flow charts? Write its types.

Q8:

What is Computer Programming Language? Explain its types.

Khyber Pakhtunkhwa Board of Technical Education Peshawar
Diploma in Information Technology
(Part –I)
2nd Term Examination 2016
Paper:- Computer Networking

Time Allowed:- 03 Hours

Max. Marks:- 50

Note:- Attempt any five questions. All questions carry equal marks. Mobile phone & programmable calculators are not allowed.

- Q1:** What is Computer Network? Explain different types of Computer Network.
- Q2:** Define communication mode? Discuss different modes of communication with examples.
- Q3:** What is Hub? Explain different types of Hub.
- Q4:** Discuss the unshield Twisted Pair (UTP) and Shield Twisted Pair (STP) cables in detail.
- Q5:** Define Wireless Media. Discuss requirements of wireless communication with LAN's
- Q6:** Differentiate Presentation Layer and Session Layer.
- Q7:** What is IP address? Discuss different classes of IP addresses.
- Q8:** Write short note on any two of the following.
- i) Baud Rate ii) MAN
- iii) OSI Model
