Post Graduate Diploma in Computer Application (PGDCA) Examination

FUNDAMENTALS OF COMPUTER AND INFORMATION TECHNOLOGY

Duration : 3 Hours   [Max Mark : 100]
[Min Pass Mark :40]

funZk %

1- izu i= 5 bdkb;kaeafoHkkftr gA iR;d bdkbZesvkUrfjd fodYi fn;k x;k gA
2- iR;d bdkbZls,d izu dk mRrj nhft,A bl idkj dy 5 izukadsmRrj nhft,A
3- lHkh izuksdsfy, leku vad fu;r gA
4- tgkWvko’;drk gksogWMkVk ekuk tk ldrk gA
5- vupkn esfolxfr gksusij vxzth Lo: i dkslgh ekuk tk,A
6- izu i= dsfo:} vkifRr] ;fn dkbZ gkstrks izu i= gks tkus ds i’pkr foHkkxk/;{k/ iHkkjh v/;;u laLFkk d ek/;e lsiLrqr dh tk,A izu i= dk cfg”dkj fdlh Hkh ifjfLFkfr esifj{kkfFkZ;ka}kjk u fd;k tk,A

Instruction :

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2. Attempt one question from each unit. Thus attempt five questions in all.
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bdkbZ I Unit I

1. (V) dEI;Wj flLVe dsxqkks dk o.ku dhft,A dEI;Wj dh {kerkvkavkarkS lhekvkaij fVIi.kh dhft,A

   What are the characteristics of Computer System ? Write a brief note on computers capabilities and limitation.

   (C) Micro, Mini, Mainframe rFkk Super computer dh rqyuk dhft,A

   Compare Micro, Mini, Mainframe and Super computer.

2. (V) dEI;Wj dh fofHkUu ihf<;ksadh eq[; fo’k"krkvkadh foopuk dhft,A iR;d dk mnkgj.k nhft,A

   Discuss the importance features of various generation of computer. Give example each generation.

   (C) Desktop, Notebook, PC rFkk Workstation dh rqyuk dhft,A

   Compare Desktop, Notebook, PC and Workstation.

bdkbZ II Unit II

1. fuEu dh dk;Ziz.kkyh dk o.kZu : Explain the working principles of the following :
   (a) MICR   (b) OCR   (c) OMR
   (d) TOUCH SCREEN   (e) DIGITAL CAMERA

4. (V½ Dot Matrix, Daisy Wheel rFkk Laser Printer dh rqyuk dhft,A
   Compare Dot Matrix, Daisy Wheel and Laser Printer.

   (C) ekfuVj ds xq.kksa dk o.kZu dhft,A
   What are the characteristics of Monitor?

bdkbZ III Unit III

5. (V½ fofHkUu MkVk Hk.Mkj.k ,oa iqu%LFkkiu fof/k;ksa dk o.kZu dhft, vkSj mnkgj.k Hkh nhft,A
   Explain about various data storage and retrieval methods and also give example.

   (C½ Viruses ds fofHkUu izdkj dk o.kZu dhft,A
   Explain about various types of Viruses.

6. fuEu dh dk;Ziz.kkyh dk o.kZu dhft, %Explain the working principles of the following :
   (a) Magnetic Tape   (b) Magnetic Disk   (c) Hard Disk Drive
   (d) VCD   (e) Zip Drive

bdkbZ IV Unit IV

7. (V½ System Software ,oa Application Software dh rqyuk dhft,A
   Compare System Software and Application Software.

   (C½ Machine, Assembly, High level ,oa 4GL Hkk"kkvksa dh rqyuk dhft,A
   Compare Machine, Assembly, High level & 4GL Language.

8. (V½ Compiler,Assembler ,oa Interpreter dh rqyuk dhft,A
   Compare Compiler,Assembler & Interpreter.

   (C½ Database Management Software D;k gS\ mnkgj.k lfgr le>kb,A
   What is Database Management Software ? Explain with example.

bdkbZ V Unit V

9. (V½ Modem D;k gS? bl dh dk;Zfof/k ,oa xq.kksa dk o.kZu dhft,A
   What is Modem? Explain its Working and characteristics.

   (C½ LAN ds vko';d vo;o dkSu ls gS\
   What are the essential components of LAN?

10.(V½ fofHkUu LAN Topologies dk o.kZu dhft,A
   Explain various LAN Topologies.

   (C½ ISDN, Leased Line rFkk Dial-up connections dh rqyuk dhft,A
   Compare ISDN, Leased Line and Dial-up connections.

Post Graduate Diploma in Computer Application (PGDCA) Examination

OPERATING SYSTEM (DOS,LINUX,WIN-98,WIM NT)

Duration : 3 Hours

[Max Mark : 100]
[Min Pass Mark :40]

funŞk %

1. iÍu i= 5 bdkb;kaeafoHkkftr gA iR;d bdkbZesvkUrjid fodYi fn;k x;k gA
2. iR;d bdkbZls,d iÍu dk mRrj nhft,A bl idkj dy 5 iÍukadsmRrj nhft,A
3. lHkh iÍuksdsfy, leku vad fu;r gA
4. tgkW vko';drk gksogW MkVk ekuk tk ldrk gA
5. vuqokn esfolaxfr gksusij vaxzth Lo: i dkslgh ekuk tk,A
6. iÍu i= dsfo: } vkifRr] ;fn dkbZ gk¡rks iÍu i= gks tkus ds i'pkr foHkkxk/;{k/ iHkkjh v/;;u laLFkk d ek/;e lsiLrqr dh tk,A iÍu i= dk cfg"dkj fdlh Hkh ifjfLFkfr esifj{kkfFkZ }kjk u fd;k tk,A

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bdkbZ I Unit I

1. (V½ vki jfVax fl LVe dksifjHkkf"kr dhft, rFkk vki jfVax fl LVe dsfofHkUu dk;ZD;k gÈ?

   Write the definition of Operating System and what are the various functions of Operating System?

   (C½ POST dh ifdz;k dksle>kb;A

   Describe the process of POST.

2. (V½ Disk dh lajpuk cukvkarFkk ml ds Storage concept dh 0;k[;k dhft,A

   Draw the structure of Disk and explain it's storage concepts.

   (C½ fuEu dek.Mkadksmudsfl UVDI l fgr Li"V dhft,A

   Explain the following commands with synrex :
   (i) APPEND   (ii) ATTRIB
   (iii) DOSKEY   (iv) SORT

bdkbZ II Unit II

3. (V½ vki Graphical User Interface l sD;k l e>rsgksrFkk Windos 98 Install djusdsfy, D;k&D;k Hardware dh vko';drk gksrh gS\

What do you know about GUI(Graphical User Interface) and what are the minimum hardware reuire to install the Window 98 ?

(C½ fuEu ij I f{klr esfyf[k, %Write short notes on:
     (i) Notepad   (ii) Calculator

4.   fuEu dks I e>kb;s% Explain the following :
     (a) Media Player   (b) Windows Explorer
     (c) Control Pannel   (d) Recycle Bin.

bdkbZ III Unit III

5.   fuEu System tools dks I e>kb;s% Explain the following System tools:
     (a) System Monitor   (b) Drive Converter (FAT 32)
     (c) Disk Defrag mentor   (d) Scan Disk

6.(V) vki OLE I sD;k I e>rs gS\ vki nks object dks dS sfyd djxs\
    What do you understand by OLE ? How you will link the two objects?

(C½ fuEu communication vo;o tks Windos 98/95 es present gS%mi fLFkr g% I e>kb;s%
    Explain following communication component that is present in windos 98/95 :
     (i) Dial-up Networking   (ii) Hyper Terminal.

bdkbZ IV Unit IV

7.   Linux dh I jpuk dks cukb;s rFkk mI dsfofHkUu xqkks dh 0;k[;k dhft,A
    Draw the structure of Linux and describe it's various features.

8. (V½ vki Linux ds duy dsckjs esD;k tkurs gS\ mI dsfofHkUu xqkks dksfyf[k,A
    What do you know about the Linux Kernel ? Write its functions.

(C½ Linux dsfy, de I sde hardware dh t;jr D;k gksxh rFkk Linux dsfofHkUu flavours dh List Hkh nhft,A
    What are the minimum hardware requirement for Linux and give the list of various flavours of Linux?

bdkbZ V Unit V

9. (V½ Linux ds multiprocessing xqk dksfoLrkjiwd I e>kb;A
    Describe the multiprocessing feature of Linux in detail.

(C) Window NT dsfofHkUu xqkks dks I e>kb;A
    Explain the various features of Window NT.

10.(V) fuEu dks syntax I fgr I e>kb;s% Explain following with syntax:
     (i) Mail   (ii) Write (iii) Lat (iv) Chmod   (v) Uucp

(C) Vi-Editor dsfofHkUu commands dks I e>kb;A
    Explain various commands of Vi-Editor.

Post Graduate Diploma in Computer Application (PGDCA) Examination

PC PACKAGES (MS WORD, MS EXCEL, MS-POWER-POINT)

Duration: 3 Hours   [Max Mark: 100]

[Min Pass Mark: 40]

funZk %

1- iʌu i= 5 bdkb;kaesfoHkkftr gA iR;sd bdkbZesvkUrfjd fodYi fn;k x;k gA
2- iR;sd bdkbZls,d iʌu dk mRrj nhft,A bl izdkj dqy 5 iʌukadsmRrj nhft,A
3- lHkh iʌuksdsfy, leku vad fu;r gA
4- tgkWvko';drk gksogWMkVk ekuk tk ldrk gA
5- vuqokn esfoloxfr gksusij vxzth Lo: i dkslgh ekuk tk,A
6- iʌu i= dsfo: } vkifRr] ;fn dkbZgksrksiʌu i= gks tkusds i'pkr foHkkxk/;{k/ iHkkjh v/;;u lLFkk d ek/;e lsiLrqr dh tk,A iʌu i= dk cfg"dkj fdlh Hkh ifjfLFkfr esifj{kkfFkZ;ka}kjk u fd;k tk,A

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bdkbZ I Unit I

1. (V) MS Word es Document dsfuekZk ,oafiUV djusgrqdec} inkadksfyf[k,A
   Write down the sequence of step to create and print document in MS-Word.

   (C) MS Word esmifLFkr "gMj ,oaQWj" lqfo/kk dk o.kLu dhft,A
   Explain "Header and Footer" facility available in MS-Word.

2. MS Word esfuEufyf[kr dksfoLrkj lsle>kb;s% Explain in detail the following in MS Word :
   (a) Editing of a Document.
   (b) Paragraph Formatting.

bdkbZ II Unit II

3. MS Word esmifLFkr "ey&etZ" lqfo/kk lsvki D;k le>rsgSa\ mfpr mnkgj.k nsdj le>kb;A
   What is mean by "Mail Merge" facility available in MS Word? Explain using suitable example.

4. fuEufyf[kr dk foLrkj lso.kLu dhft, % Elaborate the following :

(a) Templates and Wizards.
(b) Table Handling in MS-Word.

bdkbZ III Unit III

5.(v) "MS-Excel" dsec[; xqkksdk mYy{k dhft,A
Write down the significant of "MS-Excel".

(c) "MS-Excel" esmifLFkr "Tools Bars" dksl e>kb;A
Explain in MS-Excel the "Tool Bars".

6. eYVhiy odZkhV esfdl idkj dk;Zdjxs\ mfpr mnkgj.k ndj le>kb;A
How do you working with multiple work sheets? Explain given example.

bdkbZ IV Unit IV

7. (v) "MS-Excel" esmi;kx fd, tkus okys "absolute and cell addressing" esmfpr mnkgj.k }kjk vUrj Li"V dhft,A
Distinguish between "absolute and cell addressing", giving suitable example in MS-Excel.

(c) MS-Excel esmifLFkr "gMj ,oa QWj" lfo/kk dksl e>kb;A
Explain "Header and Footer" facility of MS-Excel.

8. mfpr mnkgj.k nrsMS-Excel esmifLFkr fuEufyf[kfr dksl e>kb;s%
Expalin the following in MS-Excel using suitable example.
(a) Data and time Functions
(b) Auto Sum
(c) Currency Sign
(d) Auto Formal

bdkbZ V Unit V

9. (v) MS-Power Point esslide master ds}kjk iLrqVSku fdl idkj cuk,xsA
Write steps to create a presentation using slide master in MS-Power Point.

(c) MS-Power Point dsfofHkUu 0;wdh 0;k[;k dhft,A
Explain various views of MS-Power Point.

10. fuEufyf[kfr dksl e>kb;s%Expalin the following :
(a) Pack and Go Wizard.
(b) Transition Effect
 (c) Template Facility.

Post Graduate Diploma in Computer Application (PGDCA) Examination

DBMS PROGRAMMING IN FOXPRO

Duration: 3 Hours

[Max Mark: 100]
[Min Pass Mark: 40]

fun?k %

1- i?u i= 5 bdkb;kaeafoHkkftr gA i?;d bdkbZesvkUrfjd fodYi fn;k x;k gA
2- i?;d bdkbZls,d i?u dk mRrj nhft,A bl idkj dy 5 i?ukadsmRrj nhft,A
3- lHkh i?uksdsfy, leku vad fu;r gA
4- tgkWvko';drk gksogWMkVk ekuu tk ldrk gA
5- vuqokn esfol xfr gkssij vxzth Lo: i dks lgh ekuk tk,A
6- i?u i= dsfo: } vkifRr] ;fn dkbZ gksjrksi?u i= gks tkuskds i'pkr foHkkxk/;{k/ iHkkkjh v/;;u l Fkk dsek/;e l siLrRq dh tk,A i?u i= dk cfg"dkj fdl h Hkh ifjfLFkfr esifj{kkfFkZkadj}kjk u fd;k tk,A

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bdkbZ I Unit I

1. (v½ QkDI itseami yC/k Data type dksmnkgj.k l fgr l e>kb;A

Explain the various Data type available in FoxPro with suitable example.

(C½ fuEu fyf[kr dksmnkgj.k l e>kb;s%

Explain the following with suitable example:
(i) CREATE   (ii) LIST   (iii) APPEND
(iv) DISPLAY STRUCTURE   (v) BROWSE.

2. (v½ QkDI itsD;k gS\ QkDI itsdsehuwfl LVe dksl e>kb;A

What is Foxpro ? Explain the menu system of FoxPro.

(C½ Memo Field D;k gS\ mnkgj.k l fgr foLrkj l l e>kb;A

What is Memo Field ? Explain in detail with suitable examples.

bdkbZ II Unit II

3. (v½ Serting D;k gS\ l e>kb;A

What is sorting? Explain.

Explain Single and Multiple key Sorting with example.

(C½ Foxpro ea report dS scukrsgS\ Grouping and subgrouping dks I e>kb;A
How can you creat the report in FoxPro? Explain grouping and
sub grouping.

bdkbZ III Unit III

5. (v) Foxpro esmi yC/k dkbZ iklp Mathematical rFkk dkbZ rhu Statistical function ds
mnkgj.k Hkh I e>kb;A
Explain any five Mathematical and Statistical function available in FoxPro
with suitable example.

(C) dh&ckNZ eidks dh mi;ksxrk I e>kb;A
Explain the use of key Board Macros.

6. (v) Array D;k gS\ Foxpro esmi yC/k fofHkUu idkj ds Array dks I e>kb;A
What is Array? Explain the various type of Array available in Foxpro.

(C) Variable I svki D;k I e>rsgS\ Memory variable, private variable and public
variable dks I e>kb;A
What do you mean by variable? Explain Memory variable, private variable
and public variable.

bdkbZ IV Unit IV

7. (v) fuEu dks I e>kb;s% Explain the following :
(i) Scan-Endscan   (ii) Macro Substitution.

(C) 0 I s 100 ds chp I eLr ikbe uEcjka dks fiaV djus dk iksxkz fyf[k,A
Write a program to print the prime number between 0 to 100.

8. (v) Foxpro es programming ds nkSjku gksus okyh errors dkSu I h gS\ mnkgj.k nsdj I e>kb;A
What are the various types of errors accur during programming in FoxPro?
Explain with example.

(C) fuEufyf[kr I kj.kh dk ;ksx Kkr djus gsrq iksxkz fyf[k,A
Write a program to find the sum of the following series:
0,1,1,2,3,5,8.....................

bdkbZ V Unit V

9. (v) Foxpro es multiple database file dh mi;ksxrk ij I af{kIr fVIi.kh fyf[k,A
Write the short note on the use of multiple database files in Foxpro.

(C) Address Database ea Data entry djus gsrq ,d menu driven program fyf[k, ftI e
fuEufyf[kr feild gks%
Write a menu driven program in Foxpro to enter the data in Address
Database have the following field :
Name,   Address,   city,   Pin, E-mail

10. (v) fuEufyf[kr ij fVIi.kh fyf[k, %Write notes on the following :
(i) Custem Screen Designing   (ii) Foxdos.

(C) fuEufyf[kr dks I e>kb;s% Explain the following :
(i) Set Relation   (ii) Join
(iii) Update   (iv) Copy to.