Seat No.

B.Sc. (Part - III) (Semester - V) Examination, October - 2015
COMPUTER SCIENCE
Visual Programming Using C# (Paper - X) (New) (Revised)
Sub. Code : 65903

Day and Date : Wednesday, 28 - 10 - 2015   Total Marks : 40
Time : 12.00 noon to 02.00 p.m.

Instructions : 1) All questions are compulsory.
2) Figures to the right indicate full marks.

Q1) Select correct alternative and rewrite the statement :   [8]

i) In event-driven programming an event is generated by_____.

   a) the system   b) a user's action

   c) the program itself   d) All of the above.

ii) _____ is not an integer data type?

   a) Single   b) Byte

   c) Short   d) Integer

iii) _____ language is used to create an ASP.NET code file.

   a) Visual Basic   b) C#

   c) C++   d) All of the above

iv) In the following options, _____ is a valid type of state management for the creation of web pages.

   a) Client side   b) Server side

   c) Data side   d) Both a) and b)

v) Where do cookies store information?

   a) HTML source   b) Text file

   c) URL   d) All of the above.

vi) _____ is not an ADO.NET DataAdapter Object.

    a)   OleDbDataAdapter   b)   SQLDataAdapter

    c)   QueryDataAdapter   d)   All of the above.

vii) Which server-side technique is available in ASP.NET?

    a)   Application states   b)   Session states

    c)   Database support   d)   Both a) and b)

viii _____ is specified by the DataMember Property.

    a)   DataAdapter object   b)   Database table

    c)   Database field   d)   Connection object

Q2) Attempt any TWO of the following :   **[16]**

    a)   What are the valid forms of main ( )? Explain in brief.

    b)   Explain ADO.NET connected architecture.

    c)   Explain the request and response structure.

Q3) Attempt any FOUR of the following :   **[16]**

    a)   What is Class Library?

    b)   Explain different types of arrays in C#.

    c)   What is the use of command object?

    d)   Explain the application state.

    e)   Explain the button control in ASP.NET.

    f)   Explain compare validator.

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Seat
No.

B. Sc. (Part - III) (Semester - V) Examination, October - 2015
COMPUTER SCIENCE (Paper - IX) (Revised) (New)
Computer Networks
Sub. Code : 65902

Day and Date : Tuesday, 27 - 10 - 2015
Time : 12.00 noon. to 2.00 p.m.

Total Marks : 40

Instructions : 1) All questions are compulsory.
  2) Figures to the right indicate full marks.
  3) Draw neat and labelled diagram whenever necessary.

Q1) Fill in the blanks and rewrite it. [8]

i) In component services COM+, the developer use the services to develop _____ applications.

  a) Centralized

  b) distributed

  c) both a & b

  d) none of these

ii) ISCSI stands for _____ in administrative tools of Windows server 2008.

  a) Intranet Small Computer System Interface

  b) Internet Small Computer System Interface

  c) Internet Season Computer System Interface

  d) none of these

iii) _____ protocol can be used with either a password or for a smart card security.

  a) Kerber

  b) Kerberos V5

  c) both a & b

  d) none of these

iv) IIS stands for _____ in windows server 2008.

  a) Intranet Information Service

  b) Internet Information Service

  c) both a & b

  d) none of these

v) _____ is type of communication in which the parties communicating are live or present in same space and time.

  a) Synchronous

  b) asynchronous

  c) both a & b

  d) none of these

vi) Thermal, Intermodulation or cross talk are the reasons of _____.

   a) attenuation   b) delay distortion

   c) noise   d) none of these

vii) _____ is refers to simultanious two way transmission.

   a) Simplex   b) Half duplex

   c) Full duplex   d) none of these

viii) Universal Asynchronous Receiver Transmitter (UART) usually accomplishes data conversion from _____.

   a) Serial to parallel   b) Parallel to Serial

   c) both a & b   d) none of these

Q2) Attempt any TWO from following: [16]

   i) Discuss information How in 5 layer model with suitable diagram.

   ii) Due to impairments in transmissions what happens, discuss its different types with suitable diagram.

   iii) What is computer management in windows server 2008? Discuss its different tools.

Q3) Attempt any FOUR from following: [16]

   i) Discuss in brief about the goals of computer network.

   ii) What is protocol?

   iii) What are the merits and demerits of layered architecture.

   iv) Write in brief about command line ultility in windows server 2008.

   v) What is system console?

   vi) What are the different properties of local user?

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Seat
No.

B. Sc. (Part- III)(Semester - V) Examination, October - 2015
COMPUTER SCIENCE (Paper - XI) (New) (Revised)
Linux Operating System
Sub. Code : 65904

Day and Date : Thursday, 29 - 10 - 2015

Time : 12.00 noon.to 2.00 p.m.   Total Marks : 40

Instructions :   1)   All questions are compulsory.
               2)   Figures to the right indicate full marks.

Q1) Select the correct alternative and rewrite.   **[8]**

  i)   In Linux command an option is normally preceded by a _____ sign.

       a)   minus   b)   dollar

       c)   percentage   d)   none of these

  ii)   The expression 777 in a chmod command indicates _____ permissions
        for all categories of users.

       a)   read   b)   write

       c)   execute   d)   all

  iii) The _____ system call picks up the exit status of the child process.

       a)   fork   b)   open

       c)   exec   d)   wait

  iv)   In the command mode of VI, _____ key move the cursor to first
        character of a line.

       a)   zero   b)   pipe

       c)   dollar   d)   a or b

v) _____ file test returns true if file exists and is a regular file.

   a) –e   b) –f

   c) –r   d) –s

vi) _____ command is useful to perform calculations in Linux.

   a) cal   b) bc

   c) cat   d) none of these

vii) The nohup command sends the standard output of the command to a file _____.

   a) typescript   b) nohangup.out

   c) note.out   d) nohup.out

viii) _____ command allows you to log on to remote machine.

   a) telnet   b) bc

   c) at   d) none of these

Q2) Attempt any TWO of the following.   **[8 + 8 = 16]**

   a) How to change file access permissions in Linux?

   b) Explain different process states with a suitable diagram.

   c) Discuss the use of head and tail general purpose utilities with examples.

Q3) Attempt any FOUR of the following.   **[4 × 4 = 16]**

   a) What is a buffer and buffer header?

   b) Write the different services of operating system.

   c) What is a system call? Give its example.

   d) How to position a cursor at desired location in a VI editor?

   e) Write a shell script to display size of a given file if it is exist.

   f) What are the different features of VI editor?

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Seat No.

B.Sc. (Part - III) (Semester - V) Examination, October - 2015
COMPUTER SCIENCE (New) (Paper - XII)
PHP and MYSQL
Sub. Code : 65905

Day and Date : Friday, 30 - 10 - 2015   Total Marks : 40
Time : 12.00 noon to 02.00 p.m.

Instructions :   1)   All questions are compulsory.
　　　　　　　　　2)   Figures to the right indicates full marks.

Q1) Choose Correct Alternative (one mark each) :   **[8]**

　　i)　In PHP _____ is used to denote single line Comment.
　　　　a)　Backward slashes (//)　　　b)　Hash (#)
　　　　c)　/*----*/　　　　　　　　　d)　Both a and b

　　ii)　My SQL is the most popular _____ database.
　　　　a)　Public domain　　　　　　b)　open source
　　　　c)　paid　　　　　　　　　　d)　none of these

　　iii)　_____ Operator is used to checks value of two variable as well
　　　　as data type of these two variable, whether they are equal or not.
　　　　a)　Equal to (==)　　　　　　b)　Equal (=)
　　　　c)　identical (===)　　　　　d)　None of these

　　iv)　_____ data type is the example of mixed data type.
　　　　a)　array　　　　　　　　　　b)　null
　　　　c)　float　　　　　　　　　　d)　none of these

　　v)　Array will be created using _____.
　　　　a)　array() function　　　　　b)　index operator
　　　　c)　range() function　　　　　d)　all of these

　　vi)　_____ Method is used to retrieve number of rows affected by an
　　　　INSERT, UPDATE Query.
　　　　a)　new_rows()　　　　　　　b)　num_rows()
　　　　c)　affected_rows()　　　　　d)　none of these

P.T.O.

_____ PHP allows user to define own sorting techniques by using the _____ function.

b) arsort()

d) sort()

_____ Notations are used to denote ternary operator in PHP.

b) ? ;

d) # $

c) ?•

[16]

Q2) Attempt any two (8 marks each) :

a) Explain different Data types in PHP.

b) What is an array? Explain types of array with example.

c) Explain different branching statements with its syntax.

[16]

Q3) Attempt any four (4 marks each) :

a) Explain while loop with Example

b) Explain concept of comments with example

c) Explain increment and decrement operator in PHP

d) Explain syntax of update command with example

e) Explain asort () and rsort () functions of array

f) Explain concepts of order by and where clause

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Seat
No.

B.Sc. (Part - III) (Semester - VI) Examination, November - 2015

COMPUTER SCIENCE (Paper - XV)

Advanced Linux Applications

Sub. Code: 58114

Day and Date : Wednesday, 04-11-2015   Total Marks : 40

Time : 12.00 noon to 02.00 p.m.

Instructions : 1)   All questions are compulsory.

2)   Figures to the right indicate full marks.

Q1) Select the correct alternative and rewrite   **[8]**

a)   In command mode of VI, useful functions are derived from combination
of an _____ and a command.

i)   variable   ii)   constant

iii)   operator   iv)   expression

b)   The instruction sed –n '5,$!p' mast

i)   don't print lines 5 to end   ii)   print lines 5 to end

iii)   don't print line 5   iv)   all of these

c)   The shell script statement enclosed with in _____ is executed by a sub
shell.

i)   parentheses   ii)   curly braces

iii)   square brackets   iv)   none of these

d)   _____ controls the system states.

i)   vmlinuz   ii)   init

iii)   lpsched   iv)   file system

e) Ex mode of VI is useful for _____
   i) text management   ii) Scrolling text
   iii) handling multiple files   iv) all of these

f) _____ command deletes the current line in VI.
   i) cc   ii) dd
   iii) yy   iv) none of these

g) The _____ filter provide the facility for formatting outputs.
   i) sed   ii) grep
   iii) head   iv) gawk

h) The _____ command is useful for assessing space consumed by users.
   i) du   ii) df
   iii) ds   iv) none of these

Q2) Attempt any two of the following : [8 + 8 = 16]
   a) How to perform field level operation using gawk program?
   b) Explain different commands used for multiple file handling in VI.
   c) How to export and use shell variables in a shell scrip?

Q3) Attempt any four of the following : [4 × 4 = 16]
   a) How to perform copy paste in VI?
   b) Write the difference between sed and gawk advanced filters.
   c) What is a command line argument? Give its example.
   d) How locate and take suitable action on a file in Linux?
   e) Write a shell program to get a number and display it is valid number if it is two digit long.
   f) Write the use and syntax of any two printer management commands.

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Seat
No.

B.Sc. (Part - III) (Semester - VI) Examination, April - 2015
COMPUTER SCIENCE
Advanced Linux Applications (Paper - XV)
Sub. Code : 58114

Day and Date : Wednesday, 22 - 04 - 2015
Time : 3.00 p.m. to 5.00 p.m.

Total Marks : 40

Instructions :
1) All Questions are compulsory.
2) Figures to the right indicate full marks.

Q1) Select the correct alternative and rewrite: [8]

a) In VI, ____ command delete the text from cursor to end of line.

   i)   dd   ii)   d$

   iii)   dG   iv)   none of these

b) The field level filtering operations are possible using ____ filter.

   i)   sed   ii)   gawk

   iii)   both (i) and (ii)   iv)   none of these

c) In the data entry script ____ symbol is used to append a data to the data file.

   i)   <   ii)   >

   iii)   <<   iv)   >>

d) ____ command displays the free disk space of each file system.

   i)   df   ii)   split

   iii)   du   iv)   ds

e) The END section of gawk program is executed ____ processing input file.

   i)   after   ii)   before

   iii)   before and after   iv)   none of these

P.T.O.

f) An operator when doubled by itself in VI command mode, it acts on the _____ line.

   i) above   ii) below

   iii) current   iv) none of these

g) The positional parameter _____ holds name of a running shell script.

   i) $=   ii) $*

   iii) $0   iv) $?

h) The system administrator login prompt root is indicated by _____ symbol.

   i) $ ii) #

   iii) %   iv) all of these

Q2) Attempt any two of the following: [16]

  a) Explain working of gawk filter with its syntax and example.

  b) How to execute commands in the current shell and a subshell? Give its examples.

  c) Explain different ex mode commands of Vi editor used for multiple file handling.

Q3) Attempt any four of the following: [16]

  a) How to define shell functions in a shell program?

  b) Write the different steps used for filtering the text in VI.

  c) How to use sed filter for filtering the information?

  d) Explain find command with their syntax.

  e) How the system administrator communicate with users?

  f) Write a data entry script to store employee number and name of the employee in a disk file.

Seat No.	

B.Sc.(Part-III) (Semester-VI) Examination, April -2015
COMPUTER SCIENCE
Network Technology (Paper-XIII)
Sub. Code :58112

Day and Date : Monday 20-04-2015
Time : 3.00 p.m. to 5.00 p.m.

Total Marks : 40

Instructions :
1) All questions are compulsory.
2) Figures to the right indicate full marks.
3) Draw diagrams whenever necessary.

Q1) Select correct alternative and rewrite the statement. **[8]**

a) TCP/IP support both connection oriented and connectionless service in _____ layer.
   i) Host to network
   ii) Internet
   iii) Host to Host
   iv) None

b) Error in the transmitted message can be occurring due to _____.
   i) Signal attenuation
   ii) Noise
   iii) Distortion
   iv) All of these

c) In OSI terminology SAP can be refer as _____.
   i) Service access point
   ii) Service access provider
   iii) Service additional provider
   iv) None

d) The syntax and semantic of data transmitted is concern with _____ layer in OSI model.
   i) Presentation
   ii) Session
   iii) Transport
   iv) All of these

e) Windows server require minimum of _____ hard disk space.
   i) 1.5 GB
   ii) 2.5 GB
   iii) 1.5 MB
   iv) None of these

P.T.O.

f) _____ is a primary protocol for active directory.
   i) Kerberosv3   ii) Kerberosv5
   iii) Kerberosv   iv) None

g) NTFS stands for _____.
   i) New technology file system
   ii) New techno file system
   iii) Nano technology file system
   iv) None of these

h) GPMC stands for _____.
   i) Group Policy Management Console
   ii) Gather Peripherals Monitoring cable
   iii) Group Public Managed Capacity
   iv) None of these

Q2) Solve the following questions (Any two): [16]

a) Write in details about structure of active directory in windows server 2008.

b) How connection will be established and released in transport layer?

c) Discuss TCP /IP protocol in details.

Q3) Solve the following question (Any four): [16]

a) Write in brief about connection oriented and connectionless services in ISO- OSI model.

b) What is wireless (802.11a, 802.11g)?

c) Discuss in brief about the working of physical layer.

d) Compare ISO-OSI model with TCP/IP model.

e) What are the features of Windows Server 2008?

f) Write any five by default goup.

Seat
No.

B.Sc. (Part - III) (Semester - VI) Examination, April - 2015
COMPUTER SCIENCE (Paper - XIV)
VB. NET Programming (Part - II)
Sub. Code : 58113

Day and Date : Tuesday, 21 - 04 - 2015   Total Marks : 40
Time : 3.00 p.m. to 5.00 p.m.
Instructions :   1)   All questions are compulsory.
                 2)   Figures to the right indicate full marks.

Q1) Choose Correct Alternative and rewrite it (One mark each)   [8]

   a) _____ array is an array of arrays in which the length of each array can differ.

      i)   Rectangular   ii)   Jagged

      iii) Linear   iv)   None of these

   b) A _____ Block is always executed, when execution leaves any part
      of the Try statement.

      i)   Catch   ii)   Try

      iii) Finally   iv)   Catch and Try

   c) _____ Property of Binary Reader Objects giving you Access to that
      stream's properties and methods.

      i)   Write   ii)   Base Stream

      iii) Seek   iv)   Flush

   d) _____ is a one of the method of connection object in ADO .net.

      i)   New ( )   ii)   Open ( )

      iii) Connopen ( )   iv)   None of these

   e) _____ method is found in both the StreamReader and StreamWriter class

      i)   Close ( )   ii)   Peek ( )

      iii) Flush ( )   iv)   Both i) and ii)

f) In ADO.NET, Sql Connection object designed for _____ database.

    i)   Oracle   ii)   Microsoft SQL Server

    iii)   Access   iv)   None of these

g) _____ is a not a method of dataadapter.

    i)   Fill ( )   ii)   Fillschema ( )

    iii)   Readdata ( )   iv)   Update ( )

h) In the statement, Dim Days (7) as String, then number 7 in the array refer to _____.

    i)   Lower Bound   ii)   Upper Bound

    iii)   Array Name   iv)   Size

Q2) Attempt any TWO (8 marks each)   **[16]**

    a)   Design a windows application which writes book information (bcode, bname, bauthor, price) to disk file using text mode.

    b)   What is an array? Explain jagged array with Example.

    c)   Explain dataadapter and dataset object methods of ADO .Net.

Q3) Attempt any FOUR (4 marks each)   **[16]**

    a)   Explain File Stream Class with its arguments.

    b)   What are the features of ADO .Net?

    c)   Explain the Datediff( ) Function with example.

    d)   Explain any two error tracing method of VB .Net.

    e)   Explain methods of DataReader Oject.

    f)   Explain the use of Server Explorer window.

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Seat
No.

B.Sc. (Part - III) (Semester - V) Examination, November - 2014
ENGLISH (Compulsory)
English for Communication
Sub. Code : 54880

Day and Date : Monday, 03 - 11 - 2014   Total Marks : 40
Time : 3.00 p.m. to 5.00 p.m.

Instructions :   1)   **All questions are compulsory.**
              2)   **Figures to the right indicate full marks.**

Q1) Rewrite the following sentences choosing the most correct alternative.   **[4]**

   a)   _____ was Bob's friend.

       i)   Jimmy carter   ii)   Jimmy wells

       iii)   Big Joe   iv)   Brady wells

   b)   The first step to eliminating mental fatigue is _____.

       i)   to control every thought in our mind

       ii)   to do too much work

       iii)   to do great things

       iv)   to make yourself well disciplined

   c)   As _____ the roads were peaceful.

       i)   curfew order was announced

       ii)   the police were looking for a criminal

       iii)   shops in the market were closed

       iv)   there was heavy rain shower

   d)   According to Dr. Verghese speaking on telephone only gives us _____.

       i)   more pleasure

       ii)   freedom of expression

       iii)   immediate but fleeting joy

       iv)   great, abiding pleasure

Q2) Write short notes on <u>Any Three</u> of the following in about 120 to 150 words each : **[12]**

    a)   Importance of discipline in self - mastery.

    b)   Christie's

    c)   Bob in the story after twenty years.

    d)   Dr. Verghese's appeal to younger generation.

Q3) Do as directed :-

    a)   Rewrite the following sentences using appropriate articles :- **[2]**

        i)   My sister is _____ M.A. in History.

        ii)   _____ dinner will be ready in an hour.

    b)   Rewrite the following sentences filling in the gaps with 'a few', 'few', 'many', 'much', 'little', 'a little', 'some', 'any'. whichever is correct :**[2]**

        i)   I don't think he has _____ money.

        ii)   Would you like to have _____ sweets.

    c)   Rewrite the following sentences choosing the proper verb forms in them.**[2]**

        i)   The tallest of the players (was/were) injured.

        ii)   He (has gone / went) sometime ago.

    d)   Correct the following sentences using appropriate prepositions. **[2]**

        i)   I will call by you next sunday

        ii)   Lets know the reason to your failure.

Q4) Describe <u>Any Two</u> of the following :- **[8]**

    a)   The Kashmiris

    b)   The process of making carrot halawa

    c)   The telephone

Q5) Write a well organized passage of about 200 to 250 words on <u>Any one</u> of the following topics with the help of the points given below :- **[8]**

    a)   <u>Monkey and the parachute</u> :

        i)   A picnic scene _____ group of people sitting around eating lunch _____ a monkey snatching an umbrella.

        ii)   People chasing the monkey _____ monkey has reached edge of a cliff.

iii) Monkey has fallen off _____ umbrella open _____ monkey holding on to it _____ picnic group watching.

iv) Monkey and 'parachute' have landed in valley _____ monkey running away.

b) <u>Modern man</u> :

  i) Modern man is not mature enough. He

    1) does not live up to truth and non - violence.

    2) has powers of gods but mind of school - children.

    3) can fly and swim but can't walk like a man.

  ii) Man - not intelligent enough _____ does not know his real interest.

  iii) Need of education : teaching religion, truth, honesty, wisdom, non - violence _____ peace

  iv) Otherwise human species becomes extinct.

  v) Need to change _____ no man _____ an island _____ social and interdependent. society ___ brings up and educates each member.

  vi) Man _____ open minds _____ exchange ideas __ new thoughts __ sign of progress __ human development.

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