B.C.S. (Part - III) (Semester - V) Examination, 2013
COMPUTER SCIENCE (Paper - 5.2)
Visual Basic .NET Programming (Part - I)
Sub. Code : 55322

Day and Date : Thursday, 18-04-2013

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) Multiple choice questions : [8]

1) Which does the solution explorer **not** display?

a) Form Properties b) Reference Folder

c) Form File d) Assemble File

2) _____ converts MSIL code to Native code.

a) CTS b) language compiler

c) CLR d) FCL

3) Which property determines whether a control is displayed to the user?

a) Hide b) Show

c) Visible d) Enabled

4) Which function returns the numbers represented in the string "$56.7"?

a) Abs b) CDbl

c) Int d) Val

5) Which is not a valid value for the ListBox SelectionMode Property?

a) None b) One

c) MultiSimple d) MultiExtended

6) The Key Press event will capture pressing the key:

a) A b) Shift

c) Control d) All of the above

7) Which statements are optional in an If... Then statement?

   a) If   b) Then

   c) Else   d) Both a) and b)

8) In the statement, Dim Days (7) as String, what part of the array does the number 7 refer to?

   a) Size   b) Datatype

   c) Lowerbound   d) Upperbound

Q.2) Attempt any two of the following :   [2 x 8

   a) What is assembly? Explain briefly creation of private assembly and shared assembly, their advantages and disadvantages.

   b) What is polymorphism? Explain inheritance based and interface based polymorphism.

   c) Draw architecture of .net framework and explain each component in detail.

Q.3) Write short note on (any four) :   [4 x

   a) Properties in vb.net

   b) Constructor in vb.net

   c) Operator overloading in vb.net

   d) Data types in vb.net

   e) Explain how to create and place textbox control on form through coding in

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Seat No.

B.C.S. (Part-III) (Sem-V), Examination, 2013
COMPUTER SCIENCE (PAPER-5.3)
Computer Network Part-I
Sub. Code: 55323

Day and Date : Saturday, 20-04-2013

Total Marks : 40

Time : 03.00 p.m. to 05.00 p.m.

Instructions: 1) All Questions are compulsory.

           2) Figures to the right indicate full marks.

Q.1) Select correct alternative and **rewrite** entire statement.   **[8]**

1) When configuration an ISDN device, a single B channel can be set to

        _____speed on a BRI (Basic Rate Interface).

    a)   28.8 Kbps   b)   1.44 Mbps

    c)   64 Kbps or 50 Kbps   d)   128 Kbps

2) _____transmission method is suitable for five T.V. transmissions.

    a)   Synchronous   b)   Asynchronous

    c)   Isochronous   d)   None of the above

3) An uniformed service has _____.

    a)   Request and indication   b)   Request, Indication, Response and Confirm

    c)   Request only   d)   Only Indication

4) Radio broadcasting is an example of _____transmission.

    a)   Guided   b)   Simplex

    c)   Half-duplex   d)   Full-duplex

B.C.S. (Part-III) (Semester - V) Examination -2013
COMPUTER SCIENCE (Paper - 5.4)
(Software Engineering Part - I)
Sub. Code : 55324

Day and Date : Monday 22-4-2013   **Total Marks : 40**
Time : 3.00 p.m. to 5.00 p.m.

Instructions :- i)   **All questions are compulsory**
       ii)   **Figures to the right indicate full marks.**

Q1) Select correct alternative and **rewrite** entire statement.   **(8)**

i)   Semi-detached: T dev = 2.5 (effort) _____ month

     a)   0.35   b)   0.38   c)   0.32   d)   None of these

ii)   The goal of _____ estimation is to determine total duration of project and different phases.

     a)   Cost estimation   b)   Schedule estimation

     c)   Effort estimation   d)   Size estimation

iii)   Project risk factor is considered in _____.

     a)   Waterfall model   b)   Spiral model

     c)   Prototype model   d)   None

iv)   From following _____ phase is not available in software life cycle.

     a)   Coding   b)   Design   c)   Specifications   d)   Installation

v)   A COCOMO model is _____

     a)   Common Cost Estimation Model

     b)   Constructive Cost Estimation Model

     c)   Complete Cost Estimation Model

     d)   Compressive Cost Estimation Model

vi) Risk management activity minimizes impact of _____

    a) Maintenance   b) Operation

    c) Risk   d) Errors

vii) The DFD is also known as _____ chart.

    a) Relation diagram   b) Bubble

    c) Sequence   d) Structured

viii) Input to coding phase is _____ document.

    a) Testing   b) User Manual   c) Design   d) Data

Q2) Attempt any **two** of the following: **(16)**

    a) what is software configuration management? Which problems are occurred when software configuration management (SCM) is not used?

    b) What is SRS? Explain characteristics of good SRS document.

    c) Explain staffing level estimation in detail.

Q3) Attempt any **four** of the following: **(16)**

    a) Write note on validation activity with their methods.

    b) Explain software requirement analysis and specification.

    c) Write software engineering approach in detail.

    d) Write function point metrics.

    e) Explain configuration identification and configuration control activity.

    f) What is DFD? Explain different symbols to draw DFD.

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Seat
No.

B.C.S (Part-III) (Semester - V) Examination, 2013
COMPUTER SCIENCE
Paper-5.5 : Java Programming Part - I
Sub. Code : 55325

Day and Date : Tuesday 23-04-2013   **Total Marks :40**

Time : 3.00 p.m to 5.00 p.m.

Instructions : 1) **All questions are compulsory**

2) **Figures to right indicate full marks.**

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

i) .... is mechanism that bind together code and data manipulates and keep both safe from outside interference and misuse.

    a) Abstraction   b) Encapsulation

    c) Inheritance   d) None of these

ii) JVM is a ....

    a) Interpreter for source code   b) Interpreter for byte code

    c) Interpreter for bit code   d) Interpreter for machine code

iii) .... uses same method name but different arguments and different return types.

    a) Method overloading   b) Method overriding

    c) Constructor overloading   d) None of these

iv) .... is a not a Keyword of Java Language

    a) New   b) Final

    c) Finally   d) None of these

v) .... are syntactically similar to classes, but they lack instance variable and their method are declared without any body

    a) Interfaces   b) Packages

    c) Both a and b   d) None of these

vi) .... built in exception is throws when trying to any number Divisible by Zero.

    a) Illegal State Exception   b) Class Cast Exception

    c) Arithmetic Exception   d) Null Pointer Exception

vii) ....system package used to provide facilities for the input and output of data

    a) java. lang   b) java.util

    c) java.awt   d) java.io

viii) .... data type is a signed 16-bit type and range from-32768 to 32767.

a) short   b) int

c) long   d) byte

[16]

Q2) Attempt any TWO (8 marks each)

   i) What is Interface? Explain with example.

   ii) Explain different types of exception handling

   iii) Explain control statements with example

[16]

Q3) Attempt any Four (4 marks each)

   i) Explain the terms class and object.

   ii) What is garbage collection ?

   iii) Explain different features of java.

   iv) Explain the concept of abstraction.

   v) Explain logical operators available in Java.

   vi) Explain parameterized constructor with example.

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Seat
No.

B.C.S. (Part - III) (Semester - V) Examination, 2013
COMPUTER SCIENCE (Paper - 5.6)(Elective - II)
E - Commerce (Part - I)
Sub. Code : 55327

Day and Date : Thursday, 25 - 04 - 2013   **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) Select correct alternative and rewrite the statement :   [8]

a) _____ Encryption involves the use of shared key for both encryption by transmitter and decryption by the receiver.

i)   Symmetric   ii)   Asymmetric

iii)   Hashing   iv)   None of these

b) Virus is _____ .

i)   Natural threat   ii)   Accidental threat

iii)   Intentional threat   iv)   None of these

c) The translation of encrypted text or data into original text or data is called _____ .

i)   cryptography   ii)   decryption

iii)   encryption   iv)   none of these

d) Every computer on the internet has its own unique name called _____ .

i)   IP   ii)   Protocol

iii)   Domain Name   iv)   None of these

c) _____ threats are difficult to detect because they do not involve alteration of the data.

    i)   Active   ii) Passive

    iii) Spoofing   iv) None of these

f) EDI provides _____.

    i)   Reduce processing cycle time

    ii) Standard means of communication

    iii) Better Business process

    iv) All of these

h) Auction sites normally categorized in _____ model.

    i)   B2B   ii) B2C

    iii) C2B   iv) C2C

i) A computer that provides services to other computers on the web is called a _____.

    i)   client   ii) server

    iii) browser   iv) host

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

    a)   What are the components of web architecture ?

    b)   Explain the challenges and opportunities of e - commerce.

    c)   What are the software and hardware requirements of internet ?

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

    a)   Explain the scope of e - commerce.

    b)   What is digital signature ?

    c)   What is web ? Explain in detail www.

    d)   Explain the drawbacks of internet.

    e)   Explain password briefly.

    f)   What are benefits of intranet ?

B.C.S. (Part - III) (Sem. - VI) Examination, 2013
COMPUTER SCIENCE (Paper - 6.1)
Case Study of Linux
Sub. Code : 55332

Day and Date :   Total Marks : 40

Time :

Instructions : 1)   All questions are Compulsory.

2)   Figures to the right indicate full marks.

Q1) Select the correct alternative and rewrite   [8]

a)   In Linux user can interact wtih a system through a command interpreter called the _____.

i)   shell   ii)   kernel

iii)   process   iv)   none of these

b)   Linux operating system categories the files into _____ types.

i)   two   ii)   three

iii)   four   iv)   none of these

c)   _____ command is useful for searching the file.

i)   find   ii)   grep

iii)   both i and ii   iv)   none of these

d)   The best way to save and quit the VI editor is to use _____ command mode command.

i)   x   ii)   ZZ

iii)   zz   iv)   none of these

e)   _____ statement used to terminate the script.

i)   end   ii)   break

iii)   exit   iv)   none of these

f)   In Linux, tty command displays the _____ of your terminal.

i)   device name   ii)   user - name

iii)   user - id   iv)   none of these

g)   Using mv command, file can be _____

i)   copied   ii)   moved

iii)   renamed   iv)   both ii and iii

[16]

[16]

h) Case structure uses the _____ to delimit multiple patterns.
   i)   &   ii) |
   iii) ‖   iv)   none of these

Q2) Attempt any two of the following.   **[8 + 8]**

   a)   How to list file attributes? Explain basic file attributes with example.

   b)   Explain the cut and paste filters with suitable examples.

   c)   How to setup conditional braching in shell script? Give its different examples.

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

   a)   What are the different user interfaces provided by Linux operating system?

   b)   Explain any two directory management commands.

   c)   Write the difference between head and tail filters.

   d)   How to make shell script executable?

   e)   Write the use of shift command? Give its example.

   f)   Write a shell script to display path of working directory on the screen with suitable title.

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Seat No. | 1136

B.C.S. (Part - III) (Sem. - VI) Examination, 2013
COMPUTER SCIENCE (Paper - 6.2)
Visual Basic. net Programming (Part - II)
Sub. Code : 55328

Day and Date :

Total Marks : 40

Time :

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

Q1) Multiple choice questions. [8]

a) ADO. Net provides the ability to create and process in - memory databases called _____.

i) views
ii) relations
iii) tables
iv) datasets

b) Data Reader object is created by _____.

i) by calling a Command object's ExecuteReader.
ii) by calling a Query object's Execute Query.
iii) by calling a new ( )
iv) None

c) In Vb.net if we do not catch the exception thrown at runtime then _____ of the following will catch it.

i) Compiler
ii) Operating system
iii) CLR
iv) Loader

d) In Vb. net _____ block executes although exception occurs or not.

i) try
ii) catch
iii) finally
iv) None of the above

e) In Vb. net _____ creates a abstract class.

i) Mustinherit
ii) NotInheritable
iii) overrides
iv) overridable

f) _____ abstract class is used for reading character from a byte stream.

i) Binary Reader
ii) Binary Writer
iii) Stream Reader
iv) Buffered Stream

g) _____ namespace has various class that are used for performing various operation with files.

   i) System.data   ii) System.IO

   iii) System. file   iv) System.database

h) _____ is a typesafe function pointer in Vb.net

   i) pointer   ii) function

   iii) array   iv) delegate

Q2) Attempt any two of the following.   **[2 × 8 = 16]**

  a) What is Exception? Explain structured exception handling in vb.net.

  b) What is stream? Write a program to copy content of one file to other using stream reader and stream writer classes.

  c) What is ADO.net? Explain various components of ADO.net architecture.

Q3) Short notes (Any four)   **[4 × 4 = 16]**

  a) Strings in vb.net

  b) Date functions

  c) Server explorer

  d) Arrays in vb.net

  e) features of ADO.net

  f) Unstructured exception handling

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Total No. of Pages : 2

Seat
No.

B.C.S. (Part - III) (Sem. - VI) Examination, 2013
COMPUTER NETWORKS PART - II (Paper - 6.3)
Sub. Code : 55329

Day and Date :

Time :

Total Marks : 40

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

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

a) In _____ each station is forced to send only at the beginning of the time slot.

   i) Pure ALOHA   ii) Slotted ALOHA

   iii) Both i & ii   iv) None of these

b) In the _____ method, after the station finds the line idle it sends or refrain from sending based on the outcome of a random number generator. If the line is busy, it tries again.

   i) Non - persistent   ii) 1 - persistent

   iii) P - persistent   iv) None of These

c) From the following _____ is IEEE 802 standards pertain to token ring.

   i) IEEE 802.3   ii) IEEE 802.5

   iii) IEEE 802.2   iv) IEEE 802.11

d) From following _____ is the commonly used LAN protocol.

   i) IP   ii) SMTP

   iii) Ethernet   iv) SNMP

e) From following _____ is a characteristic of a file server.

   i) Manages file operations and is shared on a network.

   ii) Manages file operations and is limited to one PC

   iii) Acts as a fat client and is shared on a network

   iv) Acts as a fat client and is limited to one PC.

f) MBSA is related to windows server 2003 _____

   i) Policy   ii) Production

   iii) Security   iv) Edition or version

P.T.O.

g) Feature of windows server 2003 is _____.
    i)   Active directory
    ii) File and Print services
    iii) Both i and ii
    iv) None of these

h) UNIX allows access to remote server by using _____.
    i)   FTP   ii) HTTP
    iii) TCP/IP   iv) TELNET

Q2) Attempt any Two of the following.   **[16]**

a) Explain pure and slotted ALOHA.

b) Describe file sharing and printer sharing.

c) Explain various server roles.

Q3) Attempt any Four of the following.   **[16]**

a) What is internet address?

b) Write difference between server based LAN and peer to peer LAN.

c) What is file server? Explain use of file server in organizations.

d) Write any four features of Microsoft windows server 2003.

e) What is mapping of drives?

f) What is IEEE standards 802.3?

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Seat No.

B.C.S (Part - III) (Semester - VI) Examination, 2013
SOFTWARE ENGINEERING PART - II
(Paper - 6.4)
Sub. Code : 55330

Day and Date :
Time :

Total Marks : 40

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

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

a) _____ of component describe external behavior of that component.
  i) Abstraction   ii) Partition
  iii) Modularity   iv) Design

b) _____ is highest level of cohesion.
  i) Functional   ii) Logical
  iii) Communicational   iv) Temporal

c) When sub class inherits from many super class is called _____ inheritance.
  i) Multi level   ii) Single
  iii) Hybrid.   iv) Multiple

d) _____ of program is graphical representation of its structure.
  i) UML   ii) Structure chart
  iii) Both (i) & (ii)   iv) None of These

e) _____ can reduce coupling between modules.
  i) Behavior   ii) State
  iii) Size   iv) Information hiding

f) Exception classes should be suffixed with _____
  i) Private   ii) Public
  iii) Exception   iv) Protected

g) Sequence diagram and collaboration diagram together called _____ diagram.
  i) Object   ii) Action
  iii) Interaction   iv) All of these

h) _____ is always product metric of interest.
  i) Total number of modules   ii) Size
  iii) design   iv) All of these.

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

　　a)　Explain design principles in detail.

　　b)　What are the approaches to structural testing?

　　c)　What is code verification technique?

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

　　a)　Explain different types of coupling.

　　b)　Explain – error and fault.

　　c)　Explain boundary value analysis with example.

　　d)　Write difference between white box testing and black box testing.

　　e)　Explain different levels of testing.

　　f)　Explain different representation of structural chart.

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Seat
No.

B.C.S (Part - III) (Semester - VI) Examination, 2013
COMPUTER SCIENCE
Paper - 6.5
Java Programming Part - II
Sub. Code : 55331

Day and Date :   **Total Marks : 40**

Time :

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

Q1) Choose Correct Alternative (one mark each) :   **[08]**

a) _____ Method is used to obtain the thread name.
   i)   getName()   ii)   Name()
   iii) getPriority   iv)   None of these

b) A cookies is stored on a _____ and contains state information.
   i)   Client   ii)   server
   iii) Both (i) & (ii)   iv)   None Of these

c) The _____ class is a concrete subclass of Container class.
   i)   Canvas   ii)   Windows
   iii) Frame   iv)   Panel

d) _____ Method of Servlet invoked only when the servlet is first loaded into memory.
   i)   service()   ii)   init()
   iii) destroy()   iv)   None of these

e) JDBC classes are present in the _____ package.
   i)   java.util   ii)   java.awt
   iii) java.sql   iv)   None of these

f) An _____ class is generated when a button is pressed, a list item is double clicked, or Menu Item is selected.
   i)   AdjustmentEvent   ii)   ActionEvent
   iii) ComponantEvent   iv)   FocusEvent

g) _____ Method is used to set a thread's priority.
   i)   firstPriority()   ii)   getPriority()
   iii) setPriority()   iv)   maxPriority()

P.T.O.

h) In JDBC, statement object are created using _____ method.

   i) Statement()   ii) createStatement()

   iii) executeStatement   iv) None of these

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

   a) What is JDBC? Explain types of JDBC driver.

   b) Explain life cycle Applet.

   c) What is thread? Explain different methods of thread class.

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

   a) Explain drawLine () and drawRect () Method of Graphics class.

   b) Explain doPost() method of servlet with example.

   c) Explain concept of synchronization.

   d) What is session? Explain session tracking methods.

   e) Explain methods of MouseListner Interface.

   f) Explain difference between JDBC and ODBC.

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Seat
No.

B.C.S. (Part - III) (Sem. - VI) Examination, 2013
COMPUTER SCIENCE (Paper - 6.6)
Ecommerce (Part - II) (Elective - II)
Sub. Code : 55337

Day and Date :   Total Marks : 40
Time :

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

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

a)   An _____ is a paperless, electronic exchange of routine business
transactions.

   i)   e - banking   ii)   EDI

   iii)   e - mail   iv)   All of these

b)   _____ is the process by which customer perform banking transactions
electronically without visiting bank.

   i)   e - marketing   ii)   e-finance

   iii)   e-banking   iv)   e-governance

c)   In E - banking system, _____ is one in which the changes are difficult
since everything is proprietary.

   i)   Open model   ii)   Closed model

   iii)   Core model   iv)   None of these

d)   In a _____, you can identify the sender of the payment information.

   i)   digital signature   ii)   digital cash

   iii)   e-cash   iv)   none of these

e)   _____ network is an example of television retailing.

   i)   e-shopping   ii)   Home shopping

   iii)   Mobile Shopping   iv)   Market shopping

f)   _____ are also called as stored value cards.

   i)   Election cards   ii)   Bank card

   iii)   Smart cards   iv)   None of these

g) _____ is a prepaid payment system offers a token system where the money actually resides on the buyers hard disk.
    i)   Credit card   ii)   Digicash
    iii)   Plastic card   iv)   e - finance

h) _____ are retailers offering common consumer products at near wholesale prices.
    i)   Warehouse clubs   ii)   Warehouse retailers
    iii)   Website launchers   iv)   Wholesaler

Q2) Attempt any Two from following :   **[16]**

    a)   What are the different marketing strategies concerned with banking?

    b)   Write different benefits and applications of EDI?

    c)   What are consumer legal and business issues?

Q3) Attempt any Four from following :   **[16]**

    a)   Explain digital cash.

    b)   What is online retailing?

    c)   Explain online customer services and support.

    d)   What are management challenges in online retailing?

    e)   Explain electronic cheques.

    f)   What is credit and debit card?

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Total No. of Pages :3

Seat
No.

B.C.S. (Part - III) (Semester-V) Examination, November - 2014
COMPUTER SCIENCE (Paper -5.3)
Computer Network Part - I
Sub. Code : 55323

Day and Date : Wednesday, 12 - 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) Select correct alternative and rewrite entire statement.   [8]

a)   _____ is not a transmission media for data transmission.

i)   Microwave   ii)   Convection

iii)   Optical fiber   iv)   Radio waves

b)   Communication channels for data transmission used by most people
      and business organizations are referred to as.

i)   Public providers   ii)   Common carries

iii)   Common providers   iv)   Public carriers

c)   The communication medium that supports data in both directions at a
      time is _____ .

i)   Half Duplex   ii)   Multiplex

iii)   Simplex   iv)   Full duplex

d)   RS-232 has _____ pin connector.

i)   32   ii)   8

iii)   16   iv)   25

P.T.O.

e) The performance of communication media depends on _____ .

    i)   Cost   ii)   Band width

    iii) Rigidity   iv) All of these

f) Set-up time is not required in _____ .

    i)   Packet switching   ii)   Bucket switching

    iii) Message switching   iv) None

g) Which of the following techniques increases the data rate of a modem?

    i)   Compression   ii)   Error correction

    iii) Error detection   iv) Encryption

h) A network layer deals with _____ .

    i)   User data   ii)   Packet

    iii) Frames   iv) Bits

Q2) Attempt any two of the following.   **[16]**

a) What is switching? Explain circuit switching and packet switching techniques in detail.

b) What is congestion control? How does it occur?

c) What is computer network? Explain network goals in detail.

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

    a)   What is routing? Explain it in brief.

    b)   Explain satellite communication.

    c)   Explain working of modem in detail.

    d)   Explain sliding window protocol.

    e)   Describe basic services provided by ISDN.

    f)   Explain factors affecting network performance.

Samatha Ruth Prabhu.

B.C.S. (Part - III) (Semester - VI) Examination, October - 2014
COMPUTER SCIENCE
Case Study of Linux (Paper - 6.1)
Sub. Code : 55332

Day and Date : Wednesday, 29 - 10 - 2014   **Total Marks : 40**

Time : 3. 00 p.m. to 5.00 p.m.

Instructions :   1)   *All questions are compulsory.*

               2)   *Figures to right indicate full marks.*

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

   a)   _____ is a command interpreter.

      i)   shell   ii)   kernel

      iii)   cmp   iv)   none of these

   b)   A file link count one indicate that the file has _____ link.

      i)   one   ii)   no

      iii)   more than one   iv)   none of these

   c)   _____ option used in cut filter to extract specific columns.

      i)   -f   ii)   -c

      iii)   -t   iv)   -d

   d)   User can switch to the command mode of VI always by pressing _____ key.

      i)   backspace   ii)   shift

      iii)   enter   iv)   Esc

   e)   All shell variables are evaluated only in _____.

      i)   single quotes   ii)   back quotes

      iii)   double quotes   iv)   none of these

f) Top most directory of Linux files system is called _____ directory.

    i)   home   ii)   root

    iii) bin   iv) none of these

g) Using cp command, file can be _____ .

    i)   copied   ii)   moved

    iii) renamed   iv) all of these

h) The _____ statement provides input to a script from the keyboard.

    i)   accept   ii)   read

    iii) getline   iv) get

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

a) How to move and copy a file in Linux? Write its difference.

b) Explain different command mode commands of VI editor useful for text management.

c) What is use of cut and paste filters? Give its different examples.

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

a) What are the different functions carried out by kernel?

b) How to change file access permissions in Linux?

c) Write the different options supported by grep filter.

d) How to setup loop in a script using until loop structure?

e) Write the use of break and continue statements supported by shell programming.

f) Write a shell script to display current months calender on the screen.

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Seat No.

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B.C.S. (Part - III) (Semester - VI) Examination, October - 2014
COMPUTER SCIENCE
Case Study of Linux (Paper - 6.1)
Sub. Code : 55332

Day and Date : Wednesday, 29 - 10 - 2014   **Total Marks : 40**
Time : 3. 00 p.m. to 5.00 p.m.

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

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

a) _____ is a command interpreter.

　　i) shell 　　　　　　　 ii) kernel

　　iii) cmp 　　　　　　 iv) none of these

b) A file link count one indicate that the file has _____ link.

　　i) one 　　　　　　　 ii) no

　　iii) more than one 　　 iv) none of these

c) _____ option used in cut filter to extract specific columns.

　　i) -f 　　　　　　　 ii) -c

　　iii) -t 　　　　　　 iv) -d

d) User can switch to the command mode of VI always by pressing _____ key.

　　i) backspace 　　　　 ii) shift

　　iii) enter 　　　　　 iv) Esc

e) All shell variables are evaluated only in _____.

　　i) single quotes 　　　 ii) back quotes

　　iii) double quotes 　　 iv) none of these

f) Top most directory of Linux files system is called _____ directory.

    i) home   ii) root

    iii) bin   iv) none of these

g) Using cp command, file can be _____.

    i) copied   ii) moved

    iii) renamed   iv) all of these

h) The _____ statement provides input to a script from the keyboard.

    i) accept   ii) read

    iii) getline   iv) get

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

a) How to move and copy a file in Linux? Write its difference.

b) Explain different command mode commands of VI editor useful for text management.

c) What is use of cut and paste filters? Give its different examples.

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

a) What are the different functions carried out by kernel?

b) How to change file access permissions in Linux?

c) Write the different options supported by grep filter.

d) How to setup loop in a script using until loop structure?

e) Write the use of break and continue statements supported by shell programming.

f) Write a shell script to display current months calender on the screen.

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B.C.S. (Part - III) (Semester - VI) Examination, October - 2014

COMPUTER SCIENCE

Case Study of Linux (Paper - 6.1)

Sub. Code : 55332

Day and Date : Wednesday, 29 - 10 - 2014   Total Marks : 40

Time : 3. 00 p.m. to 5.00 p.m.

Instructions :   1)   *All questions are compulsory.*

2)   *Figures to right indicate full marks.*

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

a)   _____ is a command interpreter.

   i)   shell   ii)   kernel

   iii)   cmp   iv)   none of these

b)   A file link count one indicate that the file has _____ link.

   i)   one   ii)   no

   iii)   more than one   iv)   none of these

c)   _____ option used in cut filter to extract specific columns.

   i)   -f   ii)   -c

   iii)   -t   iv)   -d

d)   User can switch to the command mode of VI always by pressing _____ key.

   i)   backspace   ii)   shift

   iii)   enter   iv)   Esc

e)   All shell variables are evaluated only in _____.

   i)   single quotes   ii)   back quotes

   iii)   double quotes   iv)   none of these

f) Top most directory of Linux files system is called _____ directory.

    i) home   ii) root

    iii) bin   iv) none of these

g) Using cp command, file can be _____.

    i) copied   ii) moved

    iii) renamed   iv) all of these

h) The _____ statement provides input to a script from the keyboard.

    i) accept   ii) read

    iii) getline   iv) get

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

a) How to move and copy a file in Linux? Write its difference.

b) Explain different command mode commands of VI editor useful for text management.

c) What is use of cut and paste filters? Give its different examples.

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

a) What are the different functions carried out by kernel?

b) How to change file access permissions in Linux?

c) Write the different options supported by grep filter.

d) How to setup loop in a script using until loop structure?

e) Write the use of break and continue statements supported by shell programming.

f) Write a shell script to display current months calender on the screen.

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No.

B.C.S. (Part - III) (Semester - VI) Examination, October - 2014
COMPUTER SCIENCE
Case Study of Linux (Paper - 6.1)
Sub. Code : 55332

Day and Date : Wednesday, 29 - 10 - 2014   **Total Marks : 40**

Time : 3. 00 p.m. to 5.00 p.m.

Instructions :   1)   *All questions are compulsory.*

   2)   *Figures to right indicate full marks.*

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

   a)   _____ is a command interpreter.

   i)   shell   ii)   kernel

   iii)   cmp   iv)   none of these

   b)   A file link count one indicate that the file has _____ link.

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   c)   _____ option used in cut filter to extract specific columns.

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P.T.O.

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    iii) renamed   iv) all of these

h) The _____ statement provides input to a script from the keyboard.

    i) accept   ii) read

    iii) getline   iv) get

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

a) How to move and copy a file in Linux? Write its difference.

b) Explain different command mode commands of VI editor useful for text management.

c) What is use of cut and paste filters? Give its different examples.

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

a) What are the different functions carried out by kernel?

b) How to change file access permissions in Linux?

c) Write the different options supported by grep filter.

d) How to setup loop in a script using until loop structure?

e) Write the use of break and continue statements supported by shell programming.

f) Write a shell script to display current months calender on the screen.

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B.C.S. (Part - III) (Semester - VI) Examination, October - 2014
COMPUTER SCIENCE
Case Study of Linux (Paper - 6.1)
Sub. Code : 55332

Day and **Date : Wednesday, 29 - 10 - 2014**   **Total Marks : 40**

Time : 3. 00 p.m. to 5.00 p.m.

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

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

a) _____ is a command interpreter.

   i)   shell   ii)   kernel

   iii)   cmp   iv)   none of these

b) A file link count one indicate that the file has _____ link.

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   iii)   more than one   iv)   none of these

c) _____ option used in cut filter to extract specific columns.

   i)   -f   ii)   -c

   iii)   -t   iv)   -d

d) User can switch to the command mode of VI always by pressing _____ key.

   i)   backspace   ii)   shift

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e) All shell variables are evaluated only in _____.

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f) Top most directory of Linux files system is called _____ directory.

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    iii) bin   iv) none of these

g) Using cp command, file can be _____.

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    i) accept   ii) read

    iii) getline   iv) get

[8 + 8 = 16]

Q2) Attempt any TWO of the following :

a) How to move and copy a file in Linux? Write its difference.

b) Explain different command mode commands of VI editor useful for text management.

c) What is use of cut and paste filters? Give its different examples.

[4 × 4 = 16]

Q3) Attempt any FOUR of the following :

a) What are the different functions carried out by kernel?

b) How to change file access permissions in Linux?

c) Write the different options supported by grep filter.

d) How to setup loop in a script using until loop structure?

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f) Top most directory of Linux files system is called _____ directory.

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    iii) bin   iv) none of these

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[8 + 8 = 16]

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B.C.S. (Part - III) (Semester - VI) Examination, October - 2014
COMPUTER SCIENCE
Case Study of Linux (Paper - 6.1)
Sub. Code : 55332

Day and Date : Wednesday, 29 - 10 - 2014   **Total Marks : 40**
Time : 3. 00 p.m. to 5.00 p.m.
Instructions :   1)   *All questions are compulsory.*
                     2)   *Figures to right indicate full marks.*

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

a) _____ is a command interpreter.

   i)   shell   ii)   kernel

   iii) cmp   iv)   none of these

b) A file link count one indicate that the file has _____ link.

   i)   one   ii)   no

   iii) more than one   iv)   none of these

c) _____ option used in cut filter to extract specific columns.

   i)   -f   ii)   -c

   iii) -t   iv)   -d

d) User can switch to the command mode of VI always by pressing _____ key.

   i)   backspace   ii)   shift

   iii) enter   iv)   Esc

e) All shell variables are evaluated only in _____.

   i)   single quotes   ii)   back quotes

   iii) double quotes   iv)   none of these

f) Top most directory of Linux files system is called _____ directory.

    i)   home   ii)   root

    iii)   bin   iv)   none of these

g) Using cp command, file can be _____.

    i)   copied   ii)   moved

    iii)   renamed   iv)   all of these

h) The _____ statement provides input to a script from the keyboard.

    i)   accept   ii)   read

    iii)   getline   iv)   get

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

    a)   How to move and copy a file in Linux? Write its difference.

    b)   Explain different command mode commands of VI editor useful for management.

    c)   What is use of cut and paste filters? Give its different examples.

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

    a)   What are the different functions carried out by kernel?

    b)   How to change file access permissions in Linux?

    c)   Write the different options supported by grep filter.

    d)   How to setup loop in a script using until loop structure?

    e)   Write the use of break and continue statements supported by programming.

    f)   Write a shell script to display current months calender on the screen.

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Seat
No.

B.C.S. (Part - III) (Semester - VI) Examination, October - 2014
COMPUTER SCIENCE
Case Study of Linux (Paper - 6.1)
Sub. Code : 55332

Day and Date : Wednesday, 29 - 10 - 2014
Time : 3. 00 p.m. to 5.00 p.m.

Total Marks : 40

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

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

a) _____ is a command interpreter.

i) shell ii) kernel

iii) cmp iv) none of these

b) A file link count one indicate that the file has _____ link.

i) one ii) no

iii) more than one iv) none of these

c) _____ option used in cut filter to extract specific columns.

i) -f ii) -c

iii) -t iv) -d

d) User can switch to the command mode of VI always by pressing _____ key.

i) backspace ii) shift

iii) enter iv) Esc

e) All shell variables are evaluated only in _____.

i) single quotes ii) back quotes

iii) double quotes iv) none of these

P.T.O.

f) Top most directory of Linux files system is called _____ directory.

   i) home   ii) root

   iii) bin   iv) none of these

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   i) copied   ii) moved

   iii) renamed   iv) all of these

h) The _____ statement provides input to a script from the keyboard.

   i) accept   ii) read

   iii) getline   iv) get

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

a) How to move and copy a file in Linux? Write its difference.

b) Explain different command mode commands of VI editor useful for text management.

c) What is use of cut and paste filters? Give its different examples.

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

a) What are the different functions carried out by kernel?

b) How to change file access permissions in Linux?

c) Write the different options supported by grep filter.

d) How to setup loop in a script using until loop structure?

e) Write the use of break and continue statements supported by shell programming.

f) Write a shell script to display current months calender on the screen.

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B.C.A. (Part - III) (Semester - V) Examination, November - 2014

FACULTY OF COMMERCE

Computer Network (Paper - 5.2)

Sub. Code : 50062

Day and Date : Friday, 7 - 11 - 2014

Total Marks : 80

Time : 3.00 p.m. to 6.00 p.m.

Instructions :
1) Attempt any Four questions from Q.1 to Q.6.
2) Question No. 7 is compulsory.
3) Figures to the right indicate full marks.

Q1) a) Define Computer Network and states goals and applications of computer network. **[8]**

b) Explain types of network in detail. **[8]**

Q2) a) Explain wired Transmission Medias in detail. **[8]**

b) Explain propagation methods with example. **[8]**

Q3) a) What do you mean by protocol? Explain goals of layered protocol. **[8]**

b) Explain functions of ISO-OSI reference model. **[8]**

Q4) Explain various Transmission Medias in detail. **[16]**

Q5) a) Explain categories of connectivity devices in detail. [8]

b) What is routing explain it in detail. [8]

Q6) a) Explain Network Components in detail. [8]

b) What are the design issues of the layer. [8]

Q7) Write short notes (Any Two) : [16]

a) Asynchronous Communication

b) Broadcast and point-to-point network

c) IP address and Characteristics of IP address

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Seat
No.

B.C.A. (Part - III) (Semester - V) Examination, November - 2014
SOFTWARE ENGINEERING - II
Sub. Code : 50061

Day and Date : Wednesday, 5 - 11 - 2014　　　　　　　　**Total Marks : 80**

Time : 3.00 p.m. to 6.00 p.m.

Instructions :　　1)　**Solve any 5 questions.**
　　　　　　　　　2)　**Figures to the right indicate full marks**

Q1) Write the answers of following questions in detail.　　　　　**[16]**

　　a)　Explain system design and problem partitioning.

　　b)　Differentiate between functional vs. object oriented approach.

Q2) Explain various functions of software project management.　　**[16]**

Q3) What is testing? Explain any two software testing techniques in detail.　**[16]**

Q4) Write the answers of following questions in detail.　　　　　**[16]**

　　a)　Explain the criteria for hardware acquisition

　　b)　Explain the cohesion and coupling.

Q5) a)　Distinguish between white box testing and black box testing.　**[8]**

　　b)　What is requirement planning? Explain significance of requirement
　　　　planning　　　　　　　　　　　　　　　　　　　　　　**[8]**

Q6) Write the answers of following questions in detail.　　　　　**[16]**

　　a)　Explain software performance evaluation methods.

　　b)　What is decision tree? Explain with suitable example.

Q7) What do you mean by software quality? Explain software quality attributes &
quality control methods used in software projects.　　　　　　　　**[16]**

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Q8) Write short notes on. (Any four)

a) Software Acquisition

b) Project Scheduling

c) Software Project Staffing

d) ISO

e) Decision Table

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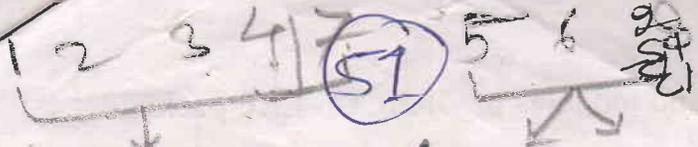
Total No. of Pages : 2

Seat No.

B.C.A. (Part - III) (Semester - V) Examination, November - 2014
ENTERPRISE RESOURCE PLANNING
Sub. Code : 50065

Day and Date : Tuesday, 11 - 11 - 2014

Time : 3.00 p.m. to 6.00 p.m.

Total Marks : 80

Instructions :
1) Attempt any five questions from eight questions.
2) All questions carry equal marks
3) Figures to right indicate full marks.

Q1) What is ERP? Discuss various reasons for growth of ERP Market. [16]

Q2) Explain ERP implementation life cycle with suitable block diagram. [16]

Q3) Explain materials management module of an ERP package with its subsystems. [16]

Q4) What do you mean by BPR? Explain different phases in BPR. [16]

Q5) a) Explain difference between MRP/MRP-II and ERP. [8]

b) What are enabling technologies? Explain in detail. [8]

Q6) a) Explain the advantages & limitations of ERP. [8]

b) Why do many ERP implementations fails? Explain in detail. [8]

Q7) Discuss features and modules of ORACLE-ERP package. [10]

Q8) Write Short Notes (Any Two): [10]

    a)   Hidden Cost of ERP implementation.

    b)   Role of IT in BPR.

    c)   Dairy ERP System.

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Total No. of Pages : 2

Seat No.

B. C. S. (Part - III) (Semester - V) Examination, November - 2014
B.C.S.
COMPUTER SCIENCE (Paper - 5.5)
Java Programming - Part - I
Sub. Code : 55325

Day and Date : Friday, 14- 11 - 2014
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 correct alternative and rewrite the statement : **[8]**

a) _____ is a valid keyword in java.

   i) interface ii) string

   iii) Float iv) unsigned

b) _____ these keyword is used to define packages in Java.

   i) pkg ii) Pkg

   iii) package iv) Package

c) _____ is the operand of arithmetic operators in Java.

   i) Numeric ii) Boolean

   iii) Characters iv) Both (i) & (ii)

d) Decrement operator, –, decreases value of variable by _____ number.

   i) 1 ii) 2

   iii) 3 iv) 4

e) _____ keyword can be used in subclass to call the construct[r] super class.

   i) super ii) this

   iii) extent iv) extends

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Seat No. [ ]

B. C. S. (Part - III) (Semester - V) Examination, November - 2014
B.C.S.
COMPUTER SCIENCE (Paper - 5.5)
Java Programming - Part - I
Sub. Code : 55325

Day and Date : Friday, 14- 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) Select correct alternative and rewrite the statement :   **[8]**

a) _____ is a valid keyword in java.

   i) interface   ii) string

   iii) Float   iv) unsigned

b) _____ these keyword is used to define packages in Java.

   i) pkg   ii) Pkg

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c) _____ is the operand of arithmetic operators in Java.

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   iii) Characters   iv) Both (i) & (ii)

d) Decrement operator, –, decreases value of variable by _____ number.

   i) 1   ii) 2

   iii) 3   iv) 4

e) _____ keyword can be used in subclass to call the constructor of super class.

   i) super   ii) this

   iii) extent   iv) extends

P.T.O.

f) _____ keywords can be used to prevent Method overriding.

    i) static   ii) constant

    iii) protected   iv) final

g) _____ keywords is used to manually throw an exception.

    i) try   ii) finally

    iii) throw   iv) catch

h) _____ is a valid declaration of a Boolean.

    i) boolean b1 = 1;   ii) boolean b2 = 'false';

    iii) boolean b3 = false;   iv) boolean b4 = 'true'

Q2) Attempt any two from following :   **[16]**

    a) Explain Java Virtual Machine [JVM].

    b) What is exception? Explain try-catch block.

    c) Explain overloading and overriding method with example.

Q3) Attempt any four from following :   **[16]**

    a) Explain edition of Java.

    b) List and explain data types used in Java.

    c) What is constructor? Explain types of constructor.

    _____ord.

    ' How to create a package?

    arbage collection.

P.T.O.

B.C.S. (Part - III) (Semester - V) Examination, November - 2014

E-Commerce Part - I (Paper - II) (Elective - II)

Sub. Code : 55327

and Date : Saturday, 15 - 11 - 2014   **Total Marks : 40**

e : 3.00 p.m. to 5.00 p.m.

ructions :   1)   **All questions are compulsory.**

            2)   **Figures to the right indicate full marks.**

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

a)   The buying and selling of goods and services over the internet is called
    _____.

    i)   e-business   ii)   e-commerce

    iii)   e-governance   iv)   e-security

b)   _____ monitors and validate all incoming and outgoing
    communication done by the computer.

    i)   Intranet   ii)   Internet

    iii)   Firewall   iv)   Virus

c)   In _____ cryptography, two keys are created, one is secret key
    and other is the public key.

    i)   symmetric   ii)   asymmetric

    iii)   both   iv)   coding

d)   In the following, _____ is not a natural threat.

    i)   flood   ii)   earth quake

    iii)   Tsunami   iv)   virus

e)   _____ model involves electronic transaction between businesses

    i)   C2B   ii)   B2C

    iii)   B2B   iv)   C2C

f) An IP address consists of strings of _____ bits (ones and zeros)

   i)   32

   ii) 16

   iii) 8

   iv) 4

g) An _____ is a private network software application which is strictly used only in an organisation for information exchange.

   i)   internet

   ii) extranet

   iii) intranet

   iv) interconnection

h) In the following domain names, _____ is an Indian domain.

   i)   .in

   ii) .uk

   iii) .com

   iv) .org

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

   a) What are security issues of computer?

   b) Explain an applications of internet.

   c) Explain the challenges and opportunities of e-commerce.

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

   a) What is cryptography? Explain briefly.

   b) What are the benefits of intranet?

   c) Explain digital signature.

   d) What is web? Explain in brief.

   e) Explain the internet architecture.

   f) Explain the business to business model of e-commerce.

Seat No.

B.C.S. (Part - III) (Semester - V) Examination, November - 2014
E-Commerce Part - I (Paper - II) (Elective - II)
Sub. Code : 55327

Day and Date : Saturday, 15 - 11 - 2014

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 correct alternative and rewrite the statement. [8]

a) The buying and selling of goods and services over the internet is called _____.

i) e-business   ii) e-commerce

iii) e-governance   iv) e-security

b) _____ monitors and validate all incoming and outgoing communication done by the computer.

i) Intranet   ii) Internet

iii) Firewall   iv) Virus

c) In _____ cryptography, two keys are created, one is secret key and other is the public key.

i) symmetric   ii) asymmetric

iii) both   iv) coding

d) In the following, _____ is not a natural threat.

i) flood   ii) earth quake

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e) _____ model involves electronic transaction between businesses.

i) C2B   ii) B2C

iii) B2B   iv) C2C

f) An IP address consists of strings of _____ bits (ones and zeros)

i) 32   ii) 16

iii) 8   iv) 4

g) An _____ is a private network software application which is strictly used only in an organisation for information exchange.

i) internet   ii) extranet

iii) intranet   iv) interconnection

h) In the following domain names, _____ is an Indian domain.

i) .in   ii) .uk

iii) .com   iv) .org

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

a) What are security issues of computer?

b) Explain an applications of internet.

c) Explain the challenges and opportunities of e-commerce.

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

a) What is cryptography? Explain briefly.

b) What are the benefits of intranet?

c) Explain digital signature.

d) What is web? Explain in brief.

e) Explain the internet architecture.

f) Explain the business to business model of e-commerce.

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