Total No. of Printed Pages:2

SUBJECT CODE NO:- Y-2209
FACULTY OF SCIENCE
B.Sc. F.Y (Sem- I) Examination March/April 2017
Computer Science Paper-I CS01
Computer Fundamentals

[Time: 1:30 Hours] **[Max.Marks:50]**

Please check whether you have got the right question paper.

N.B i) Attempt all questions.
ii) Illustrate your answer with suitable diagram.

Q.1 Fill in the blanks. 10

1) ---------- is a group of eight bits used to represent character.
   a) Byte
   b) Nibble
   c) DW
   d) Word.
2) ---------- a collection of records relating to an object such as store, personal user program.
   a) File
   b) Memory
   c) Firewall
   d) None of these.
3) DAT means.
   a) Digital audio Tape.
   b) Digital auto Tape
   c) Digital audio Test.
   d) Digital audio Tape.
4) ---------- is a pointing Input device.
   a) Keyboard
   b) Mouse
   c) Printer
   d) None of these.
5) Central processing unit of computer is also called ----------.
   a) Processor
   b) Predesor
   c) Program
   d) None of these.
6) ---------- is a volatile memory.
   a) RAM
   b) ROM
   c) EPROM
   d) PROM.

7) DRAM means.
   a) Data RAM
   b) Date RAM
   c) Dynamic RAM
   d) Digit RAM.
8) A popular serial printer is ----------.
   a) DOT matrix printer
   b) Inkjet printer
   c) Laser printer
   d) Plotters.
9) OCR means-
   a) Optical character Recognition.
   b) Optical complex Recognition.
   c) Optical cell Recognition.
   d) None of these.
10) The number of cell with each cell storing ---------- constitute a word.
   a) 2 bit
   b) 9 bit
   c) 4 bit
   d) 9 byte.

Q.2 a) Explain the functions of operating system. 05
b) Explain linker and Assembler. 05

OR

What is output device? Explain any two output devices of computer. 10

Q.3 a) Explain second generation of computer. 05
b) Explain Algorithm in detail. 05

OR

State the difference between RAM & ROM. 10

Q.4 a) Explain Assembly Language and machine language. 05
b) Explain Assembler, Loader, Linker, compiler, Interpreter. 05

OR

Explain different type of operating system. 10

Q.5 Write short note on any two. 10
a) Symbols of flow chart.
b) Third generation of computer.
c) Printer
d) DAT.

Total No. of Printed Pages:2

SUBJECT CODE NO:- Y-2210
FACULTY OF SCIENCE
B.Sc. F.Y (Sem- I) Examination March/April 2017
Computer Science Paper-II CS02
Digital Electronics

[Time: 1:30 Hours] **[Max.Marks:50]**

Please check whether you have got the right question paper.

N.B i)Attempt all question
ii) Illustrate your answer with suitable labeled diagram.

Q.1 Multiple choice questions 10

1) A nibble consists of ---- bits
   a) 2 b) 4 c)8 d) 16
2) The three fundamental gates are -----
   a) AND, NAND , XOR
   b) OR, AND , NAND
   c) NOT ,NOR , XOR
   d) NOT , OR , AND
3) ----- is one of the example of synchronous inputs
   a) J-K input
   b) E-N input
   c) Preset input (PRE)
   d) Clear input (CLR)
4) A possible edge -triggered flip flop changes its state when -----
   a) Low –to –high transition of clock
   b) High –to –low transition of clock
   c) Enable input (EN) is set
   d) Preset input (PRE) is set
5) Flip flops are also called ----
   a) Bi- stable dualvibrators
   b) Bi-stable transformer
   c) Bi- stable multivibrators
   d) Bi-stable singlevibrators
6) A decode counter is -----
   a) Mod -3 counter
   b) Mod -5 counter
   c) Mod -8 counter
   d) Mod -10 counter
7) The expression F=A+B+C describe the operation of three bits ----- gate
   a) OR b) AND c) NOT d) NAND

8) The basic building block for a logical circuit is -----
   a) A flip –flop
   b) A logical gate
   c) An adder
   d) None of the above
9) The output of the expression F=A.B.C will be logic ------- when A=1 B=0 C=1
   a) Undefined b) one c) zero d) no output as input is invalid
10) ----- is one of the example of asynchronous inputs
   a) J-K input
   b) S-R input
   c) D- input
   d) Clear input (CLR)

Q.2 a) Draw karnaugh map for following variable function 05
F=Σ m(3,5,6,7) 05

b) Explain with the help of truth table the working of AND and X-OR gate

OR

Design ackt for a binary parallel adder for adding two numbers each of 4-bits and discuss its working 10

Q.3 a) State and explain de Morgan's first theorem 05

b) Explain with logic diagram and truth table for full adder 05

OR

Explain complementation law, commutative law AND and OR laws of Boolean algebra 10

Q.4 a) What is use of flip –flop? explain JK and T flip- flop 05

b) Explain the working of a synchronous serial counter 05

OR

Explain the working of a serial in serial out shift register 10

Q.5 Write short notes on (any two) 10
   a) Ring counter
   b) K-map for 3 variable
   c) Buffer register

2017

Total No. of Printed Pages:2

SUBJECT CODE NO:- Y-2057
FACULTY OF SCIENCE
B.Sc. S.Y (Sem-IV) Examination March/April 2017
Computer Science (Revised)
Database Management and System Using SQL- CS012

[Time: 1:30 Hours] **[Max.Marks:50]**

Please check whether you have got the right question paper.

N.B i) Attempt all questions.
ii) Illustrate your answer with suitable labeled diagram .

Q.1 a) Draw and explain with diagram of DBMS architecture. 10
b) What are the problems with BCNF? 10

OR

a) Discuss the selection, projection and join operator with suitable example. 10
b) Draw and explain ER model of hospital management system. 10

Q.2 a) Distinguish between primary key and foreign key. 10
b) Difference between 10
i) Candidate and alternate key
ii) Relational and traditional file

OR

a) Write a short note on 20
i. Aggregation
ii. Specialization
iii. ER-model
iv. Entities
v. Strong and weak entity set
vi. Normal form

Q.3 Multiple choice questions 10

1. A null means ----------
   a) Unknown
   b) Known
   c) Known partially
   d) None of the above
2. Insert , delete, update and select are put under---------
   a) DLL
   b) TCL
   c) DML
   d) VDL
3. Which is true out of following
   a) (A-B)=(B-A)
   b) (A-B)≠(B-A)
   c) (B-A)=(B-C)
   d) None of the above

2017

4. A row of relation is called as---------
   a) Domain
   b) Tuple
   c) Relation
   d) None of the above
5. Attributes correspond to --------
   a) Rows of table
   b) Column of table
   c) Degree of table
   d) None of the above
6. A relation with degree N is known as ----------
   a) 1-ary relation
   b) N-ary relation
   c) 2-ary-relation
   d) 3-ary relation
7. A set of tuples at any given instant of time is called as ----------
   a) Table
   b) Relation
   c) Extension
   d) None of the above
8. Generalization is ---------- process
   a) Top-down
   b) Bottom – up
   c) Both a & b
   d) None of the above
9. In an ER diagram, attributes are represented by ----------
   a) Rectangle
   b) Square
   c) Ellipse
   d) Triangle
10. ER model uses this symbol to represent weak entity set
    a) Dotted rectangle
    b) Diamond
    c) Double outline rectangle
    d) None of the above

Total No. of Printed Pages:2

SUBJECT CODE NO:- Y-2055
FACULTY OF SCIENCE
B.Sc. S.Y (Sem-IV) Examination March/April 2017
Computer Science - CS011
Programming in CPP(Revised)

[Time:1:30Hours] **[Max.Marks:50]**

Please check whether you have got the right question paper.

N.B i. Attempt all questions.

Q.1 a) Explain the benefits and applications of object-oriented programming language. 10
b) Write a program in C++ to exchange of two integer numbers by using call by reference. 10

OR

a) Explain the program structure of C++ language with example. 10
b) Write a program in C++ to find the largest of two numbers using user-defined function. 10

Q.2 a) What is class? How to define member functions? Briefly explain nesting of member function. 10
b) What is mean by function argument? How to pass objects as function arguments explain in brief. 10

OR

Write shorts notes on. (any four) 20

a) Comparison operators
b) Call by reference
c) Const argument
d) The endl and setw manipulator
e) Copy constructor
f) Over loading unary operators

Q.3 Multiple choice questions. 10

1) The output of

```
Void main ()
{
   Int a=5;
   Int b=10;
Cout << (a>b? a:b);
}
```

a) 5 b) 10 c) syntax error d) none of above

2) The statement i++; is equivalent to ----------.
   a) i = i+i ;
   b) i= i +1;
   c) i = i-1;
   d) i --;

2017

3) The * ptr++ is equivalent to ----------.
   a) Ptr ++
   b) *ptr
   c) ++*ptr
   d) None of the above
4) The default access level assigned to members of a class is ----------.
   a) Private
   b) Public
   c) Protected
   d) Needs to be assigned
5) The definition of cin and cout includes ---------- header file.
   a) i stream .h
   b) ostream .h
   c) iomanip .h
   d) iostream.h
6) ---------- Concepts means wrapping up of data and functions together.
   a) Abstraction
   b) Encapsulation
   c) Inheritance
   d) Polymorphism
7) Which of the following cannot be friend?
   a) Function
   b) Class
   c) Object
   d) Operator function
8) ------ is used for a function defined inside a class.
   a) Member variable
   b) Member function
   c) Class function
   d) Classic function
9) A constructor is called whenever ---------.
   a) An object is declared
   b) An object is used
   c) A class is declared
   d) A Class is used
10) One of the disadvantages of call by reference is that the called function may inadvertently corrupt the caller's data this can be avoided by ----------.
   a) Passing pointers
   b) Declaring the formal parameters constant
   c) Declaring the actual parameters constant
   d) All of the above

Total No. of Printed Pages:2

SUBJECT CODE NO:- Y-2215
FACULTY OF SCIENCE
B.Sc. S.Y (Sem-III) Examination March/April 2017
Computer Science Code - CS07 (VII)
Advance C Programming (Revised)

[Time: 1:30 Hours] **[Max.Marks:50]**

Please check whether you have got the right question paper.

N.B 1) Attempt all questions.

Q.1 a) What is structure? explain the concept nested structure with an example 10
b) What is pointer? Explain with suitable example. Explain pointer arithmetic in detail. 10

OR

a) Explain automatic ,static exter and register storage classes 10
b) Explain the data conversion function in brief 10

Q.2 a) What is command line argument? Explain command line argument with example 10
b) Write a program in C to draw simple pictures (human face, clock hut etc.) using graphics functions 10

OR

a) Write short notes on (any four) 20
1) Preprocessor directives
2) Library function
3) Union
4) String handling function
5) Graphics in C
6) Recursion

Q.3 Multiple choice questions 10
1) Which of the following is keyword used for a storage class?
a) Print f
b) External
c) auto
d) Scant
2) The prototype of function in header file is -----
a) Stdio.h
b) Stdlib.h
c) Conio.h
d) Io.h
3) The order in which actual argument are evaluated in function call -----
a) Is from the left
b) Is from the right
c) Is complier dependent
d) None of the above

2017

4) For accessing a structure element using a pointer you must use ----
   a) Pointer operator (&)
   b) Dot operator (0)
   c) Pointer operator (*)
   d) Arrow operator (→)
5) Which of the following is not keyboard of C?
   a) Auto
   b) Register
   c) int
   d) Function
6) Which operator is used to connect structure name to its member name?
   a) dot operator (0)
   b) logical operator (&&)
   c) pointer operator (*)
   d) Arrow operator (→)
7) As soon as pointer variable freed its value -------
   a) Is set to null
   b) Becomes unpredictable
   c) Is set to 1
   d) Remains the same
8) C language is available for which of the following operating systems?
   a) Dos
   b) Windows
   c) Unix
   d) All of the above
9) String constants should be enclosed between -----
   a) Single quotes
   b) Double quotes
   c) Both A and B option
   d) None of these
10) Symbolic constants can be defined using -----
   a) # define
   b) Const
   c) Symbols
   d) None if these

Total No. of Printed Pages:2

SUBJECT CODE NO:- Y-2210
FACULTY OF SCIENCE
B.Sc. F.Y (Sem- I) Examination March/April 2017
Computer Science Paper-II CS02
Digital Electronics

[Time: 1:30 Hours] **[Max.Marks:50]**

Please check whether you have got the right question paper.

N.B i)Attempt all question
ii) Illustrate your answer with suitable labeled diagram.

Q.1 Multiple choice questions 10

1) A nibble consists of ---- bits
   a) 2 b) 4 c)8 d) 16
2) The three fundamental gates are -----
   a) AND, NAND , XOR
   b) OR, AND , NAND
   c) NOT ,NOR , XOR
   d) NOT , OR , AND
3) ----- is one of the example of synchronous inputs
   a) J-K input
   b) E-N input
   c) Preset input (PRE)
   d) Clear input (CLR)
4) A possible edge -triggered flip flop changes its state when -----
   a) Low –to –high transition of clock
   b) High –to –low transition of clock
   c) Enable input (EN) is set
   d) Preset input (PRE) is set
5) Flip flops are also called ----
   a) Bi- stable dualvibrators
   b) Bi-stable transformer
   c) Bi- stable multivibrators
   d) Bi-stable singlevibrators
6) A decode counter is -----
   a) Mod -3 counter
   b) Mod -5 counter
   c) Mod -8 counter
   d) Mod -10 counter
7) The expression F=A+B+C describe the operation of three bits ----- gate
   a) OR b) AND c) NOT d) NAND

8) The basic building block for a logical circuit is -----
   a) A flip –flop
   b) A logical gate
   c) An adder
   d) None of the above
9) The output of the expression F=A.B.C will be logic ------- when A=1 B=0 C=1
   a) Undefined b) one c) zero d) no output as input is invalid
10) ----- is one of the example of asynchronous inputs
   a) J-K input
   b) S-R input
   c) D- input
   d) Clear input (CLR)

Q.2 a) Draw karnaugh map for following variable function 05
F=Σ m(3,5,6,7) 05

b) Explain with the help of truth table the working of AND and X-OR gate

OR

Design ackt for a binary parallel adder for adding two numbers each of 4-bits and discuss its working 10

Q.3 a) State and explain de Morgan's first theorem 05

b) Explain with logic diagram and truth table for full adder 05

OR

Explain complementation law, commutative law AND and OR laws of Boolean algebra 10

Q.4 a) What is use of flip –flop? explain JK and T flip- flop 05

b) Explain the working of a synchronous serial counter 05

OR

Explain the working of a serial in serial out shift register 10

Q.5 Write short notes on (any two) 10
   a) Ring counter
   b) K-map for 3 variable
   c) Buffer register

2017

Total No. of Printed Pages:2

SUBJECT CODE NO:- Y-2035
FACULTY OF SCIENCE
B.Sc. T.Y (Sem-VI) Examination March/April 2017
Computer Science Paper-CSO-19 (Revised)
(Data Communication & Networking)

[Time: 1:30 Hours] **[Max.Marks:50]**

Please check whether you have got the right question paper.

N.B i) Attempt all questions.
ii) Illustrate your answer with suitable labeled diagram.

Q.1 a) What is topology? Explain mesh, star and tree topology with its advantages and disadvantages. 10
b) Explain different types of unguided media with an example. 10

OR

a) Explain advantages and application of computer network. 10
b) What is modulation? Explain phase modulation techniques. 10

Q.2 a) Explain any two mobile telephone generation. 10
b) What are differences between parallel and serial transmission. 10

OR

Write short notes on (any four) 20

a) Spectrum allocation
b) Satellite communication
c) Analog and digital signals
d) Digital and analog conversion
e) Computer network types
f) Demodulation techniques

Q.3 Multiple choice questions. 10

1. Modulation process includes……
   a) Analog to digital conversion.
   b) Digital to analog conversion.
   c) Both of A and B.
   d) None of the above.
2. ADSL is the abbreviation of…….
   a) Asymmetric dual subscriber line.
   b) Asymmetric digital system line.
   c) Asymmetric dual system line.
   d) Asymmetric digital subscriber line.

3. A communication path way that transfers data from one point to another is called……..
   a) Node
   b) Link
   c) Medium
   d) Topology
4. Twisted pair and coaxial cable are used……
   a) Light
   b) Copper
   c) Unwired
   d) Wireless
5. Transmission media are usually categorized as……
   a) Fixed or unfixed
   b) Determinate or indeterminate
   c) Guided or unguided
   d) Metallic or nonmetallic
6. How many pins of RJ-45 connectors are required when used in 10 base-T networks?
   a) 8
   b) 4
   c) 2
   d) 6
7. Which of the following is a disadvantage for networks with bus topology?
   a) Less cabling than ring
   b) Needs a central
   c) Cheaper connectors
   d) Cable faults down entire network
8. Roaming is feature of……..
   a) Cellular telephone
   b) Cellular data
   c) Cellular frames
   d) Cellular signals
9. Second generation of cellular phone network was developed, to provide higher-quality mobile
   a) Data communications
   b) Signals communication
   c) Frame communication
   d) Voice communication
10. Combination of two or more topologies ared called……..
    a) Star
    b) Bus
    c) Ring
    d) hybrid

Total No. of Printed Pages:2

SUBJECT CODE NO:- Y-2036
FACULTY OF SCIENCE
B.Sc. T.Y (Sem-VI) Examination March/April 2017
Computer Science Paper-CSO-20 (Revised)
(Ethics & Cyber Low)

[Time: 1:30 Hours] **[Max.Marks:50]**

Please check whether you have got the right question paper.

N.B 1) All questions are compulsory.
2) All questions carry equal marks.

Q.1 Multiple choice questions. 10

1) --------is the encryption system that uses 2 keys: a public key that everyone can have & a private key for only the recipient.
   a) Encryption
   b) Public key encryption
   c) Intrusion detection
   d) Security auditing software
2) Digital signature is ----------
   a) Scanned signature
   b) Code number of sender
   c) Public key encryption
   d) Software to recognize signature
3) The internet is ---------
   a) Network of networks
   b) Web site
   c) Host
   d) Sever
4) Controller of certifying authorities (CCA) work under----------
   a) Prime minister office
   b) Reserve banks of India
   c) Ministry of communication & IT
   d) None
5) IT act India was amended in
   a) 2000
   b) 2004
   c) 2008
   d) 2010
6) ----------is the example of intellectual property
   a) Patent
   b) Trade marks
   c) Copyrights
   d) All of above

7) ----------refers to all the internet & WWW.
   a) Cyber crime
   b) Cyber law
   c) Data
   d) None
8) To determine what is right & wrong and then doing the right things is called as ----------
   a) Moral
   b) Ethics
   c) Law
   d) Patent
9) ----------is the process of changing intelligible data into unintelligible data.
   a) Encryption
   b) Decryption
   c) EDI
   d) None
10) The digital certificate is issued by ----------.
   a) Government
   b) IT
   c) Certifying authority
   d) None

Q.2 a) What is cyber jurisprudence? Explain. 10

b) Explain digital signature in brief 10

OR

a) Write and explain the role & functions of certifying authority. 10

b) Define digital contract. Explain its law in brief. 10

Q.3 a) Give & explain the issues in E-business management. 10

b) Explain in details cybercrimes and cyber law. 10

OR

a) Write short note on (any 4) 20
   1) Intellectual property
   2) E-governance
   3) Internet technology
   4) Scope of cyber law
   5) Cryptography

OR

Total No. of Printed Pages:2

SUBJECT CODE NO:- Y-2036
FACULTY OF SCIENCE
B.Sc. T.Y (Sem-VI) Examination March/April 2017
Computer Science Paper-CSO-20 (Revised)
(E-Commerce)

[Time: 1:30 Hours] **[Max.Marks:50]**

Please check whether you have got the right question paper.

N.B 1) All questions are compulsory.

Q.1 a) Define and explain term E-commerce? Give the advantages of E-commerce? 10
b) Write in detail the cryptographic techniques? 10

OR

a) Define EDI and explain advantages of EDI? 10
b) Write in detail certification and key distribution? 10

Q.2 a) Explain the functioning of digital signature with diagram? 10
b) Explain PC and networking in detail? 10

OR

Write short notes on (any four) 20
a) I-way
b) SET protocol
c) Public key algorithm
d) IT and method
e) E-mail method
f) Hashing techniques

Q.3 Fill in the blanks 10
1) The concept of electronic cash is to execute payment by ----------
a) Credit card
b) ATM card
c) Using computer over network
d) Cheque
2) E- commerce infrastructure involves----------
a) Web servers
b) E-catlogs
c) Network
d) All of these

3) B2B e- commerce focuses on ----------
   a) Buyers
   b) Organisations
   c) Sellers
   d) All of these
4) A digital signature is ----------
   a) Scanned signature
   b) Signature in binary form
   c) Encrypting information
   d) Hand written signature
5) Electronic credit cards can be ----------
   a) Unencrypter form only
   b) Encrypter form only
   c) Both a and b
   d) None of these
6) ----------is not an element of EDI.
   a) Data formatting standard
   b) EDI translators
   c) Electronic fund
   d) Data transfer by emails.
7) Electronic cheques are another form of electronic ----------
   a) Tokens
   b) Tasks
   c) Bothe a and b
   d) None of these
8) EFT stands for ----------
   a) Electric fund transfer
   b) Electronic fund transfer
   c) Both a and b
   d) None of above
9) Internet access components in e-commerce infrastructure involves---------
   a) TCP/IP package
   b) Kiosks
   c) Web browser
   d) All of these
10) EDI uses ----------to differentiate between original message and copy of the message.
   a) CRC check
   b) Time stamping
   c) Error check
   d) None of these

Total No. of Printed Pages:2

SUBJECT CODE NO:- Y-2209
FACULTY OF SCIENCE
B.Sc. F.Y (Sem- I) Examination March/April 2017
Computer Science Paper-I CS01
Computer Fundamentals

[Time: 1:30 Hours] **[Max.Marks:50]**

Please check whether you have got the right question paper.

N.B i) Attempt all questions.
ii) Illustrate your answer with suitable diagram.

Q.1 Fill in the blanks. 10

1) ---------- is a group of eight bits used to represent character.
   a) Byte
   b) Nibble
   c) DW
   d) Word.
2) ---------- a collection of records relating to an object such as store, personal user program.
   a) File
   b) Memory
   c) Firewall
   d) None of these.
3) DAT means.
   a) Digital audio Tape.
   b) Digital auto Tape
   c) Digital audio Test.
   d) Digital audio Tape.
4) ---------- is a pointing Input device.
   a) Keyboard
   b) Mouse
   c) Printer
   d) None of these.
5) Central processing unit of computer is also called ----------.
   a) Processor
   b) Predesor
   c) Program
   d) None of these.
6) ---------- is a volatile memory.
   a) RAM
   b) ROM
   c) EPROM
   d) PROM.

7) DRAM means.
   a) Data RAM
   b) Date RAM
   c) Dynamic RAM
   d) Digit RAM.
8) A popular serial printer is ----------.
   a) DOT matrix printer
   b) Inkjet printer
   c) Laser printer
   d) Plotters.
9) OCR means-
   a) Optical character Recognition.
   b) Optical complex Recognition.
   c) Optical cell Recognition.
   d) None of these.
10) The number of cell with each cell storing ---------- constitute a word.
   a) 2 bit
   b) 9 bit
   c) 4 bit
   d) 9 byte.

Q.2 a) Explain the functions of operating system. 05
b) Explain linker and Assembler. 05

OR

What is output device? Explain any two output devices of computer. 10

Q.3 a) Explain second generation of computer. 05
b) Explain Algorithm in detail. 05

OR

State the difference between RAM & ROM. 10

Q.4 a) Explain Assembly Language and machine language. 05
b) Explain Assembler, Loader, Linker, compiler, Interpreter. 05

OR

Explain different type of operating system. 10

Q.5 Write short note on any two. 10
a) Symbols of flow chart.
b) Third generation of computer.
c) Printer
d) DAT.

Total No. of Printed Pages:02

SUBJECT CODE NO:- Y-2195
FACULTY OF SCIENCE
B.Sc. T.Y (Sem-V) Examination March/April 2017
Computer Science Paper- CS- 016
(Web Designing) (Revised)

[Time: 1:30 Hours] **[Max.Marks:50]**

Please check whether you have got the right question paper.

N.B i) Attempt all questions
ii) Give the example whenever necessary.

Q.1	A	Define array in Java script.	10
	B	What is Hyperlinks? How to add the image to HTML document?	10
		Or	
	A	Explain operators of Java script with example.	10
	B	Explain DOM concepts of Java script.	10
Q.2	A	What is cascading style sheet? Explain with example.	10
	B	Explain keyboard and mouse event with example in Java script.	10
		Or	
		Write short note on (any four)	20

a) Class selector
b) String functions in java script.
c) HTML 5
d) Rules for naming variable
e) Table tags.

Q.3 Multiple choice questions. 10

1 ……is defined as the study of meaning of linguistic expressions.
a) Semantic
b) Markup language
c) HTML
d) None

2 HTML 5 originates from HTML……..
a) 4.01
b) 3.01
c) XHTML
d) None

3 ……tag is used to provide simple content embedded.
a) <embed>
b) Img
c) Object
d) None

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4 ……..tag is used for contact information.
   a) <attr>
   b) <area>
   c) <address>
   d) None
5 Var pizzaparts [‘pepperoni’,’onion’] is example of …….arrays.
   a) Literal
   b) Condensed
   c) Both a & b
   d) none
6 A style in CSS is composed of ……..parts.
   a) 4
   b) 3
   c) 2
   d) 1
7 In CSS ……color is represented by # FFFFFF hex value.
   a) Black
   b) White
   c) Green
   d) None
8 The ……..element contains hidden information such as metadata that describe the HTML document and instructions.
   a) <html>
   b) <body>
   c) <head>
   d) None
9 Calculating the specificity of a selector is based on ……levels of magnitude.
   a) One
   b) Two
   c) Three
   d) four
10 ……tag is used to table column
   a) <col>
   b) <co>
   c) <code>
   d) none

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SUBJECT CODE NO:- Y-2195
FACULTY OF SCIENCE
B.Sc. T.Y (Sem-V) Examination March/April 2017
Computer Science Paper- CS- 016
(VB Net) (Revised)

[Time: 1:30 Hours] **[Max.Marks:50]**

Please check whether you have got the right question paper.

N.B i) Attempt all questions
ii) Illustrate your answer with suitable labeled diagram.

Q.1 A What are the various looping statements in VB.Net? explain 10
B Explain type of forms. 10
Or
C Describe .Net framework architecture. 10
D Explain rich tex box , check box, group boxes control in detail. 10

Q.2 A Explain the following with properties and methods. 10
i) List box
ii) Combo box
iii) Scroll bars
iv) Panels
v) Radio button
B What is constructor? Explain with an example. 10
Or
Write short note on (any four) 20
a) Creating classes
b) Event-driven programming
c) Methods
d) Control statements
e) Object-oriented programming
f) Exception handling

Q.3 Multiple choice questions. 10
1 Which of the following loop structure does not supported by VB.Net?
a) Do ……..loop
b) For……Next
c) Do……..while
d) For each ……..while

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2 The function procedure are…….by default
   a) Public
   b) Private
   c) Protected
   d) Inherited
3 The ……enable us to pass data between a program and a class
   a) Functions
   b) Properties
   c) Procedures
   d) variables
4 Whenever an application is created a ……is added.
   a) Form
   b) Class
   c) Property
   d) Object
5 A …….. performs invisible tasks even if you write no code.
   a) Destructor
   b) Private method
   c) Constructor
   d) function
6 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
7 Which of the following is not a common control event?
   a) Click
   b) Single click
   c) Double click
   d) Mouse move.
8 The tick event is found only in which object?
   a) Button
   b) Textbox
   c) Label
   d) timer
9 An object if composed of ……
   a) properties
   b) methods
   c) events
   d) all of the above.
10 What does IDE stands for?
   a) Integrated Developments Environment
   b) Integrated Design Environment.
   c) Interior Development Environment
   d) Interior Design Environment.

Total No. of Printed Pages:2

SUBJECT CODE NO:- Y-2193
FACULTY OF SCIENCE
B.Sc. T.Y (Sem-V) Examination March/April 2017
Computer Science Paper CS 015
(Software Engineering) (Revised)

[Time: 1:30 Hours] **[Max.Marks:50]**

Please check whether you have got the right question paper.

N.B Attempt all questions.

Q.1 a) Define software? Explain software myths in detail? 10
b) Explain phases of unified process? 10

Or

a) Describe agility in your own words? 10
b) Explain communications principles? 10

Q.2 a) Explain attributes encountered in web apps? 10
b) Explain incremental model with suitable diagram? 10

Or

Write short notes on (any four) 20
a) Problem partitioning
b) Industrial XP
c) Umbrella activities
d) XP values
e) Enlist planning principles
f) Software characteristics

Q.3 Fill in the blank 10
1) The spiral model was developed by _____
   a) Garry bohem
   b) Barry bohem
   c) Garry bob
   d) None of these
2) SDLC stands for ____
   a) Softy definition model
   b) Hard working model
   c) Software development model
   d) None of these
3) Software is ____ that enables the program to adequately manipulate information
   a) Raw data
   b) Hard data
   c) Soft data
   d) Data structure

4) The foundation for software engineering is ____ layer
   a) Product
   b) Method
   c) Process
   d) Hardware
5) The _____ sometimes called as classic life cycle model
   a) Spiral model
   b) Waterfall model
   c) Incremental
   d) Viral model
6) In ___ development, there lengthy documentation is not created
   a) Versatile
   b) Volatile
   c) Aggressive
   d) Agile
7) In incremental model requirement need to be ____
   a) Local
   b) Global
   c) Prioritized
   d) Random
8) ____ and construction activities begin with the identification of candidate components
   a) Design
   b) Testing
   c) Modelling
   d) None of these
9) ____ is considered in requirement analysis
   a) Traceability
   b) Finding
   c) Sequence
   d) None of these
10) ____ is actually a process of elaboration
   a) Concurrency
   b) Efficiency
   c) Refinement
   d) None of these