

[Time: 1:30 Hours]

Please check whether you have got the right question paper.

N.B

- i) All questions carry equal marks.
- ii) All questions are compulsory.

Q.1 Multiple choice questions.

1. Which is the correct HTML tag for inserting a line-break?
 - a)

 - b) <lb>
 - c) <break>
 - d) <newline>

2. There are _____ different levels of heading tags in HTML
 - a) 4
 - b) 5
 - c) 6
 - d) 7

3. Text within ----- tag is displayed as _____
 - a) Bold
 - b) Italic
 - c) List
 - d) Indented

4. Choose the correct HTML tag to make a text bold?
 - a)
 - b) <bold>
 - c) <bb>
 - d) <bld>

5. A script that executes when the user clicks the mouse button is an example of what?
 - a) An object
 - b) A mouse click
 - c) A compiler
 - d) An event handler

6 a. #body
 7 d. oninvalid
 8 style:

9(a) Semicolon
 10(b) <head>

6. Which is the correct CSS syntax?

- a) # body {color : green;}
- b) # body {color ; green}
- c) # body {color = green}
- d) # body : color = green;

7. Which of the following attribute triggers event when an element is invalid?

- a) onhashchange
- b) oninput
- c) oninvalid
- d) onvalidate

8. To use inline styles you use the style attribute in the _____ tag.

- a) Style tag
- b) Relevant tag
- c) Link tag
- d) None of the above

9. A CSS declaration always ends with a _____, and declaration groups are surrounded by _____.

- a) Semicolon and curly brackets
- b) Semicolon and square brackets
- c) Both A and B
- d) None of the above

10. Tags and Text that are not directly displayed on the page are written in _____ section.

- a) <html>
- b) <head>
- c) <title>
- d) <body>

Q.2 a) Write a script to add two numbers and display the result on webpage. 05

b) Explain External CSS with example. 05

OR

c) How we can create table in html 5? Which elements and attributes are used to create table? Explain with example. 10

- Q.3 a) Explain the steps to create image as hyperlink with example.
 b) Explain any three array methods used in JavaScript with example.

OR

- c) Explain border properties in detail with example.

- Q.4 a) Explain element in detail.
 b) Explain class selector with example.

OR

- c) Explain different DOM search methods used in JavaScript

- Q.5 Write short notes on: (Any Two)

- a) <Style>.element
- b) <header>.element
- c) Padding properties
- d) Alert function

2018

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SUBJECT CODE NO: D-4035
FACULTY OF SCIENCE
B.Sc.(Computer Science) S.Y (Sem-IV) Examination March/April, 2018
Web Fundamentals -CS406-T
(Revised)

[Time: 1:30 Hours]

[Max. Marks: 50]

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10

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2018

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05
05

10

05
05

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2018

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28/3/18

[Time: 1:30 Hours]

[Max.Marks:50]

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Q1

Multiple choice questions.

- 1) What is the range of data type short in Java?
 - a) -128 to 127
 - b) -32768 to 32767
 - c) -214748348 to 21478347
 - d) None of above

- 2) An expression involving byte, int, and literal numbers is promoted to which of these?
 - a) Int
 - b) Long
 - c) Byte
 - d) Float

- 3) Which data type value is returned by all transcendental math functions?
 - a) Int
 - b) Float
 - c) Double
 - d) Long

- 4) Modules operator, %, can be applied to which of these?
 - a) Integers
 - b) Floating point numbers
 - c) Both a and b
 - d) None of the above

- 5) Which of these keywords is used to make a class?
 - a) Class
 - b) Struct
 - c) Int
 - d) None of the above

1 b
2 a
3 c
4 q
5 a
6 c
7 b
8 q
9 d
10 b

10

6) Which is the return type of a method that does not returns any value?

- a) Int
- b) Float
- c) Void
- d) Double

7) What is the process of defining more than one method in a class differentiated by method signature?

- a) Function overriding
- b) Function overloading
- c) Function doubling
- d) None of the above

8) String in Java is a?

- a) Class
- b) Object
- c) Variable
- d) Character array

9) Which of these methods of string class is used to obtain character at specified index?

- a) Char()
- b) Charat()
- c) charat()
- d) ChairAt()

10) A class member declared protected becomes member of subclass of which types?

- a) Public member
- b) Private member
- c) Protected member
- d) Static member

a) What is an abstraction? Explain with example.

b) What is an encapsulation? Explain with example.

c) Explain the all concepts of object programming along with examples.

05

05

OR

10

- Q3
- a) What is a method? Explain with example. 05
 - b) Define a constructor and explain with an example. 05
- OR**
- a) What is an array? Explain its types with suitable examples. 10
- Q4
- a) What is a super keyword? Explain with an example. 05
 - b) Explain the types of inheritance. 05
- OR**
- c) What is an interface? Explain the implementation of interfaces in the class with suitable example. 10
- Q5
- Write short notes on (Any Two)
- a) Naming conventions
 - b) Multiple catch statements
 - c) Life cycle of a thread
 - d) Catch and finally statement

[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 label diagram.

Q.1 Explain methods of inputstream and outputstream classes with suitable example. 20

OR

Write and applet to demonstrate passing parameters applet and explain life cycle of applet.

Q.2 Explain drawing method of the graphics classes with examples. 20

OR

Write a short note on any four of the following (each 5 marks)

- a) Domain name service
- b) URL class
- c) Client/server
- d) AWT controls
- e) Event handling
- f) Reader and writer class.

Q.3 Multiple choice questions.

- 1) Which of these classes are used by byte streams for input and output?
 a) inputstream b) Reader c) Inputoutputstream d) All of the mentioned
- 2) Which of these classes is used to read from byte array?
 a) Inputstream b) BufferInputStream c) ArrayInputStream d) ByteArrayInput_stream
- 3) Which of these packages contains classes and interfaces for networking?
 a) Java.io b) Java.util c) java.net d) java. Network
- 4) How many ports of TCP/IP are reserved for specific protocols?
 a) 10 b) 1024 c) 2048 d) 512
- 5) Which of these data types is used to store command line arguments?
 a) Array b) Stack c) String d) integer
- 6) Which of these keywords are used to define an abstract class?
 a) abst b) abstract c) abstract class d) abstract
- 7) Which of these methods is used to know the full URL of an URL object?
 a) fullHost () b) getHost () c) externalForm () d) toExternalForm ()
- 8) Which of these keywords are used for the block to be examined for exceptions?
 a) try b) catch c) throw d) check
- 9) Which of these packages is used for text formatting in java programming?
 a) Java.text b) Java.awt c) Java.awt.text d) Java.io
- 10) Which of this class can be used to format dates and times?
 a) Date b) SimpleDate c) DateFormat d) textFormat

[Time: 1:30 Hours]

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[Time: 1:30 Hours]

[Max. Marks: 50]

N.B

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

Q.1 Explain types of basic data types of Java with examples of each data type.

20

OR

Explain types of constructors with suitable examples

Q.2 Explain types of inheritance with suitable examples.

20

OR

Write note on any four of the following.

- a) Interfaces
- b) String class
- c) Method overloading
- d) Method overriding
- e) Throws and finally
- f) Thread methods.

Q.3 Multiple choice questions

10

i) What keyword use in java to define a Constant?

- a) Static
- b) final
- c) abstract
- d) private

ii) is default access specifier in Java.

- a) Friendly
- b) private
- c) protected
- d) public

iii) inheritance is not Supported by JAVA.

- a) Multiple
- b) Multilevel
- c) Hierarchical
- d) Hybrid

iv) is a special method in Java that enables an object to initialize itself when it is created

- a) Constructed
- b) destructor
- c) static
- d) final

v) method must be override in the subclass.

- a) public
- b) final
- c) abstract
- d) static

vi) We cannot create a subclass of class

- a) Abstract
- b) public
- c) static
- d) final

vii) keyword used to inherit a class.

- a) extend
- b) extends
- c) implement
- d) implements

- viii) defines only abstract methods and final fields.
a) Interface b) Final class c) Abstract class d) class
- ix) Range of short variable is
a) -128 to 128 b) -128 to 127 c) -32768 to 32767 d) -32768 to 32768
- x) All syntax errors are known as..... Errors.
a) Run-time b) Exception c) Logical d) Compile-time.

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B6-U25

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Total No. of Printed Pages: 2

SUBJECT CODE NO.: W-4054

FACULTY OF SCIENCE

B.Sc. (C.S.) S.Y (Sem. IV) Examination March/April 2016

Web Fundamentals CS406-T

(Revised)

[Max. Marks: 50]

[Time: 1:30 Hours]

"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 How we can create a table in html 5? Which elements and attributes are used to create table? Explain in detail with example. 20

OR

What is array? Explain different array methods used in JavaScript?

Q.2 Explain types of selectors used in CSS3 with suitable example 20

OR

Write short Notes on any four of the following. Each carry 05 marks.

- a) Empty elements
- b) Inline frames
- c) Margin properties
- d) Window Events
- e) Confirm Message box

f) Padding properties

Q.3 Multiple choice questions:

C 1) You want to indicate an important item in your content text. Which element do you use?
a) b) c) d) <i>

B 2) Which element can you add in <map> element for creating clickable regions on the image.
a) <a> b) <area> c) d) <href>

b 3) How can you make a numbered list?
a) <dl> b) c) <list> d)

d 4) How can you make an e-mail link?
a)
b) <mail href= abc@gmail.com>
c) <mail> abc@gmail.com</mail>
d)

b 5) Which attribute is used to name an element uniquely?
a) Class b) id c) dot d) all of above

b 6) The----- property specifies of an element other floating elements are not allowed.
a) Cleared b) clear c) float d) Both A & B above

b 7) A font that has curls at the top and bottom of its characters belongs to which family group?
a) Monospace b) serif c) san-serif d) cursive

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W-2016

b 9. funtⁿ

C 10. strings,

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ul(x)+42x98
3+2+1x4

- 8) JavaScript----- are containers for storing data values.
a) Functions b) Arrays c) variables d) objects
- 9) A Javascript ----- is a block of code designed to perform a particular task.
a) Array b) Function c) Variables d) Events.
- 10) JavaScript----- are used for storing and manipulating text
a) Variables b) Operators c) Strings d) Objects

Total No. of Printed Pages:2

SUBJECT CODE NO:- W-4005

FACULTY OF SCIENCE

BSc.(C.S) S.Y (Sem. IV) Examination March/April 2016
Software Engineering- I-CS401-T
(Revised)

[Max. Marks: 50]

[Time: 1:30 Hours]

"Please check whether you have got the right question paper."

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

20

Q.1 Define software engineering Describe following process model with neat diagram

1. Waterfall Model
2. Incremental Model

OR

What is Agility? Explain Agility principles. Explain extreme programming with suitable diagram

20

Q.2 Explain different principles used in communication practices and planning practices.

20

OR

Write short notes on any four

20

1. Software characteristics
2. Personal software process
3. Feature driven Development
4. Scrum
5. Analysis modeling Principles
6. Formal Methods Model

Q.3 Multiple Choice questions

10

1. SRS Stands for
a) Software Requirement Solutions b) Software Requirements Specifications
c) System Requirements Solutions d) None of the above
2. Project risk factor is considered in
a) Waterfall Model b) Prototyping Model c) Spiral Model d) Interactive enhancement Model
3. Beta testing is carried out by
a) Users b) Developers c) System Analyst d) None of the above
4. Which three framework activities are present in adaptive software development
a) analysis, design, coding b) requirements gathering, adaptive cycle planning, iterative development
c) Speculation, collaboration, learning d) analysis, coding, testing
5. Who is responsible for sprint meeting?
a) Product owner b) Scrum team c) Scrum master d) All of the above.
6. When acceptance testing is performed agile development
a) On request of customer b) After system is ready c) At the end of each iteration d) Daily

W-2016

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7. What is a prototype?
- a) Mini-model of existing system
 - b) Mini model of the proposed system
 - c) Working model of the existing system
 - d) None of the above
8. The initial focus of testing is at the component level is called as _____
- a) Validation testing
 - b) unit testing
 - c) integration testing
 - d) acceptance testing
9. The template for defining a feature in FDD is
- a)<action> the <object> a (n) <result>
 - b)<action>the <result>a (n) <action>
 - c)<action>the <result> <bj|for|of|to> a(n)<object>
 - d) None of the above
10. What is the first step of requirement elicitation
- a)Identifying stakeholders
 - b)Listing out requirement
 - c)Requirements gathering
 - d) None of the above

[Time: 1:30 Hours]

Please check whether you have got the right question paper.

N.B

20

Q.1 Describe the steps to perform JOINS in a parallel database.
OR

Describe the various concurrency control techniques.

20

Q.2 Explain, insert, update & delete operations of SQL.
OR

Write short notes on. (any four)

- a) Storage access
- b) Tertiary storage
- c) Distributed system
- d) Recoverability
- e) Transaction processing
- f) SQL

10

Q.3 Fill in the blanks.

- a) The ----- consists of a group of one or more characters that has a specific meaning.
- b) Files are referred to as ----- in database terminology.
- c) Most relational DBMSs support -----.
- d) The ----- view in access is used when it is time enter the data into a table.
- e) The > = and < commands are types of -----.
- f) ----- is used to add a row using SQL in a database.
- g) SQL data definition commands make up -----.
- h) A sub query an SQL SELECT statement enclosed in -----.
- i) The result of a SQL SELECT statement is -----.
- j) To remove duplicate rows from the results of an SQL SELECT statement, the ----- qualifier specified must be included.

2017

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SUBJECT CODE NO:- D-4012

FACULTY OF SCIENCE

B.Sc.(Computer Science) S.Y (Sem-IV) Examination March/April 2018

Advanced Database Management System-CS405-T

Total No. of Printed Pages:3

SUBJECT CODE NO:- D-4012

FACULTY OF SCIENCE

B.Sc.(Computer Science) S.Y (Sem-IV) Examination March/April 2018

Advanced Database Management System-CS405-T

(Revised)

[Time: 1:30 Hours]

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Q.1 Fill in the blanks.

10

- 1) DDL = -----
 a) Data Documentation Language
 b) Data Definition Language
 c) Document Definition Language
 d) Database Documentation Language
- 2) Main memory is ----- memory.
 a) Temporary
 b) Permanent
 c) a and b
 d) None of above
- 3) Data striping consists of ----- the bits of each byte across multiple disks.
 a) Combining
 b) Splitting
 c) Both a & b
 d) None of above
- 4) MTTF = -----
 a) Mean Time To Fetch
 b) Mean Time To Failure
 c) Minimum Time To Find
 d) Maximum Time To Find
- 5) ----- is a time from read or write request to when data transfer begin.
 a) Seek time
 b) Access time
 c) Recovery time
 d) Rest time

1 Data
 2 Tern
 3 spii
 4 Mean Time to Failure
 5 b Access time
 6 b Aborted
 7 b Shadow copy
 8 c Both a & b
 9 b periodic
 10 a Distributive

- 6) A transaction that not completed its execution successfully is said to be -----
 a) Completed
(b) Aborted
 c) Committed
 d) Rollback
- 7) The recovery management scheme which is based on making copies of the database is called as ----- scheme.
 a) Masking
(b) Shadow copy
 c) Duplicate
 d) Active
- 8) If a transaction T_i has obtained an exclusive -mode lock on item Q then T_i can ----- Q.
 a) Read
 b) Write
(c) Both a & b
 d) Do nothing on
- 9) Checkpoint process performs ----- checkpoints.
 a) One
(b) Periodic
 c) Two
 d) None of above
- 10) ----- database system handle geographically or administratively distributed data spread across multiple database systems.
(a) Distributed
 b) Parallel
 c) Both a & b
 d) None of above

Q.2 a) Differentiate between Magnetic Disk & Optical Disk. 05
 b) Explain RAID level 3. 05

OR

c) How the reliability of the disk is improved using redundancy? 10

Q.3 Consider a student table, tab student (PRN, Name, DOB, Gender, Course, Address, City, Mobile, Email, DateofAdmission, CurrentYear)

- a) Write a SQL Query which will lists all male student's PRN, Name & DOB who lives in Mumbai city. 05
 b) Write a SQL Query which will display PRN, Name, Course, and Data of Admission & Current Year of all first year students. 05

OR

c) Explain Atomicity and consistency property of the database system. 10

Q.4

- a) Explain in brief two-phase locking protocol.
- b) How we can recover a deadlock.
- c) Give two reasons for allowing concurrency.

OR

Q.5

Write short note on: (any two)

- a) Single row functions
- b) Tape storage
- c) Thomas' write rule
- d) Parallel system

05
05

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Total No. of Printed Pages:3

SUBJECT CODE NO:- D-4012

FACULTY OF SCIENCE

B.Sc.(Computer Science) S.Y (Sem-IV) Examination March/April 2018

Advanced Database Management System-CS405-T

(Revised)

[Time: 1:30 Hours]

[Max.Marks: 50]

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2018

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2018

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OR

- Q.5** Write short note on: (any two) 10
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 b) Tape storage
 c) Thomas' write rule
 d) Parallel system

[Time: 1:30 Hours]

"Please check whether you have got the right question paper."

N.B i) All questions are compulsory.

- Q.1** Define Transaction. Explain the transaction state. 20
OR
 Give & explain the conversion functions & conditional expressions used in SQL. 20
- Q.2** Define Concurrency control, Explain Locked-based protocol for concurrency control. 20
OR
 Write short note on (Any 4) 20
- a) Deadlock
 - b) RAID
 - c) Create and alter command in SQL
 - d) Aggregated functions in SQL
 - e) Implementation of Atomicity
 - f) Parallel systems
- Q.3** Multiple choice questions. (Each 1 Mark) 10
- 1) A _____ is the smallest unit of information that can be read from/written to the disk.
 a) Tracks b) Sector c) Disk d) None
 - 2) _____ timestamp (Q) denotes the largest timestamp of any transaction that executed write (Q) successfully.
 a) RW b) R c) W d) None
 - 3) RAID level _____ block interleaved parity organizations.
 a) 1 b) 2 c) 3 d) 4
 - 4) _____ memory is small, fastest and costly for storage.
 a) Cache b) Main c) Flash d) None
- 5) What is the output of the query **SELECT '5+7' FROM dual;**
 a) 12 b) 5+7 c) 5 d) 7
- 6) Handling larger tasks by increasing the degree of parallelism is called _____.
 a) Scaleup b) Speedup c) Sublinear speedup d) None
- 7) _____ can be an argument for single row function.
 a) Data type b) Expression c) Select d) Table
- 8) || is the alphanumeric characters used to signify _____ operator in SQL.
 a) Addition b) Multiplication c) Concatenation d) Selection
- 9) SQL statements are case _____.
 a) Specific b) In-sensitive c) Sensitive d) None
- 10) _____ is also known as Flash Memory.
 a) EPROM b) PROM c) EEPROM d) None

Please check whether you have got the right question paper.

- 1) All questions are compulsory.

N.B

Q.1

What is a-parallel system? Explain the architecture of parallel database.

20

OR

Explain the following SQL Commands with proper syntax and example

- 1) Create
- 2) Update
- 3) Delete
- 4) Alter

Q.2

What is Timestamps? Explain Timestamp ordering protocol with example.

20

OR

Write short note on (any 4)

- a) Deadlock handling
- b) Transaction state
- c) Tertiary storage
- d) Aggregated functions in SQL
- e) Concurrency control
- f) RAID

Q.3

Multiple choice questions (Each 1 M)

10

- 1) Collections of operations that forms a single logical unit of work are called -----

- a) Transaction
- b) Deadlock
- c) Concurrency
- d) All

- 2) -----transaction state has been executed after final statement

- a) Aborted
- b) Failed
- c) Active
- d) Partially committed

- 3) -----storage is also referred as sequential access.

- a) Optical
- b) Tape
- c) Magnetic disk
- d) None

- 4) -----is the initial state in transaction process.

- a) Aborted
- b) Active

- 1) a) Transaction
2) d) Partially committed
3) b) Tape
4) b) ACTIVE
5) a) Insensitive
6) b) II
7) a) 40
8) b) character
9) b) 2
10) b) Transaction

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- c) Commit
 - d) Failed
- 5) SQL statement are case-----
- a) In sensitive
 - b) Sensitive
 - c) Specific
 - d) None
- 6) -----is the alphanumeric characters used to signify concatenation operator in SQL
- a) +
 - b) ||
 - c) -
 - d) ::
- 7) SELECT ROUND (144.23,-1) FROM dual; output of query is?
- a) 140
 - b) 144
 - c) 150
 - d) 100
- 8) -----is a type of single row functions.
- a) VARCHAR2
 - b) Character
 - c) LONG
 - d) None
- 9) RAID level----- known as memory style Error correcting code organization
- a) 1
 - b) 2
 - c) 3
 - d) 4
- 10) -----server systems also called query server systems.
- a) Data
 - b) Transaction
 - c) Both a & b
 - d) None

Total No. of Printed Pages: 3

SUBJECT CODE NO: D-4006

FACULTY OF SCIENCE

B.Sc.(Computer Science) S.Y (Sem-IV) Examination March/April 2018
Software Engineering- I-CS401-T (Revised)

[Max.Marks: 50]

[Time: 1:30 Hours]

Please check whether you have got the right question paper.

N.B

- i. All questions carry equal marks
- ii. All questions are compulsory

Q.1 Fill in the blanks

10

- 1) What is the goal of the requirements analysis and specifications phase of software development life cycle?
 - a) Analyzing the cost of Development.
 - b) Determining the scope of the software
 - c) Understanding the customer requirement and organize them in an informal document
 - d) None of the above

- 2) RAD model has _____ phases.
 - a) 2
 - b) 3
 - c) 5
 - d) 6

- 3) What is prototype _____
 - a) Mini-model of existing system.
 - b) Mini-model of the proposed system
 - c) Working model of the existing system
 - d) None of the above

- 4) The first step in software development life cycle [SDLC] is _____
 - a) Preliminary Investigation & analysis
 - b) System Design
 - c) System Testing
 - d) Coding

- 5) Agile is _____
 - a) Sequential
 - b) Iterative
 - c) Incremental
 - d) Both b & c

1 C
2 C
3 B
4 G
5 G
6 B
7 B
8 C
9 B
10 C

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6) Spiral model has user involvement in all its phases.

- a) True
- b) False

7) Which one of the following is not an agile method?

- a) XP
- b) 4GT
- c) AUP
- d) None of these

8) Which three framework activities are present in adaptive software Development (ASD)

- a) Analysis, design, coding
- b) Requirement gathering, adaptive cycle planning, iterative development
- c) Speculation, collaboration, learning
- d) None of these

9) Incremental development in Extreme programming (XP) is supported through a system release once every month.

- a) True
- b) False

10) _____ & _____ are two kinds of software products

- a) CAD, CAM
- b) Firmware, Embedded
- c) Generic, Customized
- d) CAM, CAD

Q.2

a) What is software? Explain the categories of software.

05

b) Describe the software myths.

05

OR

c) Define software engineering. Explain the software process in detail.

10

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- Q.3 a) Explain the concurrent models. 05
 b) Explain the Evolutionary process models. 05
- OR**
- c) Describe the personal and Team Process models in detail. 10
- Q.4 a) Explain FDD 05
 b) Explain Agile modeling. 05
- OR**
- c) Describe in detail a spiral model. 10
- Q.5 Write short notes on (Any two) 10
- a) Construction Principles
 b) Deployment principles
 c) Communication principles
 d) Incremental model.

Total No. of Printed Pages:2

SUBJECT CODE NO:- W-4043

FACULTY OF SCIENCE

B.Sc.(Computer Science) S.Y (IV-Sem) Examination March/April 2017
Core Java - CS404-T (Revised)

[Max.Marks:50]

[Time:1:30 Hours]

Please check whether you have got the right question paper.

N.B

- i. Attempt all questions.
- ii. Illustrate your answer with suitable labelled diagram.

Q.1 Explain types of basic data types of java with one example each.

20

OR

Explain types of inheritance with example.

Q.2 Explain types of constructors with suitable examples.

20

OR

Write short note on. (any four)

- a) Method overriding
- b) String class
- c) Vectors
- d) Java API package
- e) Multiple catch statement
- f) Life cycle of a thread

Q.3 Multiple choice questions.

10

- 1) Java is developed by -----.
 - a) Sun microsystem
 - b) Microsoft
 - c) Adobe
 - d) None
- 2) ----- is one of the java features that can handle multiple tasks simultaneously.
 - a) Object-oriented
 - b) Dynamic & extensible
 - c) Platform-independent
 - d) Multithreaded
- 3) The ----- include hundred of classes and methods grouped into several function packages.
 - a) API
 - b) JVM
 - c) JAVAC
 - d) JRE

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- 4) Java interpreter uses ----- method before any objects are created.
- a) Class
 - b) Main
 - c) Constructor
 - d) All of above
- 5) ----- is reserved keyword in java.
- a) Abstract
 - b) Extends
 - c) Package
 - d) All of above
- 6) Java provides extensive set of classes, arranged in -----.
- a) Package
 - b) Library file
 - c) Template class
 - d) None
- 7) Java does not support -----.
- a) Operator overloading
 - b) Global variable
 - c) Multiple inheritance
 - d) All of above
- 8) ----- is a group of contiguous or related data items that share a common name.
- a) Variable
 - b) Array
 - c) Constant
 - d) None
- 9) JVM stand for -----.
- a) Java virtual method
 - b) Java virtual method
 - c) Java variable method
 - d) Java versatile machine
- 10) Java -----.
- a) Only compiles
 - b) Only interprets
 - c) Compiles and then interprets
 - d) Java versatile machine

[Time: 1:30 Hours]

[Max.Marks: 50]

N.B

Please check whether you have got the right question paper.

- i) All questions carry equal marks.
- ii) All questions are compulsory.

Q.1 Multiple choice questions.

10

1. Which is the correct HTML tag for inserting a line break?
 - a)

 - b) <lb>
 - c) <break>
 - d) <newline>
2. There are _____ different levels of heading tags in HTML
 - a) 4
 - b) 5
 - c) 6
 - d) 7
3. Text within ----- tag is displayed as _____
 - a) Bold
 - b) Italic
 - c) List
 - d) Indented
4. Choose the correct HTML tag to make a text bold?
 - a)
 - b) <bold>
 - c) <bb>
 - d) <bld>
5. A script that executes when the user clicks the mouse button is an example of what?
 - a) An object
 - b) A mouse click
 - c) A compiler
 - d) An event handler

6. Which is the correct CSS syntax?
- # body {color : green;}
 - # body {color ; green}
 - # body {color = green}
 - # body : color = green;
7. Which of the following attribute triggers event when an element is invalid?
- onhashchange
 - oninput
 - oninvalid
 - onvalidate
8. To use inline styles you use the style attribute in the _____ tag.
- Style tag
 - Relevant tag
 - Link tag
 - None of the above
9. A CSS declaration always ends with a _____, and declaration groups are surrounded by _____.
- Semicolon and curly brackets
 - Semicolon and square brackets
 - Both A and B
 - None of the above
10. Tags and Test that are not directly displayed on the page are written in _____ section.
- <html>
 - <head>
 - <title>
 - <body>

Q.2 a) Write a script to add two numbers and display the result on webpage. 05
 b) Explain External CSS with example. 05

OR

- c) How we can create table in html 5? Which elements and attributes are used to create table? Explain with example. 10

Q.3

- a) Explain the steps to create image as hyperlink with example. 05
b) Explain any three array methods used in JavaScript with example. 05

OR

- c) Explain border properties in detail with example. 10

Q.4

- a) Explain `` element in detail. 05
b) Explain class selector with example. 05

OR

- c) Explain different DOM search methods used in JavaScript. 10

Q.5

Write short notes on: (Any Two)

- a) `<Style> element`
b) `<header>` element
c) Padding properties
d) Alert function

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