

Total No. of Printed Pages:3

**SUBJECT CODE NO: D-4059**

**FACULTY OF SCIENCE**

**B.Sc.(Computer Science) T.Y (Sem-V) Examination March/April 2018**

**Core Java-II - CS503-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.

10

**Q.1 Multiple choice questions.**

- 1) Which of these methods are member of Remote Class?
  - a) Check Ip ()
  - b) Add Location ()
  - c) Add Server ()
  - d) None of above
- 2) Which of these functions is called to display the output of an applet?
  - a) display
  - b) print ()
  - c) display Applet ()
  - d) print Applet ()
- 3) Which of these class is used for operating on request from the client to the server?
  - a) http
  - b) http Decoder
  - c) http Connection
  - d) httpd
- 4) Which of these is a full form of DNS?
  - a) Data Network Service
  - b) Data Name Service
  - c) Domain Network Service
  - d) Domain Name Service

2018

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- 5) Which of interface is not a member of java.io package?
- Data Input
  - Object Input
  - Object Filter
  - File Filter
- 6) Which of these keywords is used to define interfaces in Java?
- interface
  - Interface
  - intf
  - Intf
- 7) Which of these Exceptions is thrown by remote method?
- Remote Exception
  - Input Output Exception
  - Remote Access Exception
  - Remote Input Output Exception
- 8) What will happen if two thread of same priority are called to be processed simultaneously?
- Any one will be executed first lexicographically
  - Both of them will be executed simultaneously
  - None of them will be executed
  - It is dependent on the operating system
- 9) Which of these methods is used to make raw MIME formed string?
- parse()
  - to string()
  - get string()
  - parse string()
- 10) Which of these packages contain all the Java's built in exceptions?
- java.io
  - java.util
  - java.lang
  - java.net
- Q.2
- Explain the Tram sendentals function with suitable example.
  - Explain the Exponential and Rounding function with examples.
- OR
- Explain Input stream Reader and Buffered Reader with suitable examples.

2018

05

05

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- Q.3**
- a) What is Applet? Explain its types.
  - b) Explain draw Line and draw Arc with suitable example.
- OR**
- c) Explain the various classes used in Graphics with suitable example.

05  
05

10

- Q.4**
- a) Explain the configuration of JDBC with example.
  - b) How execute SQL statement? Give any example.
- OR**
- c) Explain Datagrams and socket for client and server with examples.

05  
05

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- Q.5** Write short notes (any two)
- a) Query Execution
  - b) Writer classes
  - c) Fonts
  - d) Transaction processing

10

Total No. of Printed Pages:2

**SUBJECT CODE NO:- L-4016**

**FACULTY OF SCIENCE**

**B.Sc (Computer Science) T.Y.(Sem- V) Examination Nov/Dec 2017**  
**Core Java-II - CS503-T (Revised)**

[Time: 1:30 Hours]

[Max. Marks:50]

N.B

Please check whether you have got the right question paper.

- 1) All questions carry equal marks.
- 2) All questions are compulsory.

**Q.1 Multiple choice questions**

10

- 1) Which of these modifiers can be used for a variable so that it can be accessed from any thread or parts of a program?
  - a) Transient
  - b) Volatile
  - c) Global
  - d) No modifier is needed.
- 2) Thread priority in Java is?
  - a) Integer
  - b) Float
  - c) Double
  - d) Long
- 3) Which of these is a standard for communicating multimedia content over email?
  - a) http
  - b) https
  - c) Mime
  - d) httpd
- 4) How many ports of TCP/IP are reserved for specific protocols?
  - a) 10
  - b) 1024
  - c) 2048
  - d) 512
- 5) Which of these packages contain classes and interfaces used for inputs output operations of a program?
  - a) Java. util
  - b) Java. lang
  - c) Java. io
  - d) All the above
- 6) Which of these access specifics can be used for a class so that its members can be accessed by a different class in the same package?
  - a) Public
  - b) Protected
  - c) No Modifier
  - d) All of the these

- 7) Which of these package is used for remote method invocation?
- Java.applet
  - Java.rmi
  - Java.lang.rmi
  - Java.lang.reflect
- 8) Which of these methods is a part of Abstract Window Toolkit (AWT)?
- Display()
  - Print()
  - Draw string()
  - Transient()
- 9) Which of these package contain all the Java's built in exceptions?
- Java.io
  - Java.util
  - ~~c)~~ Java.lang
  - Java.net
- 10) Which of these classes is used to create servers that listen for either local or remote client program?
- http Servers
  - http Response
  - ~~e)~~ server Sockets
  - Mime Header

- Q.2 a) Explain Byte and character stream with examples. 05  
 b) Explain Input Stream and Output Stream with example. 05  
OR  
 c) Explain the Transcendentals, Exponential and Rounding functions with suitable examples. 10
- Q.3 a) What is the Applet? Explain its advantages. 05  
 b) Explain drawpolygon and fillpolygon with examples. 05  
OR  
 c) Explain the various classes used in a Graphics with suitable examples. 10
- Q.4 a) What is an Inet Address? Explain with example. 05  
 b) How to execute SQL statement? Give any example. 05  
OR  
 c) What is JDBC? Explain the row sets and metadata with examples. 10
- Q.5 Write short notes (any two) 10  
 a) Transaction processing  
 b) Color method  
 c) Applet tag  
 d) Fonts

Total No. of Printed Pages: 2

SUBJECT CODE NO:-L-4034

FACULTY OF SCIENCE

B.Sc. (Computer Science) T.Y.(Sem- V) Examination Nov/Dec 2017  
Beginners Programming With PHP - CS505-T  
(Revised)

[Max. Marks:50]

[Time: 1:30 Hours]

Please check whether you have got the right question paper.

i) All Questions are compulsory.

N.B

10

Q.1

Fill in the blanks.

- 1) Len (\$Variable) function returns the number of character in a string variable.
- 2) PHP stands for -I-P-Y-
- 3) PHP code execute on -----server. Apache
- 4) PHP is on ----- open source software.
- 5) PHP makes a website ----- dynamic
- 6) Numeric array stores each element with a ----- ID Key.
- 7) Object is a ----- Instance of class
- 8) Function keyword precedes a method name.
- 9) Abstract class cannot be instantiated .
- 10) Constant key word is used to declare a constant property.

Q.2

a) Write a program in PHP to use switch statement and display week of Monday.

05

b) Write a program in PHP to swap two numbers by using function.

05

OR

a) Write in details of various operators is used in PHP with suitable example.

10

Q.3

a) Write details of configuring of Apache & PHP?

05

b) What is an array? Explain multidimensional arry.

05

OR

a) What is class and object in PHP and give the example of Inheritance in PHP.

10

2017

**Q.4** a) Write a program of PHP to sort 1 array with suitable example. [mark 10]

b) What is Recursive function? [mark 5]

**OR** [mark 5]

a) Write details of Installation of PHP on window & Linux [mark 10]

**Q.5** Write short notes on any two [mark 10]

a) Time stamp

b) Merging array

c) Destructor [mark 5]

d) Ternary operator [mark 5]

**Q.6** Explain the following terms with suitable notes. [mark 10]

a) Preprocessor directive [mark 5]

b) Operator overloading [mark 5]

c) Revision [mark 5]

**Q.7** Explain the following terms with suitable notes. [mark 10]

a) Sensitive and non-sensitive functions [mark 5]

b) Function pointer [mark 5]

**SUBJECT CODE NO:- L-4016**  
**FACULTY OF SCIENCE**  
**B.Sc (Computer Science) T.Y.(Sem- V) Examination Nov/Dec 2017**  
**Core Java-II - CS503-T (Revised)**

[Time: 1:30 Hours]

[Max. Marks:50]

N.B

Please check whether you have got the right question paper.

- 1) All questions carry equal marks.
- 2) All questions are compulsory.

**Q.1 Multiple choice questions**

10

- 1) Which of these modifiers can be used for a variable so that it can be accessed from any thread or parts of a program?
  - a) Transient
  - b) Volatile
  - c) Global
  - d) No modifier is needed.
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  - b) Java. lang
  - c) Java. io
  - d) All the above
- 6) Which of this access specifics can be used for a class so that its members can be accessed by a different class in the same package?
  - a) Public
  - b) Protected
  - c) No Modifier
  - d) All of the these

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8

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7) Which of these package is used for remote method invocation?

- a) Java. applet
- b) Java. rmi
- c) Java. lang. rmi
- d) Java. lang. reflect

8) Which of these methods is a part of Abstract Window Toolkit (AWT)?

- a) Display()
- b) Print()
- c) Draw string()
- d) Transient()

9) Which of these package contain all the Java's built in exceptions?

- a) Java.io
- b) Java.util
- c) Java.lang
- d) Java.net

10) Which of these classes is used to create servers that listen for either local or remote client program?

- a) http Servers
- b) http Response
- c) server Sockets
- d) Mime Header

Q.2 a) Explain Byte and character stream with examples.

b) Explain Input Stream and Output Stream with example.

05

05

c) Explain the Tramsendentals, Exponential and Rounding functions with suitable examples.

10

Q.3

a) What is the Applet? Explain its advantages.

05

b) Explain drawpolygon and fillpolygon with examples.

05

OR

c) Explain the various classes used in a Graphics with suitable examples.

10

Q.4

a) What is an Inet Address? Explain with example.

05

b) How to execute SQL statement? Give any example.

05

OR

c) What is JDBC? Explain the row sets and metadata with examples.

10

Q.5

Write short notes (any two)

10

- a) Transaction processing
- b) Color method
- c) Applet tag
- d) Fonts

R.P.M

Incomplete

Total No. of Printed Pages: 2

SUBJECT CODE NO:- L-4004

FACULTY OF SCIENCE

B.Sc (Computer Science) T.Y.(Sem- V) Examination Oct/Nov 2017  
Software Cost Estimation -CS501-T (Revised)

[Max. Marks:50]

[Time: 1:30 Hours]

Please check whether you have got the right question paper.

N.B

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

Q.1 Multiple choice questions (Each 1 mark)

10

- 1) Software project planning includes ----- major activities.
  - a) 1
  - b) 3
  - c) 5
  - d) 7
- 2) NOP = Object points X [ C - %reuse / 100]
  - a) 10
  - b) 100
  - c) 1000
  - d) None
- 3) The environment that supports a software project, called -----.
  - a) Software Environment
  - b) Environment
  - c) Software Engineering Environment
  - d) None
- 4) Estimation for agile project ----- is an estimate of the overall size.
  - a) Volume
  - b) LOC
  - c) FP
  - d) None
- 5) FP based estimation technique require problem decomposition based on -----.
  - a) Information domain value
  - b) Project schedule
  - c) Software function
  - d) Process activities

- 6) Software feasibility is based on -----.
- Business & marketing Concerns.
  - Scope, Constraints, market
  - Technology, finance, time, resources
  - None
- 7) SEE Consists of the following.
- Customers
  - Hardware platforms
  - Software tools
  - Both c & d
- 8) The project scope is defined by means of bounding system.
- Functionality
  - Performance
  - Both a & b
  - None
- 9) Unlike LOC or function point each person's 'Use -Case' is exactly the same size.
- True
  - False
- 10) It is possible to use a modified function point technique to develop estimates for Web Applications.
- True
  - False
- Q.2
- What are the steps for Estimation of Web Projects?
  - What are project Resources? Explain reusable software resources?
- OR
- What are the steps for estimation of agile process?
- Q.3
- Explain software Scope.
  - What is software sizing? Give approaches.
- OR
- What is empirical estimation model? Explain COCOMO II Model.
- Q.4
- What is problem based estimation? Explain.
  - Why it is difficult to develop an estimation technique using 'Use-Cases'.
- OR
- Write the approaches given by Lorenz and Kidd for estimation of object-oriented projects.
- Q.5
- Write short note on (any 2)
- software project estimation
  - Software equation
  - Decision Tree
  - Human Resource

Total No. of Printed Pages:03

SUBJECT CODE NO:- L-4028

FACULTY OF SCIENCE

B.Sc (Computer Science) T.Y.(Sem- V) Examination Nov/Dec 2017

Basic of ASP Net -CS506-T-(Revised)

[Time: 1:30 Hours]

[Max.Marks:50]

N.B

Please check whether you have got the right question paper.

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

Q.1      Multiple choice questions.

10

- 1) Which of the following is Not a web browser.
  - a) Internet explorer
  - b) Windows explorer
  - c) Mozilla firefox
  - d) Google chrome
- 2) Which of the following is not an ASP.Net page event?
  - a) Disposed
  - b) Load
  - c) Import
  - d) Init
- 3) Select the validation control used for "pattern matching"
  - a) Field validator
  - b) Range validator
  - c) Regular expression validator
  - d) Patter validator
- 4) The number of forms that can be added to a .aspx page is
  - a) 1
  - b) 2
  - c) 3
  - d) Any number
- 5) \_\_\_\_\_ tag is used to insert the image in web page
  - a) Pict
  - b) A href
  - c) img
  - d) frame

2017

- 6) \_\_\_\_\_ control is used to select only one choice by the user in the web form.
- a) Textbox  
b) Checkbox  
c) Listbox  
~~d) Radio button~~
- 7) Which validation control is used to ensure that the user does not skip a form entry field?
- a) Compare validator  
b) Required validator  
~~c) Range validator~~  
d) Regular expression validator
- 8) URI stand for
- a) Unique reference identity  
b) Unique resource identifier  
~~c) Uniform resource identifier~~  
d) Uniform reference id
- 9) In ASP.Net application the global.asax file lie in which directory.
- a) Application  
b) Root  
c) System  
d) None of the above
- 10) How many configuration files can an ASP.NET protect have?
- ~~a) One~~  
b) Two  
c) More than one  
d) Any numbers
- Q.2 a) List the different web-browser & describe in brief the facilities given by the web – browser. 05
- b) What is hypermedia? Explain the role the hypermedia in design of web pages. 05
- c) With the help of diagram, explain the different components of .Net framework in brief. 10
- OR
- Q.3 a) Different between the server control and client control. 05
- b) Write the steps for installation of IIS. Also describe the functions of IIS. 05
- c) How do we add the controls during a runtime? Write the code for it in ASP.Net Describe the steps for running a web application. 10
- OR

- Q.4 a) Describe the range validation control with an example , show the use of it in web form 05
- b) Describe in brief about the server side validation & its types in brief 05
- c) Give a comparative features of Required and Comparison validator in ASP.net Also describe an example of each. OR 10
- Q.5 Write short notes on (Any two) 10
- a) Web server
  - b) Architecture of .Net
  - c) Ad-rotation control
  - d) ASP.NET page life cycle.

[Time: 1:30 Hours]

[Max. Marks:50]

N.B Please check whether you have got the right question paper.  
i) All question carry equal marks.  
ii) All questions are compulsory.

Q.1 Multiple choice questions (Each 1 mark)

10

- 1) Software project planning includes ----- major activities.
  - a) 1
  - b) 3
  - c) 5
  - d) 7
- 2) NOP = Object points X [ C\_- %reuse / 100]
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  - c) Software Engineering Environment
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  - b) LOC
  - c) FP
  - d) None
- 5) FP based estimation technique require problem decomposition based on -----
  - a) Information domain value
  - b) Project schedule
  - c) Software function
  - d) Process activities

- 6) c) Technology, finance, time
- 7) d) both c&f
- 8) c) both a&b
- 9) b) false
- 10) a) true

- 6) Software feasibility is based on -----
- Business & marketing Concerns.
  - Scope, Constraints, market
  - Technology, finance, time, resources
  - None
- 7) SEE Consists of the following.
- Customers
  - Hardware platforms
  - Software tools
  - Both c & d
- 8) The project scope is defined by means of bounding system.
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- 9) Unlike LOC or function point each person's 'Use -Case' is exactly the same size.
- True
  - False

10) It is possible to use a modified function point technique to develop estimates for Web Applications.

- True
- False

Q.2	a) What are the steps for Estimation of Web Projects?	05
	b) What are project Resources? Explain reusable software resources?	05
	<u>OR</u>	
	a) What are the steps for estimation of agile process?	10
Q.3	a) Explain software Scope.	05
	b) What is software sizing? Give approaches.	05
	<u>OR</u>	
	a) What is empirical estimation model? Explain COCOMO II Model.	10
Q.4	a) What is problem based estimation? Explain.	05
	b) Why it is difficult to develop an estimation technique using 'Use-Cases'.	05
	<u>OR</u>	
	a) Write the approaches given by Lorenz and Kidd for estimation of object-oriented projects.	10
Q.5	Write short note on <u>(any 2)</u>	10
	a) software project estimation	
	b) Software equation	
	c) Decision Tree	
	d) Human Resource	

2017

R. P. Moharker  
Incomplete

[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 of these methods are member of Remote Class?

- a) Check Ip ()
- b) Add Location ()
- c) Add Server ()
- d) None of above

1. d  
2. b  
3. d  
4. d  
5. c  
6. a  
7. a  
8. d

2) Which of these functions is called to display the output of an applet?

- a) display
- b) print ()
- c) display Applet ()
- d) print Applet ()

9. a  
10. c

3) Which of these class is used for operating on request from the client to the server?

- a) http
- b) http Decoder
- c) http Connection
- d) httpd

4) Which of these is a full form of DNS?

- a) Data Network Service
- b) Data Name Service
- c) Domain Network Service
- d) Domain Name Service

vertical scrollable

- 5) Which of interface is not a member of java.io package?
- a) Data Input
  - b) Object Input
  - c) Object Filter
  - d) File Filter

- 6) Which of these keywords is used to define interfaces in Java?
- a) interface
  - b) Interface
  - c) intf
  - d) Intf

- 7) Which of these Exceptions is thrown by remote method?
- a) Remote Exception
  - b) Input Output Exception
  - c) Remote Access Exception
  - d) Remote Input Output Exception

- 8) What will happen if two thread of same priority are called to be processed simultaneously?
- a) Any one will be executed first lexicographically
  - b) Both of them will be executed simultaneously
  - c) None of them will be executed
  - d) It is dependent on the operating system

- 9) Which of these methods is used to make raw MIME formed string?
- a) parse()
  - b) to string()
  - c) get string()
  - d) parse string()

- 10) Which of these packages contain all the Java's built in exceptions?
- a) java.io
  - b) java.util
  - c) java.lang
  - d) java.net

- Q.2 a) Explain the Trigonometrical function with suitable example.  
b) Explain the Exponential and Rounding function with examples.

OR

- c) Explain Input stream Reader and Buffered Reader with suitable examples.

- 3 a) What is Applet? Explain its types.  
b) Explain draw Line and draw Arc with suitable example.

OR

- c) Explain the various classes used in Graphics with suitable example.

05  
05

- Q.4 a) Explain the configuration of JDBC with example.  
b) How execute SQL statement? Give any example.

OR

- c) Explain Datagrams and socket for client and server with examples.

05  
05

10

Q.5 Write short notes (any two)

- a) Query Execution
- b) Writer classes
- c) Fonts
- d) Transaction processing

N.B

Please check whether you have got the right question paper.

1. Attempt all questions
2. All questions carry equal marks.

Q.1

Fill in the blanks

10

- 1) An ----- actually bridges between UI components and the data source that fill data in to UI component.  
a) Intent  
b) View  
**c) Adapter**  
d) Activity
- 2) Android ----- is a view which groups several items and display them in vertical scrollable list.  
a) List view  
**b) Grid view**  
c) Adapter  
d) Activity
- 3) ADT stands for -----  
a) Android Developing Tools  
b) Android Developing Target  
c) Android Development target  
**d) Android Development Tools**
- 4) You should place each type of resource in a specific subdirectory of your projects ----- directory.  
**a) res/**  
b) srl/  
c) res / drawable/  
d) None of the above
- 5) The ----- is a subclass of view and provides invisible container that hold other views.  
**a) AVD**  
b) View Group  
c) R - file  
d) Layout file

1. c Adapter  
2. g List view  
3. d ADT

4. a res/  
5. b View group

6. g Auto  
7. c. 10 Sec  
8. b False

9. d All  
10. d Application package

- 6) The R file is a (an) ----- generated file.
- Automatically
  - Manually
  - Emulated
  - None of the above
- 7) ----- is the time limit of broadcast receiver in android
- 15 sec
  - 5 sec
  - 20 sec
  - 10 sec
- 8) Android is built upon the Java micro Edition (J2ME) version of Java.
- True
  - False
  - Can't say
  - None of the above
- 9) Android is based on Linux for ----- reason.
- Security
  - Portability
  - Networking
  - All of these
- 10) .apk extension stand for -----
- Application package
  - Application program kit
  - Android proprietary kit
  - Android package

Q.2 a) Explain android activity life cycle. 05  
 b) What are styles and themes in android? Explain defining style in android application. 05

OR

c) What are the key components in android architecture? 10

Q.3 a) What is implicit and explicit intent? Explain 05  
 b) Explain the process of Environment setup of android. 05

OR

JDK of Android.  
 3. Java IDES  
 Android Studio, Eclipse.

activities, services  
 content providers  
 broadcast receiver  
 Explain the components of android application & explain file hierarchy of android application development environment. 10

Q.4 a) Explain the anatomy of Android application. 05  
 b) What is service? Explain state of service component. 05

Started, Bound, — OR

onCreate(), onStart(), onStop(), onDestroy()

c) What is view and view group? Explain android layout types with unique attribute. 10

Q.5 Write short note on (any two)

- View identification
- Event listeners & event handlers
- The R- file & the string file
- Intent filter

Touch mode, Focus on click, on long click  
 OnFocusChange, onkey

7/4/18

18

[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) Each questions carry equal marks.

## Q.1 Multiple choice questions:-

10

1. PHP stands for \_\_\_\_\_.
    - a) Pre Hypertext processor
    - b) Hypertext Pre processor
    - c) Hypertext Post processor
    - d) Post Hypertext processor
  
  2. Which of the following must be installed on your computer so as to run PHP script?
    - I) Dreamweaver
    - II) PHP
    - III) Apache
    - IV) IIS
    - a) All of the above
    - b) Only II
    - c) II and III
    - d) II, III and IV
  
  3. We can use \_\_\_\_\_ to comment a single line?
    - a) /?
    - b) //      /
    - c) #\*
    - d) /\*      \*/
  
  4. Which of the following PHP statement will store 111 in variable num?
    - a) int \$num = 111;
    - b) int num = 111;
    - c) \$num = 111;
    - d) num = 111;
- 5 d Brav  
 6 d dolor  
 7 C Search for a char  
 8 a Method overloading,  
 9 C sort  
 10 C Spring

5. What will be the output of the following PHP code?

```
?php  
$num = 1; $num1 = 2;  
print $num. "+" . $num1;  
?>
```

- a) 3
- b) 1+2
- c) 1.+.2
- d) Error

6. Which of the following is not PHP loops?

- a) while
- b) do-----while
- c) for
- d) do for

7. What is the use of strpos( ) function in PHP?

- a) Search for a number within a string.
- b) Search for a spaces within a string.
- c) Search for a character / text within a string.
- d) Search for a Capitalized string / text with in a string.

8. Which of the following advanced OOP features is / are not supported by PHP?

- a) Method overloading
- b) Namespace
- c) Single Inheritance
- d) All of the above

9. Which of the following is used to sort an array in descending order?

- a) sort()
- b) asort()
- c) rsort()
- d) dsort()

10. What will be the result of combining a string with another data type in PHP?

- a) int
- b) float
- c) string
- d) double

Total No. of Printed Pages: 2

SUBJECT CODE NO:- D-4071  
FACULTY OF SCIENCE

B.Sc.(Computer Science) T.Y (Sem-V) Examination March/April 2018  
Basic of ASP .Net - CS506 - T  
(Revised)

[Time: 1:30 Hours]

[Max.Marks: 50]

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

Q.1 Multiple choice questions:

10

- 1) Which of the following is a web browser?
  - a) IIS
  - b) Apache
  - c) Opera
  - d) None
- 2) What is the default authentication mode for IIS?
  - a) Windows
  - b) Anonymous
  - c) Basic Authentication
  - d) All,above
- 3) Which commands are used to specify setting of an .aspx file
  - a) Class
  - b) Directives
  - c) Events
  - d) Validations
- 4) Choose the form in which post back occur.
  - a) HTML forms
  - b) Web forms
  - c) Win forms
  - d) Brower form
- 5) What is used to validate complex string pattern like an email address?
  - a) Regular expression
  - b) Basic expression
  - c) Irregular expression
  - d) Extended expression

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6) Does the web controls supports CSS.

- a) True
- b) False
- c) Sometimes
- d) Never

7) Which of the following languages can be used to write server side scripting in ASP.Net?

- a) C
- b) C#
- c) Visual Basic
- d) Java

8) The best way to delimit ASP.Net code from HTML code in web page is by using ----- tags.

- a) <body>
- b) <Head>
- c). <Script>
- d) None

9) A piece of text or image on a web page associated with another webpage is called

- a) url
- b) hyperlink
- c) plugin
- d) embedding

10) In ASP.Net client-side validation is possible with.

- a) DHTML
- b) HTML
- c) HTMLS
- d) XHTML

Q.2

a) Discuss the structure of webpage, during the design in HTML. Also give an example. 05

b) What is hypertext? Explain in brief the steps to include hypertext in a webpage. 05

OR

c) Differentiate the role of web browser and web server (any five in each) 10

Q.3

a) Write the code in ASP.Net to include the radio button in a web page with a suitable example 05 & diagrammatic representation.

b) Describe the purpose of Ad-rotator control? Write the steps to add it to the web page. 05

OR

c) List the four control that can be used in the web form & giving a suitable web form example 10 show how it is used.

Q.4

a) What is the purpose of regular expression form validation? How it can be used in web form, 05 give an example of it?

b) Describe the need of multi-form project? Justify, whether client side validation is as 05 important as server side validation.

OR

a) Explain with suitable example the use & purpose of required and range validation control. 10

Q.5

Write short notes on: (any two) 10

- a) Hypermedia
- b) Feature of IIS
- c) Custom validators
- d) .Net framework components

[Time: 1:30 Hours]

[Max. Marks: 50]

N.B

Please check whether you have got the right question paper.

- i) Attempt all questions.
- ii) All questions carry equal marks.

Q.1 Fill in the blank.

- 1) The R. Java file is where you edit the resources for your project. 10
- a) True
  - b) False
  - c) Can't say
  - d) None of the above.
- 2) What is contained within the manifest Xml file?
- a) The permissions the app requires
  - b) The list of strings used in the app
  - c) The source code
  - d) All other choices
- 3) To create emulator you need AVD. AVD stands for
- a) Android virtual display
  - b) Android virtual Device
  - c) Active virtual device
  - d) Application virtual display
- 4) The ----- file specifies the layout of your screen.
- a) Layout file
  - b) Manifest file.
  - c) Strings XML
  - d) R file
- 5) The android SDK stands for
- a) Software Developing kit
  - b) Service Development kit
  - c) Software development kit
  - d) Service developing kit

- actually bridges between UI components and the data source that fill data in
- 6) An ~~-----~~ to VF component.
- Intent
  - View
  - ~~Adapter~~ ✓
  - Activity
- 7) Android ~~-----~~ is a view which groups several items and display them in vertical scrollable list.
- List view ✓
  - Grid view
  - Adapter
  - Activity
- 8) \_\_\_\_\_ are the main components in android.
- Activity services
  - Services, Broadcast Receiver
  - Broadcast Reliever, content provider
  - All of the above ✓
- 9) Android is built upon the Java micro Edition (J2ME) version of JAVA
- True
  - ~~False~~ ✓
  - Can't say
  - None of the above .
- 10) The ~~-~~ is like as an activity to do background functionalities With at UI interaction
- Manifest file
  - ~~Service~~ ✓
  - Intent
  - None of the above
- Q.2
- What is android? Explain Content providers.
  - What are Alternative Resources? Explain Accessing Resources?
  - Explain Android styles and themes in detail.
- OR
- Q.3
- Explain Anatomy of android application.
  - Explain the process of Environment setup of android
  - What is View and View group? Explain Android layout types with unique attributes.
- 05  
05  
10  
05  
05  
10

Q.4      a) What is intent filter? Explain the types of intent  
             b) What is service? Explain state of service component?

OR

c) Explain Android Event Management

Q.5      Explain short note on (any Two )

- a) Broadcast Receivers
- b) AVD & Create AVD Steps
- c) Android Themes
- d) Radio Button Attributes.

[Time: 1:30 Hours]

[Max.Marks:50]

Please check whether you have got the right question paper.

N.B

- i) All questions are compulsory.
- ii) Illustrate your answer with suitable diagram.

Q.1 What is Data mining? Explain techniques of data mining in detail. 20

OR

Explain data mining as a step in the process of knowledge discovery. 20

Q.2 Explain about various OLAP operations. Differentiate between multidimensional OLAP &amp; multioperational OLAP. 20

OR

Write a short notes on following (any four) 20

- |                                 |                       |                           |
|---------------------------------|-----------------------|---------------------------|
| 1. Steps in data pre-processing | 2. Data warehouse     | 3. Data mining primitives |
| 4. Apriori Algorithm            | 5. Web content mining | 6. Meta data              |

Q.3

Multiple choice questions :-

10

1) Which of the following is not a data mining functionality?

- a) Characterization and discrimination      b) Classification & regression  
 c) Selection & interpretation      d) Clustering & Analysis

2) Strategic Value of data mining is

- a) Cost-sensitive      b) Work-sensitive

 c) time-sensitive d) Technical-sensitive

3) The output of KDD is —

- a) Data      b) Information      c) Query      d) Useful information

4) The full form of OLAP is

- a) Online Analytical processing      b) Online Advanced processing      c) Online Advanced preparation  
 d) Online Analytical performance

5) An \_\_\_\_\_ system is market-oriented and is used for data analysis by knowledge workers, including managers, executives &amp; analysis.

- a) OLAP      b) OLTP      c) Both of above      d) None of above

6) The type of relationship in star schema is -----

- a) many to many      b) One to one      c) One to many      d) Many to one

7) The \_\_\_\_\_ allows the selection of the relevant information necessary for the data warehouse.  
 a) top-down view      b) data warehouse view      c) data source view      d) business query view

8) Which of the following is not a kind of data ware application?

- a) Information processing      b) Analytical processing      c) Data mining      d) Transaction processing.  
 9) DSS stands for —  
 a) Deciding support system      b) Decision support system      c) Decision software system

10) Data mining algorithms require-----

- a) Efficient sampling methods  
 c) Capacity to handle large amounts of data

- b) Storage of intermediate results  
 d) all of the above.

[Time: 1:30 Hours]

Please check whether you have got the right question paper.

N.B

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

Q.1

10

Choose the most suitable answer

- 1) The problem of finding hidden structure in unlabelled data is called \_\_\_\_  
a) Supervised learning  
 b) Unsupervised learning  
c) Reinforcement learning
- 2) Which of the following is not involved in data mining?  
 a) Knowledge extraction  
b) Data exploration  
 c) Data transformation
- 3) A definition of a concept is if it recognizes all the instances of that concept.  
 a) Complete  
b) Consistent  
c) Constant
- 4) Relational Algebra is \_\_\_\_  
a) Data definition language  
b) Meta language  
 c) Procedural query language
- 5) Strategic value of data mining is \_\_\_\_  
a) Cost – sensitive  
b) Work – sensitive  
 c) Time – sensitive
- 6) The output of KDD is \_\_\_\_  
a) Data  
 b) Information  
 c) Useful information
- 7) In a typical star schema, the fact table is linked to the dimension tables using the primary & foreign keys  
 a) True  
 b) False
- 8) \_\_\_\_ predicts future trends & behaviours, allowing business managers to make proactive, knowledge-driven decisions.  
 a) Data warehouse  
 b) Data mining  
 c) Data marts

- 9) Informational database are owned by particular department or business groups  
a) True  
b) False
- 10)            mining is concerned with discovering the model underlying the link structures of the web.  
a) Data structure  
b) Web structure  
c) Text structure
- Q.2 a) Define data mining. What are the steps in the data mining process? 05  
b) What is clustering? What are the requirements of clustering? 05  
OR  
a) What is data mining? Explain the steps in Knowledge Discovery? 10
- Q.3 a) Define Association rule mining. List out the different classifications of Association rule mining 05  
b) What is decision tree? Explain decision tree induction 05  
OR  
a) What are the types of data pre-processing techniques? Explain in detail. 10
- Q.4 a) Explain Apriori algorithm 05  
b) What is hierarchical method? Whether it is applicable? 05  
OR  
a) Describe challenges to data mining regarding data mining methodology and user interaction issues. 10
- Q.5 Write short notes on (any two) 10  
a) Web content mining.  
b) Various tasks in data mining.  
c) Data mining applications.  
d) Similarity & distance measure.

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**[Time: 1:30 Hours]**

**[Max.Marks:50]**

Please check whether you have got the right question paper.

N.B

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

**Q.1** Multiple choice questions.

**10**

- 1) Which of the following is Not a web browser.
  - a) Internet explorer
  - b) Windows explorer
  - c) Mozilla firefox
  - d) Google chrome
- 2) Which of the following is not an ASP.Net page event?
  - a) Disposed
  - b) Load
  - c) Import
  - d) Init
- 3) Select the validation control used for "pattern matching"
  - a) Field validator
  - b) Range validator
  - c) Regular expression validator
  - d) Patter validator
- 4) The number of forms that can be added to a .aspx page is
  - a) 1
  - b) 2
  - c) 3
  - d) Any number
- 5) \_\_\_\_\_ tag is used to insert the image in web page
  - a) Pict
  - b) A href
  - c) img
  - d) frame

- 6) \_\_\_\_\_ control is used to select only one choice by the user in the web form.
- a) Textbox
  - b) Checkbox
  - c) Listbox
  - d) Radio button
- 7) Which validation control is used to ensure that the user does not skip a form entry field?
- a) Compare validator
  - b) Required validator
  - c) Range validator
  - d) Regular expression validator
- 8) URI stand for
- a) Unique reference identity
  - b) Unique resource identifier
  - c) Uniform resource identifier
  - d) Uniform reference id
- 9) In ASP.Net application the global.asax file lie in which directory.
- a) Application
  - b) Root
  - c) System
  - d) None of the above
- 10) How many configuration files can an ASP.NET protect have?
- a) One
  - b) Two
  - c) More than one
  - d) Any numbers
- Q.2 a) List the different web-browser & describe in brief the facilities given by the web – browser. 05
- b) What is hypermedia? Explain the role the hypermedia in design of web pages. 05
- c) With the help of diagram, explain the different components of .Net framework in brief. 10
- Q.3 a) Different between the server control and client control. 05
- b) Write the steps for installation of IIS. Also describe the functions of IIS. 05
- c) How do we add the controls during a runtime? Write the code for it in ASP.Net Describe the steps 10  
for running a web application.
- OR

- Q.4 a) Describe the range validation control with an example , show the use of it in web form 05
- b) Describe in brief about the server side validation & its types in brief 05  
OR
- c) Give a comparative features of Required and Comparison validator in ASP.net Also describe an example of each. 10
- Q.5 Write short notes on (Any two) 10
- a) Web server
  - b) Architecture of .Net
  - c) Ad-rotation control
  - d) ASP.NET page life cycle.

[Time: 1:30 Hours]

[Max.Marks:50]

N.B

Please check whether you have got the right question paper.

- i) All questions are compulsory.
- ii) Use only blue or black pen for writing

## Q.1 Multiple choice questions

10

- i) Which of the below symbol is a newline character in php.  
a)\r b)\n c)/n d)/r
- ii) PHP's numerically indexed array begin with position-----  
a)1 b)2 c)0 d)-1
- iii) Which of the function is used to sort an array in descending order?  
a)sort() b)asort() c)rsort() d)dsort()
- iv) Which one of the following keyword is used to inherit our subclass into superclass?  
a)extends b)implements c)inherit d)inheritance
- v) What does PHP stands for?  
a)Personal home page b)Pre hypertent processor c)Hypertent preprocessor d)Preprocessor home page
- vi) PHP files have a default file extension o f-----  
a).html b).xml c).png d).php
- vii) Which function is used to compare strings as string in PHP.  
a)startswith() b)strcmp() c)compare() d)compare To()
- viii) In PHP, which statement is used to display the string.  
a)echo b)cont c)display d)none
- ix) Which of the following php statement to store "Aurangabad" in variable city?  
a)\$city ="Aurangabad"; b)string = \$city ="Aurangabad";  
c)"Aurangabad"=\$city; d)string="Aurangabad";

x) What will be output of following php code?

```
<?php
$x=0;
If ($x++)print "Hi" else print"Hello";
?>
```

- a)Hi b)No output c)Error d>Hello

Q.2 a) Write the steps involved in running and testing the PHP script. 05

b) Giving suitable example, describe the ternary operator used in PHP. 05

OR

a) Write the purpose and syntax of the if-----elseif-----else statement. Also write the php code to 10

illustrate the use of if-----else----else.

Q.3 a) Discuss the conditions under which we use the while and do----- while. Illustrate with suitable example. 05  
b) Why do we need function? Explain recursive function. 05

OR

a) Define array. Explain any five function used to manipulate the array in php. 10

Q.4 a) Explain with suitable example, the difference between a string literal enclosed within the single quote (' ) 05  
and double quote(" ).

b) Describe the mktime() function used in PHP. 05

OR

a) Describe the visibility level, that can be used by the property of a class in PHP. Give an example how we declare the property and access it. 10

Q.5 Write short notes on (Any Two) 10

a) Data type in PHP

b) Switch statement

c) Associative Array

d) Constructor and Destructor.

[Time: 1:30 Hours]

Please check whether you have got the right question paper.

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

Q.1 Fill in the black

10

- 1) URL stands for -----
- 2) ----- tool in jdk used for testing applet. APPLETVIEWER
- 3) ----- tag is used to embed applet to web page. APPLET
- 4) UDP stands for ----- User Datagram protocol
- 5) ----- parsing method of integer used to convert string data to equivalent integer value .
- 6) ----- stream classes are used for byte oriented I/O . byte
- 7) Dictionary is an abstract class that represent ---- & ----- pair storage . key , value
- 8) In JDBC ----- package is imported to use data base connectivity . SQL
- 9) ----- interface is used to call stored procedures. Statement
- 10) The package ----- is used for importing classes and interfaces for networking . java.net

Q.2

10

- a) Describe file class with methods .
- b) Explain reader for file with example

OR

Explain stream with stream class hierarchy .

Q.3

10

- a) Explain math class with rounding methods
- b) Describe the wrapper for Boolean data type with method

OR

Write a program in java to count the total number of upper case and lower case letters in a line of text .

Q.4

10

- a) Describe JDBC concept and drivers
- b) Explain Rowset in JDBC

OR

Explain Graphics methods with syntax and example

Q.5

10

Write notes on ( any 2 )

- 1) Applet life cycle
- 2) URL
- 3) Applet vs application
- 4) Datagram

**[Time: 1:30 Hours]****Please check whether you have got the right question paper.****N.B****I) Attempt All questions.**

- Q.1 A) Explain XML data modelling what are the difference between XML and HTML? OR** 20  
**A) Define DTD. Explain DTD structure with its elements and attributes.** 20
- Q.2 A) What is XSL Explain the architecture of XSC with example. OR** 20  
**A) Write a short note on : (any four)** 20
  - i) XML schema
  - ii) CSS
  - iii) AJAX
  - iv) Advantages of XML
  - v) What is DOM
  - vi) XSLT
- Q.3 Multiple choice questions :** 10
  1. Which is not a correct name for an XML element?
    - a. <1 dollar>
    - b. <Note>
    - c. <h1>
    - d. <xml document>
  2. XML stand for ----
    - a. Extensive mark-up language
    - b. Extensible mark-up language
    - c. X- mark-up language
    - d. Example mark-up language
  3. XML is designed to ---- and store data.
    - a) Transport
    - b) Design
    - c) Verify
    - d) None of those
  - 4.XML is much more similar like ----
    - a) CSS
    - b) HTML
    - c) C Programming
    - d) Java script

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5. Which of the following is not function of XML?

- a) Structure information
- b) Style information
- c) Transport information
- d) Store information

6. The DTD Begins with the word.

- a) # PC DATA
- b) XML
- c) DOCTYPE
- d) HTTPS

7. HTML is an application of a more robust document mark-up language called :

- a) XHTML
- b) XML
- c) SGML
- d) None of those.

8. XML schemas consist of :

- a) Properties and methods
- b) Elements and attributes
- c) Structure and data
- d) Tables and relationships.

9. If the XML data instance conforms to the DTD, the document is said to be:

- a) Type – invalid
- b) Type – valid
- c) Not – type – valid
- d) An HTML document

10. The document that used by XSLT to indicate how to transform the elements of the XML document to another format is an :

- a) HTML page
- b) DOCTYPE procedure
- c) Style sheet
- d) Stored procedure