

Total No. of Printed Pages: 2

SUBJECT CODE NO:- W-4003

FACULTY OF SCIENCE

B.Sc.T.Y. (Sem- VI) Examination Of March/April 2017

Computer Science

Software Testing & Quality Assurance(CS313-CT)(Old)

[Max.Marks:50]

[Time:1:30 Hours]

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

N.B

1. Attempt all questions
2. Illustrate your answer with suitable labeled diagram

Q.1	Define verification and validation. Explain testing activities and levels OR Explain the various functional & unit testing techniques in detail	20
Q.2	Explain in detail data flow graph and data flow testing OR Write a short notes on any four of the following	20
	a) Comparison of testing techniques b) Documentation test c) Reliability test d) Interface error e) Dynamic unit testing f) Feasible path	
Q.3	Fill in the blanks 1. The four specification – based or black box techniques are. a. Boundary value analysis b. State transition testing c. Equivalence partitioning d. All of the above 2. Black box testing sometime called a. Data flow testing b. Loop testing c. Behavioral testing d. Graph based testing 3. Which of the following type of testing? a. Recovery testing b. Security testing c. Stress testing d. All of the above 4. The objective of testing is a. Debugging b. To uncover error c. To gain modularity d. To analyze system	10

2017

89327B528A875DC38A67D5C40FF1FDDE

5. ----- is a black box testing methods
  - a. Boundary value analysis
  - b. Basic path testing
  - c. Code path analysis
  - d. None of the above
6. An important aspect of coding is?
  - a. Readability
  - b. Productivity
  - c. To use as small memory space
  - d. Brevity
7. Software testing with real data in real environment is known as
  - a. Alpha testing
  - b. Beta testing
  - c. Regression testing
  - d. None of the mentioned
8. Test case should uncover error like
  - a. Nonexistent loop termination
  - b. Comparison of different data type
  - c. Incorrect Logical operator
  - d. All of the mentioned
9. What is normally considered as an adjunct to the coding step
  - a. Integration testing
  - b. Unit testing
  - c. Completion of testing
  - d. Regression testing
10. In which testing level the focus is one customer usage
  - a. Alpha testing
  - b. Beta testing
  - c. Validation testing
  - d. Both alpha and beta

22 March 2018

18 AM TO 11.30 AM

57

Total No. of Printed Pages: 2

SUBJECT CODE NO.: - W-4033

FACULTY OF SCIENCE

B.Sc.(Computer Science) T.Y (VI-Sem) Examination March/April 2017

Programming Language:C#- CS606-T (Revised)

[Time: 1.30 Hours]

N.B

Please check whether you have got the right question paper.

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

[Max.Marks:50]

Q.1

Multiple Choice Questions:-

10

1. A ----- block enclose the code that could through an exception.  
(a) try      (b) Catch      (c) Exception      (d) Error

2. 'unit' data type in C# has bit width.  
(a) 8      (b) 16      (c) 32      (d) 64

3. ----- a reserved and cannot be used as identifier.  
(a) Keyboards      (b) Literals      (c) Variables      (d) Constant

4. Which of the following is NOT relational operator?  
(a) ==      (b) !=      (c) &&      (d) <=

5. Array in C# are ----- objects.  
(a) Reference      (b) Logical  
(c) Value      (d) Arithmatic

6. C# does not support ----- constructors.  
(a) Parameterized      (b) Parameter-less  
(c) Class      (d) Copy

7. The theory of ----- implies that user can control the access to a class, method or variable.  
(a) Data hiding      (b) Encapsulation  
(c) Polymorphism      (d) Information hiding

8. The point at which an exception is thrown is called the ----- point.  
(a) Default      (b) Involving  
✓ (c) Throw      (d) Calling

9. The ----- are the GUI component created for web-based interactions  
(a) Web forms      (b) Window form  
(c) Application forms      (d) None of the above.

10. Which of the following types of arrays NOT supported by C#  
(a) 1-D      (b) 2-d  
(c) Multi-dimension      (d) Jagged.

2017

85944B160CD3F6307FCAFD38248838A6

<b>Q.2</b>	(a) How C# relates to the .NET framework? What is the .NET framework?	05
	(b) What is polymorphism? How it is achieved in the C#?	05
	OR	
	(c) Explain the struct type with suitable example.	10
<b>Q.3</b>	(a) Explain with suitable example the use of if statement in C#.	05
	(b) What do you mean by overriding? Explain how it is achieved in C#?	05
	OR	
	(c) What is the role of constructor? Discuss any two types of constructor with example in C#.	10
<b>Q.4</b>	(a) What is the benefits of using Interface? Write the steps to implement an interface in C#.	05
	(b) Describe the types of error and explain the use of try and catch statement in C# with example.	05
	OR	
	(c) Differentiate between the interface properties and indexes. Show an example to illustrate the use of properties in C#.	10
<b>Q.5</b>	Write short notes on <u>{any two}</u> :-	10
	(a) Boxing and Un-boxing	
	(b) 'DO' Statement	
	(c) Inheritance	
	(d) Modifiers	

[Time:1:30Hours]

[Max.Marks:50]

N.B

Please check whether you have got the right question paper.

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

Q.1 Fill in the blanks

10

- 1) ~~Get~~ Method sends input to script via URL.
- 2) ~~include()~~ Function is used to insert content of one PHP file into another PHP file before server executes it.
- 3) PHP is ~~script~~ scripting language.
- 4) PHP session are created using the ----- function. Session\_Start
- 5) The ----- statement is used to delete a table in mySQL. Drop
- 6) In PHP in order to access mySQL database to be use ----- function. Order by mySQL-connection
- 7) When you want to store user data in session use the ----- array. Session
- 8) ----- erases all session variable. Session\_unset
- 9) In PHP each statement must be end with -----.
- 10) ----- Functions is used for terminate the script execution in PHP. Session\_destroy

Q.2

- a) Write program in PHP to creating html form and capture data send?
- b) Write program in PHP to demonstrate GET method.

05

05

OR

- c) How to use of cookies and session in PHP with suitable example.

10

Q.3

- a) What are the features of mySQL.
- b) Write program in PHP to show Query string.

05

05

OR

- a) Write in detail information of database connectivity of mySQL and PHP

10

Q.4

- a) What is difference between GET and POST in PHP.
- b) Write answer in PHP to validate form and Handling empty form data.

05

05

OR

- a) Write detail information of Hidden Fields.

10

Q.5

Write short note on ( any Two)

10

- a) Basic commands of MYSQL.
- b) Setting cookies with PHP.
- c) Redirecting the user.
- d) Global variable.

**[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 Fill in the blanks using appropriate options.

10

- 1) Which of the following is part of the four main types for e-commerce?
  - a) B2B
  - b) B2C
  - c) C2B
  - d) All of the above
- 2) Which products are people most likely to be comfortable buying on the internet?
  - a) Books
  - b) PCs
  - c) CDS
  - d) All of the above
- 3) Which of the following is not related to security mechanism.
  - a) Encryption
  - b) Decryption
  - c) E-cash
  - d) All of the above
- 4) When a transaction is processed online, how can the merchant verify the customer's identity?
  - a) Use secure sockets layers.
  - b) Use secure electronic transactions
  - c) Use electronic data interchange
  - d) Use financial electronic data interchange
- 5) Who breaks into other people's computer system & steals & destroys information?
  - a) Hackers
  - b) Software's
  - c) Hacktivists
  - d) Script-kiddies

- 6) What is an electronic representation of cash?  
a) Digital cash  
b) Electronic cash  
c) E-cash  
d) All of the above
- 7) By electronic commerce we mean  
a) Commerce of electronic goods  
b) Commerce which depends on electronics  
c) Commerce which is based on the use of internet.  
d) Commerce which is based on transactions using computers connected by telecommunication network.
- 8) EDIFACT is a standard -----  
a) For representing business forms used in e-commerce.  
b) For e-mail transaction  
c) For ftp in e-commerce  
d) Protocol used in e-commerce
- 9) A firewall may be implemented in  
a) Routers which connects intranet to internet.  
b) Bridges used in an intranet.  
c) Expensive modem  
d) User's application programs.
- 10) By symmetric key encryption we mean  
a) One private key is used for both encryption & decryption.  
b) Private & public key used are symmetric  
c) Only public keys are used for encryption.  
d) Only symmetric key is used for encryption.

Q.2 a) What is e-commerce? Explain India e-commerce readiness. 05  
b) What are the technical issues in e-commerce? 05

OR

c) What is cryptography? Explain cryptography with their types. 10

Q.3 a) Explain UN/EDIFACT standard for representing business forms used in e-commerce. 05  
b) Explain wireless payment systems. 05

OR

c) Explain Hashing techniques and applications of Hashing function. 10

- Q.4
- a) Explain the role of e-commerce in IT and business. 05
  - b) What are the legal issues used in e-commerce. 05

OR

- c) Explain secure socket layer (SSL) used in e-commerce. 10

- Q.5 Write short notes on: (any two) 10

- a) Extranet
- b) Digital signature
- c) Digital Cash
- d) Secure Electronic Transaction. (SET)

Total No. of Printed Pages:3

**SUBJECT CODE NO:- D-4040**

**FACULTY OF SCIENCE**

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

**Android Application Development - CS 602 – T**

**(Revised)**

[Time: 1:30 Hours]

[Max.Marks: 50]

N.B Please check whether you have got the right question paper.

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

**Q.1 Multiple choice questions:**

- 1) What is manifest.xml in android?
  - a) It has information about layout in an application
  - b) It has information about activities in an application
  - c) ~~It has all the information about an application~~
  - d) None of the above
- 2) What is log message in android?
  - a) ~~Log message is used to debug a program~~
  - b) ~~Same as printf()~~
  - c) Same as toast()
  - d) None of the above
- 3) What is APK in android?
  - a) Android packages
  - b) ~~Android pack~~
  - c) ~~Android packaging kit~~
  - d) None of the above
- 4) What is the use of content provider in android?
  - a) To send the data from an application to another application
  - b) ~~To share the data between applications~~
  - c) To store the data in database
  - d) None of the above
- 5) How to upgrade SQLite database from a lower version to higher version in android SQLite?
  - a) ~~Using helper class~~
  - b) Using cursor
  - c) Using intent
  - d) None of the above

2018

E44459690FB7EFBFC96888A74C1CE450

- 6) What is the application class in android?
- a) A class that can create only an object
  - b) Anonymous class
  - c) Java class
  - d) Base class for all classes
- 7) How to get current location in android?
- a) Using with GPRS
  - b) SQLite
  - c) Network servers
  - d) None of the above
- 8) What is DDMS in android?
- a) Dalvik memory server
  - b) Device memory server
  - c) Dalvik monitoring services
  - d) Dalvik debug monitor services
- 9) What are the layouts available in android?
- a) Linear layout
  - b) Frame layout
  - c) Relative layout
  - d) All of above
- 10) What is last known location in android?
- a) To find last location of a phone
  - b) To find known location of a phone
  - c) To find the last known location of a phone
  - d) None of the above
- Q.2
- a) What is mean by manifest editor? 05
  - b) Describe SQLite database for data storage. 05
- OR
- c) Explain in detail android development tools. 10
- Q.3
- a) Explain android widget toolbox for UI design. 05
  - b) Explain shared preferences in android. 05
- OR
- c) Explain in detail Android Activity life cycle. 10

2018

E44459690FB7EFBFC96888A74C1CE450

Q.4	a) Explain how Wi-Fi connectivity is monitored	05
	b) Explain the working of accelerometer.	05
	c) Explain application priority and process state.	10
<b>OR</b>		
Q.5	Write short note on. ( <u>any two</u> )	10
	a) Map based activities	
	b) Advanced android libraries	
	c) Android menu system	
	d) Android telephony	

[Time: 1:30 Hours]

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

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

Q.1 Define Deterministic finite automation. Give state diagram of DFA recognizing the following languages over alphabet {a,b}. 20

$$L_1 = \{\omega / \omega \text{ starts and ends with 'a'}\}$$

$$L_2 = \{\omega / \omega \text{ contains an even number of 'a'}\}$$

OR

Using pumping lemma for regular sets prove that the language  $L = \{a^n b^n \mid n \geq 0\}$  is not regular.

Q.2 Prove that equivalence of DFA and NFA with example. 20

OR

Write short notes (any four)

- i. Non deterministic finite Automation
- ii. Regular Expression
- iii. Moore Machine
- iv. Minimization of DFA
- v. Chomsky classification of languages
- vi. Subset and proper subset

Q.3 Multiple choice questions. 10

1) Finite Automation accept the following language

- b a) Context free   b) Regular   c) Context sensitive   d) All of these

2) The regular sets are closed under

- a) Union   b) Concatenation   c) Kleene star   d) All of these

3) The regular expression for the language  $L = \{\omega \mid \omega \text{ has at least one pair of consecutive zero's}\}$

- a)  $0.(0+1)^* . 0.(0+1)^*$   
      b)  $(00+1)^*$   
      c)  $00(0+1)^*$   
d)  $(0+1)^* . 00.(0+1)^*$

4) \_\_\_\_\_ is a finite state machine whose outputs depend on only the present state.

- a) Mealey Machine   b) Moore Machine   c) NFA   d) DFA

- 5) \_\_\_\_\_ grammar generate regular languages.  
a) Type-0 b) Type-1 c) Type-3 d) Type-2
- 6) \_\_\_\_\_ can use the empty string transition.  
a) DFA b) NFA c) Both DFA and NFA
- 7) Which of the following represents the statement "The number 5 is not a member of the set A"?  
a)  $5 \in A$  b)  $5 \notin A$  c)  $A \in 5$  d)  $A \not\in 5$
- 8) The class of regular languages is closed under \_\_\_\_\_.  
a) Concatenation b) union c) kleene star d) All of these
- 9) Regular expression ' $a+a$ ' is equivalent to  
a)  $a^*$  b)  $a.a$  c)  $\emptyset$  d)  $(a^*)^*$
- 10) The set 'A' is said to be a \_\_\_\_\_ of set 'B' if and only if every element of A' is also an element of B.  
a) Power set b) Subset c) Multset d) Proper subset

W-2016  
Y-2016

4039c6d23c11ba00d3d548fcfb0b4e87  
4039c6d23c11ba00d3d548fcfb003bb5

SUBJECT CODE NO:- W-4028  
FACULTY OF SCIENCE  
B.Sc.(Computer Science) T.Y (VI-Sem) Examination March/April 2017  
Advanced Prog. With PHP-CS605-T (Revised)

[Time:1:30Hours]

[Max.Marks:50]

Please check whether you have got the right question paper.

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

Q.1 Fill in the blanks

10

- 1) ----- Method sends input to script via URL.
- 2) ----- Function is used to insert content of one PHP file into another PHP file before server executes it.
- 3) PHP is ----- scripting language.
- 4) PHP session are created using the ----- function.
- 5) The ----- statement is used to delete a table in mySQL.
- 6) In PHP in order to access mySQL database to be use ----- function.
- 7) When you want to store user data in session use the ----- array.
- 8) ----- erases all session variable.
- 9) In PHP each statement must be end with -----.
- 10) ----- Functions is used for terminate the script execution in PHP.

Q.2 a) Write program in PHP to creating html form and capture data send? 05  
b) Write program in PHP to demonstrate GET method. 05

OR

c) How to use of cookies and session in PHP with suitable example! 10

Q.3 a) What are the features of mySQL. 05  
b) Write program in PHP to show Query string. 05

OR

a) Write in detail information of database connectivity of mySQL and PHP 10

Q.4 a) What is difference between GET and POST in PHP. 05  
b) Write answer in PHP to validate form and Handling empty form data. 05

OR

a) Write detail information of Hidden Fields. 10

Q.5 Write short note on ( any Two) 10

- a) Basic commands of MYSQL.
- b) Setting cookies with PHP.
- c) Redirecting the user.
- d) Global variable.

[Time:1:30Hours]

[Max.Marks:50]

N.B

Please check whether you have got the right question paper.

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

Q.1 Fill in the blanks

- 1) get Method sends input to script via URL.
- 2) include: Function is used to insert content of one PHP file into another PHP file before server executes it.
- 3) PHP is scripting language.
- 4) PHP session are created using the Session\_start() function.
- 5) The delete statement is used to delete a table in mySQL.
- 6) In PHP in order to access mySQL database to be use mysql\_select\_db function.
- 7) When you want to store user data in session use the \$\_SESSION array.
- 8) Session\_destroy erases all session variable.
- 9) In PHP each statement must be end with semicolon.
- 10) die Functions is used for terminate the script execution in PHP.

Q.2 a) Write program in PHP to creating html form and capture data send? 05  
 b) Write program in PHP to demonstrate GET method. 05

OR

c) How to use of cookies and session in PHP with suitable example. 10

Q.3 a) What are the features of mySQL. 05  
 b) Write program in PHP to show Query string. 05

OR

a) Write in detail information of database connectivity of mySQL and PHP 10

Q.4 a) What is difference between GET and POST in PHP. 05  
 b) Write answer in PHP to validate form and Handling empty form data. 05

OR

a) Write detail information of Hidden Fields. 10

Q.5 Write short note on ( any Two) 10

- a) Basic commands of MYSQL.
- b) Setting cookies with PHP.
- c) Redirecting the user.
- d) Global variable.

Total No. of Printed Pages:3

**SUBJECT CODE NO:- L-4074  
FACULTY OF SCIENCE**

**B.Sc (Computer Science) T.Y.(Sem- VI) Examination Nov/Dec 2017  
Programming Language: C# CS606-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 questions carry equal marks.

**Q.1 Multiple choice question**

**10**

- 1) Which of the following is NOT keyword?
  - a) event
  - b) uint
  - c) unit
  - d) void
- 2) Which of the following is valid logical operator?
  - a) <=
  - b) >=
  - c) &&
  - d) !=
- 3) \_\_\_\_\_ escape sequence is used for the vertical tab.
  - a) \n
  - b) \b
  - c) \a
  - d) \t
- 4) break statement cannot be used within \_\_\_\_\_ statement.
  - a) for—each
  - b) do—while
  - c) switch
  - d) None of the above.
- 5) \_\_\_\_\_ parameter are used to pass result back to the calling method.
  - a) Input
  - b) Output
  - c) Value
  - d) Reference

**Q.2**

**Q.3**

**C02BCD2209496E5D3A53FB069F680C99**

**2017**

**2017**

S

- 6) \_\_\_\_\_ property of array object contains the number of elements that an array can hold.  
a) Size  
b) Length  
c) Max  
d) Capacity
- 7) Which of these keyword is NOT a part of exception handling?  
a) Catch  
b) Finally  
c) Thrown  
d) Try
- 8) Number of constructors a class can define is?  
a) 1  
b) 2  
c) Any Number  
d) None
- 9) What is the process of defining a method in terms of itself, that is a method that calls itself?  
a) Polymorphism  
b) Recursion  
c) Encapsulation  
d) Abstraction
- 10) Which of the following is used to define the member of a class externally?  
a) \*:  
b) :  
c) #:  
d) #:
- a) What is .NET framework? Discuss the benefits of using .NET framework. 05
- b) What is Array? Explain the different types of array supported by the C#. 05

Q.2

OR

Q.3

- c) Explain string type & write the purpose & syntax of any five method of string with example. 10
- a) What is control statement? Discuss the types of it. 05
- b) Giving an example of a parameterized constructor, write the importance of constructor.. 05

OR

- c) Write about base class & derived class? Discuss the types of inheritance with one example. 10

2017

C02BCD2209496E5D3A53FB069F680C99

Q.4

- a) What is mean by properties is C#? Explain how it is set for a variable?
- b) What is overflow error? How compiler is set for overflow checking?

OR

- c) Discuss the consequences of an uncaught Exception? Give an example program to show the use of multiple catch clauses in C#.

05

05

10

Q.5 Write short note on (Any two)

- a) Polymorphism
- b) Overriding
- c) Virtual Method
- d) Exception handling statements

2017

C02BCD2209496E5D3A53FB069F680C99

[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 questions carry equal marks.

Q.1      Multiple Choice Questions:-

10

1. A -----block enclose the code that could through an exception.

- (a) tag
- (b) Catch
- (c) Exception
- (d) Error

2. 'unit' data type in C# has bit width.

- (a) 8
- (b) 16
- (c) 32
- (d) 64

3. -----a reserved and cannot be used as identifier.

- (a) Keyboards
- (b) Literals.
- (c) Variables
- (d) Constant

4. Which of the following is NOT relational operator?

- (a) ==
- (b) !=
- (c) &&
- (d) <=

5. Array in C# are-----objects.

- (a) Reference
- (b) Logical
- (c) Value
- (d) Arithmetic

6. C# does not support-----constructors.

- (a) Parameterized
- (b) Parameter-less
- (c) Class
- (d) Copy

7. The theory of-----implies that user can control the access to a class, method or variable.

- (a) Data hiding
- (b) Encapsulation
- (c) Polymorphism
- (d) Information hiding

8. The point at which an exception is thrown is called the-----point.

- (a) Default
- (b) Involving
- (c) Throw
- (d) Calling

9. The-----are the GUI component created for web-based interactions

- (a) Web forms
- (b) Window form
- (c) Application forms
- (d) None of the above.

10. Which of the following types of arrays NOT supported by C#

- (a) 1-D
- (b) 2-d
- (c) Multi-dimension
- (d) Jazzed.

2017

85944B160CD3F6307FCAFD382490B283

Q.2	(a) How C# relates to the .NET framework? What is the .NET framework? (b) What is polymorphism? How it is achieved in the C#?	05 05
	OR	
	(c) Explain the struct type with suitable example.	10
Q.3	(a) Explain with suitable example the use of if statement in C# (b) What do you mean by overriding? Explain how it is achieved in C#?	05 05
	OR	
	(c) What is the role of constructor? Discuss any two types of constructor with example in C#.	10
Q.4	(a) What are the benefits of using Interface? Write the steps to implement an interface in C#. (b) Describe the types of error and explain the use of try and catch statement in C# with example.	05 05
	OR	
	(c) Differentiate between the interface properties and indexes. Show an example to illustrate the use of properties in C#.	10
Q.5	Write short notes on (any two): (a) Boxing and Un-boxing (b) 'DO' Statement (c) Inheritance (d) Modifiers	10

2017

85944B160CD3F6307FCAFD382490B283

Total No. of Printed Pages:2

SUBJECT CODE NO:- W-4040  
FACULTY OF SCIENCE  
B.Sc.(Computer Science) T.Y (VI-Sem) Examination March/April 2017  
Ethics And Cyber Law - CS608-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 questions carry equal marks.

Q.1

Multiple choice questions.

10

1. \_\_\_\_\_ actually deals with security of digital data.
  - a) Cryptography
  - b) E-Governance
  - c) Cyber -crime
  - d) None
2. \_\_\_\_\_ is process of changing intelligible data into intelligible data.
  - a) Encryption
  - b) Decryption
  - c) EDI
  - d) E-market
3. To determine what is right or wrong & then doing the right thing is called as \_\_\_\_\_.
  - a) Moral
  - b) Ethics
  - c) Law
  - d) Patent
4. \_\_\_\_\_ refers to all the legal and regulatory aspect of the internet and www.
  - a) Cyber crime
  - b) Cyber law
  - c) Data
  - d) None
5. \_\_\_\_\_ is an example of intellectual property.
  - a) Patent
  - b) Trade marks
  - c) Copyright
  - d) All of above
6. Controller of certifying authorities (CA) work under?
  - a) Prime minister
  - b) Reserve Bank of India
  - c) Ministry of communication & IT
  - d) None
7. IT act in India was amended

Q.2

Q.3

Q.4

Q.5

2017

20

9DA12177E1D2F2B8E0E70D35535393A5

- a) 2000  
b) 2004  
c) 2008  
d) 2010
8. The internet is \_\_\_\_\_.  
a) Network of network  
b) Web site  
c) Host  
d) Server
9. Digital signature is \_\_\_\_\_.  
a) Scanned signature on comp  
b) Code number of the sender  
c) Public key encryption  
d) Software to recognize signature
10. \_\_\_\_\_ is the encryption system that uses 2 keys.  
a) Encryption  
b) Public key encryption  
c) Intrusion detection software  
d) Security auditing software

Q.2 a) What is cyber jurisprudence? Explain 05  
b) What is symmetric key encryption? 05

OR

c) Explain digital signature in brief. 10

Q.3 a) What are the functions of Certifying Authority? 05  
b) Explain in brief cyber evidence management. 05

OR

c) Derive digital contracts. Give its details. 10

Q.4 a) Give the issues in E-business management. 05  
b) What is ethics of computer security? 05

OR

c) Explain in details cyber crimes. 10

Q.5 Write short note on. (any 2) 10  
a) Intellectual property  
b) E-Governance  
c) Internet technology  
d) Cyber law

2017

9DA12177E1D2F2B8E0E70D35535393A5

19  
Q1  
Total No. of Printed Pages:3

SUBJECT CODE NO: D-4004

FACULTY OF SCIENCE

B.Sc.(Computer Science) T.Y (Sem-VI) Examination March/April 2018  
Software Quality & Testing - CS 601-T (Revised)

[Max.Marks: 50]

[Time: 1:30 Hours]

Please check whether you have got the right question paper.

N.B

i. Attempt all the questions

Q.1 Write multiple choice questions. 10

- a) \_\_\_\_\_ refers to a different set of tasks ensures that the s/w that has been build is traceable to customer requirement
- i) Verification
  - ii) Requirement engineering
  - iii) Validation
  - iv) None of the above
- b) Who perform the Acceptance Testing?
- i) s/w Developer
  - ii) end user
  - iii) testing team
  - iv) system engineers
- c) Which of the following can be found using static testing techniques?
- i) Defect
  - ii) Failure
  - iii) Both A & B
- d) Unit testing will be done by
- i) Tester
  - ii) End user
  - iii) Customer
  - iv) Developer
- e) TQM represents
- i) Tool quality management
  - ii) Test quality manger
  - iii) Total quality management
  - iv) Total quality manager

23FA9EB40DAFB5A1E544CF622338833

- f) Which of the following would NOT normally form part of a test plan?
- i) Features to be tested
  - ii) Risks
  - iii) Incident reports
  - iv) Schedule
- g) Static analysis is best described as :
- i) The analysis of batch programs
  - ii) The reviewing of test plans
  - iii) The use of black box testing
  - iv) The analysis of program code.
- h) The test cases are created in which phase
- i) Test specification
  - ii) Test planning
  - iii) Test requirement
  - iv) Test configuration
- i) Unit testing done without planning & document is called
- i) Unit testing
  - ii) Regression testing
  - iii) Adhoc Testing
  - iv) none of the mentioned
- j) What is associated with the product risk
- i) control of test item
  - ii) Negative consequences
  - iii) Non-availability of test environment
  - iv) Test object

- Q.2 a) What is quality? Security? 05
- b) Elements of software quality assurance 05
- OR
- c) Explain testing fundamentals Internal & external view. 10
- Q.3 a) What is Navigation testing? 05
- b) Explain white box testing 05
- OR
- c) Explain testing strategies & their issue. 10

2018

23FA9EB40DAFBDSA1E544CF622338833

- Q.4 a) Explain ISO 9000 Quality standard 05  
b) What is content testing 05

OR

- c) Explain SQA Task Goals & Matrices 10

Q.5 Write a short note (Any two) 10

- a) Black box testing
- b) Debugging
- c) Load testing
- d) SE method

Total No. of Printed Pages:02

SUBJECT CODE NO:- D-4028  
FACULTY OF SCIENCE  
B.Sc.(Computer Science) T.Y (Sem-VI) Examination March/April 2018  
Advanced Prog. With PHP-CS605-T  
(Revised)

[Time: 1:30 Hours]

[Max. Marks: 50]

N.B

- Please check whether you have got the right question paper.  
1) Attempt all questions.  
2) Each questions carry equal mark.

Q.1 Answer in one line.

10

- 1) Which predefined variable is used to find the name of the script?  
2) How to set cookies in PHP?  
3) What is the use of mysql\_real\_escape\_string() function?  
4) How to create a mysql connection? → 104891 - Connect (servicename , user ,  
5) What is the importance of "action" attribute in a html form?  
6) How to set a page as a home page in a php based site? → index.php  
7) How to get the value of current session id?  
8) What is JOIN in mysql?  
9) Discuss the use of count function in MySQL  
10) What is the use of 'echo' in php? → print a data  
→ 9) count( )

Q.2

- a) What is the use of header( ) function in php? With example.

05

- b) Write a php script to create form in PHP & display "Hello" on web page.

05

OR

Write a php script to create the following application:

10

1708BC452C41E6F5E367697C70A1F69F

User Name:	<input type="text"/>
Password:	<input type="password"/>
Full Name:	<input type="text"/>
Gender :	<input type="radio"/> Male <input type="radio"/> Female
Hobbies :	<input type="checkbox"/> Cricket <input type="checkbox"/> Basket Ball <input type="checkbox"/> Foot Ball
<input type="button" value="Submit"/>	

- Q.3      a) What is cookie?    05  
       b) Write a script to destroy session in PHP.    05

OR

Explain the working of Query String in detail with example.    10

- Q.4      a) How to create Table in PHP.    05  
       b) Difference between order & group in sql.    05

OR

Explain INSERT, UPDATE and DELETE statement in PHP with example.    10

- Q.5      Write a short note on : (Any two)    10

- 1) Multi-value fields
- 2) Anatomy of cookies.
- 3) SELECT statement in MySQL
- 4) Use of \$ - REQUEST

[Time: 1:30 Hours]

[Max.Marks:50]

Please check whether you have got the right question paper.

N.B

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

Q.1

Fill in the blanks or multiple choice Q.

- (1) IEEE stands for Institute of Electrical & Electronics Engineers.<sup>10</sup>
- (2) Independent testers are the testers of the unit testing
- (a) Developer      (b) Business analysts  
(c) Independent testers      (d) customers
- (3) Which test document describes the exit criteria of testing \_\_\_\_\_  
(a) Test case      (b) Test plan  
(c) Test summary report      (d) Detect report
- (4) \_\_\_\_\_ is not a test type.  
(a) Database testing      (b) Security Testing  
(c) Functional testing      (d) Statement testing
- (5) What is integration testing?  
(a) SDLC method      (b) Test type  
(c) Test design technique      (d) Test level
- (6) Which of the following is not a SQA plan for a project?  
(a) Evaluations to be performed      (b) Amount of technical work  
(c) audits and reviews to be performed      (d) documents to be produced by the SQA group.
- (7) Who identifies, documents and verifies that corrections have been made to the software.  
(a) Project manager      (b) project team      (c) SQA group      (d) all of the mentioned
- (8) Which of the following is a software process certification  
(a) Java certified      (b) IBM certified  
(c) ISO-9001      (d) Microsoft certified
- (9) Which of the following testing types is not a part of system testing?  
(a) Recovery testing      (b) Stress testing  
(c) System testing      (d) Random testing
- (10) Software mistakes during coding are known as \_\_\_\_\_  
(a) errors      (b) failures  
(c) bugs      (d) defects

2017

89327B528A875DC38A67D5C40FCAB83F

Q.2	(a) What is software quality? Explain the Garvin's quality dimensions. (b) Explain the SQA Tasks.	05 05
	OR	
	(c) Describe the different elements of software quality assurance.	10
Q.3	(a) Explain the unit test considerations. (b) Explain the Integration Testing.	05 05
	OR	
	(c) Describe the software testing fundamentals in detail.	10
Q.4	(a) Explain the Basis-path testing. (b) Explain the Internal and External Views of testing. (c) Describe the dimensions of Quality for testing Web applications.	05 05 10
Q.5	Write a short notes on;(Any two) (a) Alpha and Beta testing (b) Smoke testing (c) Load testing (d) LOOP testing	10

27216 work  
Wdt

2017

89327B528A875DC3E467D5C40FCAB83F