

INFORMATION TECHNOLOGY DEPARTMENT

Sample MCQs

For Program – Information Technology

Sub : IF5965- Internet Technology (Adv. Java)

Note:-

- 1. Each Question Carries One Mark.**
- 2. Select correct Option.**

1. Consider the following HTML page code:

```
< html >  
< body >  
  < a href='/servlet/HelloServlet' >POST< /a >  
< /body >  
< /html >
```

which method of HelloServlet will be invoked when the hyperlink is clicked?

- A. doGet
- B. doPost
- C. doHref
- D. servicePost

2. Can servlet class declare constructor with ServletConfig object as an argument?

- a) True
- b) False

3. What is the difference between servlets and applets?

- i. Servlets execute on Server; Applets execute on browser
- ii. Servlets have no GUI; Applet has GUI
- iii. Servlets creates static web pages; Applets creates dynamic web pages
- iv. Servlets can handle only a single request; Applet can handle multiple requests

a) i, ii, iii are correct

b) i, ii are correct

c) i, iii are correct

d) i, ii, iii, iv are correct

4. Which of the following code is used to get an attribute in a HTTP Session object in servlets?

a) `session.getAttribute(String name)`

b) `session.alterAttribute(String name)`

c) `session.updateAttribute(String name)`

d) `session.setAttribute(String name)`

5. Which method is used to get three-letter abbreviation for locale's country in servlets?

a) `Request.getISO3Country()`

b) `Locale.getISO3Country()`

c) `Response.getISO3Country()`

d) `Local.retrieveISO3Country()`

6. Which of the following code retrieves the body of the request as binary data?

a) `DataInputStream data = new InputStream()`

b) `DataInputStream data = response.getInputStream()`

c) `DataInputStream data = request.getInputStream()`

d) `DataInputStream data = request.fetchInputStream()`

7. When destroy() method of a filter is called?

- a) The destroy() method is called only once at the end of the life cycle of a filter
- b) The destroy() method is called after the filter has executed doFilter method
- c) The destroy() method is called only once at the beginning of the life cycle of a filter
- d) The destroyer() method is called after the filter has executed

8. Which of the following is true about servlets?

- a) Servlets execute within the address space of web server
- b) Servlets are platform-independent because they are written in java
- c) Servlets can use the full functionality of the Java class libraries
- d) Servlets execute within the address space of web server, platform independent and uses the functionality of java class libraries

9. How is the dynamic interception of requests and responses to transform the information done?

- a) servlet container
- b) servlet config
- c) servlet context
- d) servlet filter

10. Which are the session tracking techniques?

- i. URL rewriting
- ii. Using session object
- iii. Using response object
- iv. Using hidden fields
- v. Using cookies

vi. Using servlet object

a) i, ii, iii, vi

b) i, ii, iv, v

c) i, vi, iii, v

d) i, ii, iii, v

SAMPLE MCQs
For Program :- Information Technology
IF5966 IT Security

Note: 1.Each question carries one mark

2. Select correct option

1. Passwords are used to improve ----- of network
a) Performance b)Security c)Reliability d) Longevity
2. Which of following is the class of computer threat
a) Phishing b)DoS attack c)Soliciting d) Stalking
3. Viruses are ---
a) Man made b)Naturally occurs c)Machine made d)All of above
4. What is the ethics behind training how to hack the system?
a)To think like hackers and know how to defend such attacks
b)To hack a system without permission
c)To hack a network that is vulnerable
d)To corrupt software or service using malware
5. The certificate authority signs the digital certificate with
a)User's public key b) User's private key
c)It's own public key d)It's own private key
6. Exploring appropriate and ethical behaviors related to online environments and digital media
a) Cyber ethics b)Cyber security c)Cyber safety d) Cyber law
7. Performing shoulder surfing in order to check other's password is ----- ethical practice.
a)good b)not so good c)very good social engineering practice
d)a bad
8. ---- is the technique used in business organizations and firms to protect IT assets
a) Ethical hacking b) Unethical hacking c) Fixing bugs d)Internal data-breach
9. The legal risk of ethical hacking includes lawsuits due to -----of personal data
a)Stealing b)disclosure c)deleting d)hacking
- 10.It is stealing ideas or creations of others.
a) Plagiarism b)Piracy c)Intellectual property right d)All of above

SAMPLE MCQs
For Program :- Information Technology
IF3908 FIT

Note: 1.Each question carries one mark

2. Select correct option

1. Passwords are used to improve ----- of network
a) Performance b)Security c)Reliability d) Longevity
2. Which of following is the class of computer threat
a) Phishing b)DoS attack c)Soliciting d) Stalking
3. How many generation are of computer?
a) 3 b)2 c)4 d)5
4. Binary language uses ----
a) 1,0 b)1,2 c)8,1 d)2,8
5. Which of the following is application of computer ?
a)E-commerce b) Social Networking
c)Online shopping d)All of the above
6. Which of the following is the batch file command?
a) Echo b)Pause c)Rem d) None
7. Flowchart is the ----
a)graphical representation of algorithm b)Step by step procedure to solve problem
c)both a and b d)none
8. Viruses are ---
a) Man made b)Naturally occurs c)Machine made d)All of above
9. Which is the latest version of windows?
a) Windows 10 b)Vista c) Windows 8 d)None
- 10.It is stealing ideas or creations of others.
a) Plagiarism b)Piracy c)Intellectual property right d)All of above

DEPARTMENT OF COMPUTER ENGINEERING

SAMPLE MCQs

FC4956 SOFTWARE PROJECT MANAGEMENT

Note: 1. Each Question carries 1 Mark.

2. Select correct option.

Q.1 Which of the following is not an effective software project management focus?

- a) people b) product c) popularity d) process

Q.2. Which of the following is not an approach to software cost estimation?

- a) Empirical b) Heuristic c) Analytical d) Critical

Q.3. Which of the following is not a main phase in Configuration Management (CM) Process?

- a) CM Planning b) CM audits c) None of the mentioned d) Executing the CM process

Q.4. Who delivers the technical skills that are necessary to engineer a product or an application?

- a) Practitioners b) Project managers c) Senior managers d) None of the mentioned

Q.5 Which of these is not a part of product planning?

- a) Identification of opportunities b) Evaluation and prioritizing opportunities
c) Allocation of resources and time determination d) Finalizing process

Q.6. Which of the items listed below is not one of the software engineering layers?

- a) Process b) Manufacturing c) Methods d) Tools

Q.7. Which of the following is not an principle of the project scheduling?

- a) Compartmentalization b) Interdependency c) Time Allocation d) Functions

Q.8. Which of the following is incorrect activity for the configuration management of a software system?

- a) Internship management b) Change management c) Version management d) System management

Q.9. The model serves as the basis for the creation of _____ for the Software.

- a) Design b) Maintenance c) Testing d) Specifications

Q.10. BPR stands for _____

- a) Business Process Reengineering b) Business Product Reengineering c) Business Process Requirements
d) None of the mentioned

Q.3. Find conversion error in arithmetic addition of 0.1 and 0.4

- a) 496 b)896 c)0.496 d)0.49609375

Q.4. Newton-Raphson method is applicable to find the solution of _____.

- a) both algebraic and transcendental equations b) both algebraic and transcendental and also used when the roots are complex
c) algebraic equations only d) transcendental equations only

Q.5. Find the first iteration by using Jacobis method for the following system of equations $5x-y+z=10$; $x+2y=6$; $x+y+5z=-1$

- a) $x= 1$, $y = -3$, $z = -0.2$ b) $x= 2$, $y = 3$, $z = -0.2$ c) $x= -2$, $y = -3$, $z = -0.2$ d) $x= 0.2$, $y = 0.3$, $z = -0.2$

Q.6. Which of the following step is not involved in Gauss Elimination Method?

- a) Elimination of unknowns b) Evaluation of cofactors c) Reduction to an upper triangular system d) Finding unknowns by back substitution

Q.7. Simpson's 1/3rd rule of integration is exact for all polynomials of degree not exceeding

- a)1 b) 2 c) 3 d) 4

Q.8. Delta power two is called the _____order difference operator.

- a) first b) second c) third d) fourth

Q.9. In Newton's forward interpolation formula the first two terms will give the _____interpolation

- a) linear b) parabolic c) hyperbolic d) polynomial equation

Q.10. Gauss seidal method is similar to which of the following methods?

- a) Jacobi's method b) Iteration method c) Newton Raphson method d) Regula-Falsi method

Sample MCQ –FC5962 Computer Architecture and Maintenance

1. What could cause a fixed disk error.
 - A. bad ram
 - B. slow processor
 - C. Incorrect CMOS settings
 - D. None of the above

2. Missing slot covers on a computer can cause?
 - A. over heat
 - B. power surges
 - C. EMI
 - D. incomplete path for ESD

3. When installing PCI NICS you can check the IRQ availability by looking at
 - A. Dip switches
 - B. CONFIG.SYS
 - C. Jumper settings
 - D. Motherboard BIOS

4. With respect to a network interface card, the term 10/100 refer to
 - A. protocol speed
 - B. a fiber speed
 - C. megabits per seconds
 - D. minimum and maximum server speed

5. Which type of system board is the MOST likely candidate for processor upgrading if you want maximum performance and future compatibility?
 - A. ML
 - B. PCI
 - C. ISA
 - D. EISA

6. The 34-pin connection on an I/O card is for?
 - A. Floppy drive
 - B. SCSI drive
 - C. IDE drive
 - D. Zip drive

7. Your customer tells you the print quality of their dot matrix printer is light then dark. Which of the following could cause the problem?
 - A. Paper slippage
 - B. Improper ribbon advancement
 - C. Paper thickness
 - D. Head position

8. Which peripheral port provides the FASTEST throughput to laser printers?
 - A. RS-232
 - B. SCSI
 - C. Parallel
 - D. Serial

9. The terms “red book”, “yellow book”, and “orange book” refer to:

- A. SCSI
- B. ide
- C. floppy drive technology
- D. CD-ROM standards

10. Dynamic RAM is developed using

- A. Diode and Capacitor
- B. Transistor
- C. Diode
- D. Diode and Transistor

Sample MCQ –FC 3905 Object Oriented Programming

1. The logical symbol `!` This is used for
 - a. OR operator
 - b. AND operator
 - c. NOT operator
 - d. None of the mentioned
2. What is the value of the bool? `Bool is_int(789.54)`
 - a. TRUE
 - b. FALSE
 - c. 1
 - d. None of the mentioned
3. If a function have all the default arguments but still some values are passed to the function then _____
 - a. The function will use the values passed to it
 - b. The function will use the default values as those are local
 - c. The function can use any value whichever is higher
 - d. The function will choose the minimum values
4. Which among the following is a wrong call to the function `void test(int x, int y=0, int z=0)?`
 - a. `test(5,6,7);`
 - b. `test(5);`
 - c. `test();`
 - d. `test(5,6);`
5. We can overload which of the following C++ operators.
 - a. Arithmetic operator (+, -, *, /)
 - b. Class Member Access Operators (., .*)
 - c. Size operator(sizeof)
 - d. Conditional operator(?:)
6. overloaded by means of a member function, take no explicit arguments and return no explicit values.
 - a. Unary operators
 - b. Binary operators

c. Arithmetic operators

d. Function operator

7. Which among following is not a valid visibility mode in c++ program ?

a.Private

b.Public

c.Protected

d.Limited

8. The process of deriving a class from another derived class is known as ?

a.single inheritance

b.dual inheritance

c.multiple inheritance

d.multilevel inheritance

9. Which of the following is the correct way to declare a pointer ?

a.int *ptr

b. int ptr

c. int &ptr

d. All of the above

10. The C++ header file contains function prototypes for the standard input and standard output functions.

a. <iomanip>

b.<fstream>

c.<iostream>

d.<stdio>

Sample MCQ –IF3909 Data Communication

1. Which data communication method is used to send data over a serial communication link?
 - a. simplex
 - b. half duplex
 - c. full duplex
 - d. all of these

2. A _____ is a set of rules that governs data communication.
 - a. protocol
 - b. forum
 - c. standard
 - d. none of the above

3. There are two popular approaches to _____ switching : the datagram approach and virtual circuit approach
 - a. circuit
 - b. packet
 - c. message
 - d. b and c

4. Frame relay has _____
 - a. only the physical layer
 - b. only the datalink layer
 - c. the physical and datalink layer
 - d. the physical, layer and network layer

5. The fibers mostly not used nowadays for optical fiber communication system are ____
 - a. Single mode fibers
 - b. Multimode step fibers
 - c. Coaxial cables
 - d. Multimode graded index fibers

6. In the _____ Protocol, if no acknowledgment for a frame has arrived, we resend

all outstanding frames.

a. Stop-and-Wait ARQ

b. Go-Back-N ARQ

c. Selective-Repeat ARQ

d. none of the above

7. Both Go-Back-N and Selective-Repeat Protocols use a _____.

a. sliding frame

b. sliding window

c. sliding packet

d. none of the above

8. The operation of the fiber-optic cable is based on the principle of

a. Refraction

b. Reflection

c. Dispersion

d. Absorption

9. HTTP is _____ protocol.

a. application layer

b. transport layer

c. network layer

d. data link layer

10. Bluetooth uses _____

a. frequency hopping spread spectrum

b. orthogonal frequency division multiplexing

c. time division multiplexing

d. channel division multiplexing

Department of Information Technology

Sample MCQ set

Sub : FC5973- Linux Administration

1. Which command is used to display the operating system name
 - a) os
 - b) unix
 - c) kernel
 - d) uname
2. Which command is used to print a file
 - a) print
 - b) ptr
 - c) lpr
 - d) none of the mentioned
3. Which option of ls command used to view file inode number
 - a) -l
 - b) -o
 - c) -a
 - d) -i
4. Process information in the current shell can be obtained by using
 - a) kill
 - b) bg
 - c) fg
 - d) ps
5. Which signal is sent by the command "kill -9 " ?
 - a) INT
 - b) TERM
 - c) KILL
 - d) STOP
6. What command is used to copy files and directories?
 - a) copy
 - b) cp
 - c) rn
 - d) cpy
7. Which command is used to check filesystem usage in a system?
 - a) mount
 - b) df
 - c) du
 - d) dd
8. A user can change the default log-in shell using
 - a) chmod
 - b) chsh

- c) rssh
- d) tchsh

9. The login shell is

- a) The shell program that runs when the user logs in
- b) The shell program that authenticates the user while logging in
- c) Common shell for all the users that belong to the same group
- d) None of the mentioned

10. What command is used to remove directory?

- a) dm
- b) rm
- c) del
- d) rmdir

Sample MCQ-FC5979 SOFTWARE TESTING

Note: 1.Each Question carries *one* mark

2.Select correct option

1. The technique applied for usability testing is
 - a)White Box
 - b)Black Box
 - c)Grey Box
 - d)All of Above
2. Unit Testing is Done by
 - a)Users
 - b)Developers
 - c)Customers
 - d)None of the Above
3. Validation is
 - a)GUI Testing
 - b)Unit Testing
 - c) is the process confirming that software meets its specification
 - d)Configuration Testing
4. Boundary value analysis is a test design technique that complements
- a)Condition Testing
 - b)Graph Based Testing
 - c)Equivalence Partitioning
 - d)loop testing
5. Software Error during coding are known as
 - a)Bugs
 - b)Defects
 - c)Failures
 - d)Mistakes
6. Software Verification Includes
 - a)Review
 - b)Inspections
 - c)Walkthrough

d)all of the above

7.The Purpose of Acceptance Testing is

- a)To find fault in the System
- b)To Ensure the correctness of the system
- c)To test the system from the business perspective
- d)To demonstrate the effectiveness of the system

8. Usability Does not consist of

- a)Accuracy
- b)Reliability
- c)Learnibility
- d)Completeness

9. Black box testing also called as

- a)Functional testing
- b)Grey box Testing
- c)Unit testing
- d)Dynamic Testing

10. Optimal amount of testing is a software testing in which

- a) You don't test too much or too little
- b) attempt to test everything
- c) cut the testing short
- d) None of the Above

DEPARTMENT OF INFORMATION TECHNOLOGY

SAMPLE MCQs

FC3907- Programming Methodology

Note : 1. Each Question carries 1 mark.
2. Select correct option.

- Q. 1 What is the range of short datatypes in Java?
a) -128 to 127 b) -32768 to 32767 c) -2147483648 to 2147483647 d) None of the mentioned
- Q. 2 Who is known as the father of Java Programming Language?
a) James Gosling b) M. P. Java c) Charles Babbage d) Blais Pascal
- Q. 3 Which of these keywords must be used to inherit a class?
a) super b) this c) extent d) extends
- Q. 4 All classes in Java are inherited from which class?
a) java.lang.class b) java.class.inherited c) java.class.object d) java.lang.Object
- Q. 5 Which of these methods is used to add elements in a vector at a specific location?
a) add() b) set() c) addElement() d) AddElement()
- Q. 6 A class inherits an interface using which keyword?
a) Extends b) implements c) Inherits d) None
- Q. 7. Default value of a java thread is
a) 0 b) 1 c) 5 d) 10
- Q. 8. Which of these keywords is not a part of exception handling?
a) try b) finally c) thrown d) catch
- Q. 9. Which of these functions is called to display the output of an applet?
a) display() b) paint() c) displayApplet() d) PrintApplet()
- Q.10. Which of these packages contain classes and interfaces used for input & output operations of a program?
a) java.util b) java.lang c) java.io d) all of the mentioned

Department of Information Technology

Sample MCQ set

Sub : IF3910 Assembly Language Programming

1. The Carry flag is undefined after performing the operation
 - a. AAA
 - b. ADC
 - c. AAM
 - d. AAD
2. Each memory location has
 - a. Address
 - b. Contents
 - c. Both A and B
 - d. None of these
3. A microprocessor retrieves instructions from
 - a. Control memory
 - b. Cache memory
 - c. Main memory
 - d. Virtual memory
4. BIU STAND FOR:
 - a. Bus interface unit
 - b. Bess interface unit
 - c. A and B
 - d. None of these
5. The four index register can be used for
 - a. Arithmetic operation
 - b. Multiplication operation
 - c. Subtraction operation
 - d. All of these
6. How many type of addressing in memory?
 - a. Logical address
 - b. Physical address
 - c. Both A and B
 - d. None of these
7. _____ is the most important segment and it contains the actual assembly language instruction to be executed by the microprocessor
 - a. Data segment
 - b. Code segment
 - c. Stack segment
 - d. Extra segment

8. Which are the flags of status register?
 - a. Over flow flag
 - b. Carry flag
 - c. Zero flag
 - d. All of these

9. Which is the basic stack operation?
 - a. PUSH
 - b. POP
 - c. BOTH A and B
 - d. None of these

10. MAR stands for
 - a. Memory address register
 - b. Memory address recode
 - c. address register
 - d. None of these