

M.C.A DEGREE EXAMINATIONS: OCTOBER/NOVEMBER – 2008

Third Semester

P07CA305: Internet Programming

Time: Three Hours

Maximum Marks: 100

Answer ALL Questions:-

PART A (20 X 1 = 20 Marks)

1. HTTP stands for
A. Hyperlink Text Transfer Programme B. Hyperlink Text Testing Protocol
C. Hyper Text Transfer Programme D. Hyper Text Transfer Protocol
2. IP addresses are converted to
A. a binary string B. alphanumeric string
C. a hierarchy of domain names D. a hexadecimal string
3. Internet uses
A. Packet Switching B. Circuit Switching C. Telephone Switching D. Telex Switching
4. Identify the one which is not a browser.
A. Internet Explorer B. Netscape Navigator C. Mosaic D. Tiles
5. World Wide Web
A. is another name for internet B. world wide connection for internet
C. a collection of linked information residing on computers connected by internet
D. a collection of world wide information
6. HTML uses
A. pre-specified tags B. user defined tags
C. tags only for linking D. fixed tags defined by the language
7. The tag used in HTML, to link it with other URL's is:
A. <A> B. <H> C. <U> D. <I>
8. It is possible to display pictures (i.e. Images) in HTML, specification by using the tag
A. <JPG src = Picture file> B. <GIF src = Picture file>
C. <PIC src = Picture file> D.
9. What is Java's answer to its lack multiple inheritance?
A. Abstract classes B. Interfaces C. Inner classes D. Anonymous classes
10. Inheritance means
A. having a combination of properties and methods in a single unit
B. having methods of the same name
C. making enhancements to an existing class without modifying the original
D. relationship between superclasses and subclasses
11. The relational operator for equality is
A. != B. == C. =! D. ==
12. When you have a method in the base class, and you write a method in the subclass with the same name, this process is called:
A. Interface B. Polymorphism C. Hierarchy D. Overriding
13. In Java, small programs that run on the browser are called
A. Applications B. Applets C. Computer programs D. Browser programs

14. How do you close a window?
 A. Implement WindowListener and extend the WindowClosing.
 B. Implement WindowAdapter and extend the WindowListener.
 C. Implement WindowListener and extend the WindowAdapter.
 D. Implement WindowClosing and extend the WindowAdapter.
15. The MenuBar has how many constructors?
 A. 1 B. 2 C. 3 D. 4
16. What is the default layout for a frame?
 A. Flowlayout B. BorderLayout C. GridLayout D. GridBagLayout
17. What method connects to the database that you registered as DSN?
 A. getConnection B. Connection string C. Class.forName D. getDatabase
18. The writeObject method of which class saves the contents of the named object?
 A. FileOutputStream B. ObjectOutputStream C. FileInputStream D. ObjectInputStream
19. Which class establishes a link from the program to an actual disk?
 A. FileOutputStream B. ObjectOutputStream C. FileInputStream D. ObjectInputStream
20. What do JDBC classes handle?
 A. The name of the database
 B. Communication between your Java program and a database driver
 C. The type of database
 D. Provide the database drivers

PART B (5 X 16 = 80 Marks)

21. (a) Give the Overview of World Wide Web, Usenet Newsgroups and Video Conferencing in detail with suitable examples (16)

(OR)

21. (b) Write short note on the following:
- (i) Spam protection (4)
 - (ii) Online Chatting (4)
 - (iii) DNS (4)
 - (iv) Graphics Software on the Web (4)

22. (a) Create a home page for your college and incorporate the following concepts in your web page through HTML coding.
- (i) College Photo at the center of the page. (4)
 - (ii) Play music when the user enters into the home page. (4)
 - (iii) Provide link for the page "CurrentEvents.html" in top of the page. (4)
 - (iv) Embed the college video in bottom of the page. (4)

(OR)

22. (b) Write short note on the following:
- (i) File Transfer Protocol (FTP) (5)
 - (ii) Blocking Web Site. (5)
 - (iii) Optimizing Web Graphics (6)

23. (a) (i) Mention any four uses of packages. (4)
(ii) Create an interface for adding and subtracting two float numbers.
Implement the interface and demonstrate with suitable main. (12)

(OR)

23. (b) (i) Write similarities and dissimilarities of “this” and “super”. (4)
(ii) Discuss Exception handling mechanism in detail with suitable example. (12)

24. (a) (i) Write short note on Action Listener Interface with an example. (4)
(ii) Explain any three layout manager in detail with suitable example. (12)

(OR)

24. (b) Discuss in detail the multi threading concept with suitable examples. (16)

25. (a) (i) Explain JDBC three tier architecture with neat diagrams. (12)
(ii) Write short note on RMI. (4)

(OR)

25. (b) Explain the following :
(i) Session beans. (8)
(ii) Entity beans. (8)

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