*Or*

(a) What are the various applications of Applets ? **5**

(b) What is CGI programming ? Discuss its usefulness in web programming. **6**

Subject Code—0123

## M. Sc. (CS)/M.C.A. EXAMINATION

(Main & Re-appear)

(Batch 2009 Onwards)

(Fourth Semester)

(MCA-3 Years)

INTERNET AND WEB PROGRAMMING

MS-18

*Time :* 3 *Hours*    *Maximum Marks :* 70

### Section A

**Note** : Attempt any *Seven* questions. **7×5=35**

1. What is an Internet ? Give a brief history of Internet.

2. What do you mean by Home Page of a Website ? Discuss the significance of the home page.

3. How a link is inserted in HTML ? Explain with example.

4. Discuss features of JAVA in brief.

5. What is JVM ?

6. What are methods in JAVA Language ?

7. What is a Search Engine ?

8. What is an Applet ? Why is it used ?

9. How parameters are passed to an Applet ? Explain using an example.

10. What is a CGI program ? Discuss its applications.

## Section B

**Note** : Attempt all the questions.

11. (a) What are the various Security Issues in Internet ? How these issues can be handled ? **6**

    (b) What are the various data types available in JAVA ? Explain with suitable example. **6**

*Or*

Explain the various decision making and loop control structures available in JAVA with suitable example. **12**

12. (a) Explain the various features of JAVA in detail. **6**

    (b) Explain Applet life-cycle with proper diagram. **6**

*Or*

Write short notes on the following :

(i) Gopher **3**

(ii) JAVA Run Time Environment **3**

(iii) Interfaces in JAVA **3**

(iv) Applet Tag. **3**

13. (a) What are Exceptions ? How they are handled in JAVA ? **5**

    (b) Write an Applet program to print a moving text on the screen. **6**