

Roll No. ....

Subject Code—657-X

**M. Sc. EXAMINATION**

(Third/Fourth Semester)

(Re-appear)

**COMPUTER SCIENCE**

**MS-18**

**Internet and Web Programming**

*Time : 3 Hours*

*Maximum Marks : 100*

**Note :** Attempt any *Five* questions. All questions carry equal marks.

1. (a) What is concept of searching ? Discuss various search tools. **10**
- (b) Explain working of Gopher Protocol. **10**
2. (a) Create web page in HTML. Discuss various methods of linking. **10**

- (b) Explain various mechanisms for embedding and linking image and pictures in web page. 10
3. (a) Why is Java language so popular to used in Internet and Web programming ? Justify. 10
- (b) Discuss why Java programs are platform independent ? 10
4. (a) Discuss various branching condition and statements in Java. 10
- (b) Describe about various operators and their precedences in Java. 10
5. (a) What is the utility of Interfaces packages ? Give an example. 10
- (b) Discuss concept of exception rethrowing. 10
6. (a) Compare local and remote applets. 10
- (b) Create an executable applet. Also discuss applet tag. 10

7. (a) Discuss the working of E-mail. How were POP, SMTP protocol used ? 10
- (b) Explaining about working of interactive layout with frames. 10
8. Write short notes on the following :  $5 \times 4 = 20$
- (a) Web Security
- (b) CGI
- (c) Telnet
- (d) JVM.