Note: 1. Attempt all questions. Each question carries equal marks.

1. Write short note on following-
   (a) Home tab.
   (b) Insert tab
   (c) Page layout tab
   (d) Formulas tab.
   (e) Data tab.

   OR

   Explain animations tab and slide show tab in detail.

2 (a) What is process synchronization?
   (b) What are the four necessary condition of deadlock?

   OR

   (a) Explain the architecture of UNIX.

3. (a) Explain TCP/IP model in brief.
   (b) Write short note on network security.

   OR

   Write short note on-
   (f) Switch.
   (g) Gateway.
   (h) Router.

4. What is aspect oriented programming.

   OR

   Write short note on-
   (i) Flow chart.
   (j) Control structure.

5. (a) Explain if-else statement with the help of suitable example.
   (b) Write a program to print following output using for loop-

```
* 
** 
*** 
****
```
(a) Explain following terms-
   (i) Variables and its types.
   (ii) Tokens.

(b) Write a program to print factorial of any number.
BE 205
Model Test Paper - I

BASIC COMPUTER ENGINEERING

Time: 3 Hours MM: 70

Note: 1. Attempt all questions. Each question carries equal marks.

1. (a) Explain Von Newman model and its architecture.
   (b) Write short note on Windows.

   OR

Write short note on following-
   (a) Ribbon
   (b) Quick access toolbar.
   (c) Status bar.
   (d) Scroll bar.

2. (a) What is virtual memory? Explain
   (b) What is deadlock? Explain.

   OR

Write short note on-
   i. FCFS scheduling.
   ii. Round robin scheduling.

3. (a) What is computer networking and what are its goals.
   (b) What are the various topologies used in networking.

   OR

   (a) What is World Wide Web?
   (b) What is E-commerce?

   OR

What are the types of programming language. Explain each of them.

5. Write short note on following-
   i. Call by value functions.
   ii. Call by reference functions.

   OR

   (a) What is array and its types.
   (b) Write a program to print Fibonacci series.