2015

M.Sc.

3rd SEMESTER EXAMINATION

COMPUTER SCIENCE

PAPER—COS-304

Full Marks : 50

Time : 2 Hours

The figures in the margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

(Wireless Network)

Group—A

Answer any *two* questions.

1. (a) What is hidden terminal problem and expose terminal problem ? Explain.

   (b) What is MANET ? Differentiate MANET and WSN.

   5+5

2. (a) What is mobile IP ? How mobile IP works ?   2+4

(b) Discuss spread spectrum communication. Discuss different types of spread spectrum communication.

1+3

3. (a) Draw a Comparative study of GSM and CDMA and evaluate the better choice.   5

(b) Write some advantage of satellite system. Establish the equation of satellite system of calculating the distance from earth surface.   2+3

4. Write short note on any *two* :   2×5

(a) Bluetooth ;

(b) VANET ;

(c) AODV ;

(d) DTN.

(*Web Technology*)

Group—B

Answer any *two* questions.

1. (a) What do you mean by Just In Time (JIT) Compilation ?

3

(Continued)

(b) Explain different stages of ASP.net Page life cycle.

5

(c) What is ASP.net Page directive ? 2

2. (a) Give a brief description of Microsoft.net framework.

7

(b) What is LINQ ? Why it is used ? 1+2

3. (a) Explain the architecture of ADD.net. 4

(b) Difference between OLEDB data provider and SQL client. 3

(c) What is IIS ? Why it is used ? 1+2

4. (a) What is HTTP handler in ASP.net ? What are web server controls in ASP.net ? 2+1

(b) What is authentication and authorization ? 3

(c) What is SOAP ? What are the advantage of UDDI over DISCO ? 2+2

[Internal Assessment — 10 Marks]

(Turn Over)