Reg.No. \_\_\_\_\_\_\_\_\_\_\_\_



**UNIVERSITY**

(Karunya Institute of Technology & Sciences)

(Declared as Deemed-to-be University under Sec.3 of the UGC Act, 1956)

**Supplementary Examination – June – 2017**

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| **Code :** | **14CS2015** | **Duration :** | **3hrs** |
| **Sub. Name :** | **E-COMMERCE** | **Max. marks :** | **100** |

**ANSWER ALL QUESTIONS (5 x 20 = 100 Marks)**

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| Q. No. | Sub Div. | Questions | Course  Outcome | Marks |
| 1. | a. | Briefly discuss on the following:  i) HTTP ii) Cookies | CO1 | 10 |
| b. | Explain the web system architecture with neat diagram. | CO1 | 10 |
| (OR) | | | | |
| 2. |  | Illustrate the layered model for the internet with neat diagram. | CO1 | 20 |
| 3. | a. | In a bus ticket reservation system , where online bookings can be done in a booking center anywhere in the country, client sign in to use the booking and payment services provided by the system. Explain the security issues involved in implementing and maintaining the system. | CO1 | 10 |
|  | b. | Write notes on the following HTML tags.  i)TABLE  ii)FORM | CO2 | 10 |
| (OR) | | | | |
| 4. | a. | Explain the traditional session tracking techniques with examples. | CO2 | 12 |
|  | b. | Encrypt the following message using Cesar cipher with shift key = -3 right SEPTEMEBER WE WILL HAVE INDUSTRIAL VISIT. | CO1 | 4 |
|  | c. | Encrypt the message using Transposition Cipher.  Key: **4 3 1 2 5 6 7**  Plain Text: THE CLASS STARTS AT NINE IN THE MORNING. | CO1 | 4 |
| 5. | a. | Discuss the different categories of firewalls with neat diagrams. | CO1 | 10 |
|  | b. | What is JDBC? With a neat diagram illustrate the layered infrastructure of JDBC. | CO2 | 10 |
| (OR) | | | | |
| 6. | a. | Given p=3, q=11 and M=5, Elucidate the steps and perform encryption and decryption using the RSA algorithm. | CO1 | 15 |
|  | b. | Give short notes on Cookies. | CO1 | 5 |
| 7. | a. | Consider a Virtual Stationary Store wants to establish a secure connection with a business partner. Identify and explain the application of IPSec service formed between Stationary Store and business partner? | CO2 | 10 |
|  | b. | Explain the internet advertising techniques and strategies in detail. | CO2 | 10 |
| (OR) | | | | |
| 8. |  | Analyze the various models of retailing with examples. | CO1 | 20 |
|  | | **Compulsory:** |  |  |
| 9. |  | Create a home page for a Virtual Book Store using HTML. [Use images, hyperlinks, tables and forms] What are the steps involved in building a Virtual Book Store? | CO2 | 20 |