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**E Reg. No. :**

**Question Paper Code: 57P32**

Ph.D. COURSE WORK EXAMINATION, NOV 2017

Elective

Computer Science Engineering

15PCS518 - PROTOCOLS AND ARCHITECTURE FOR WIRELESS SENSORNETWORK (Regulation 2015)

Duration: Three hours Maximum: 100 Marks

Answer ALL Questions

PART - A (5 x 20 = 100 Marks)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 1. | (a) | Give a detail about challenges for wireless sensor network. | CO1- U | (20) |
|  |  | Or |  |  |
|  | (b) | List the major issues in WSN. | CO1- Ana | (20) |
|  |  |  |  |  |
| 2. | (a) | Explain and detail about single node architecture. | CO2- U | (20) |
|  |  | Or |  |  |
|  | (b) | Give a detail about OS environment performance. | CO2- U | (20) |
|  |  |  |  |  |
| 3. | (a) | Explain self-configuring localization system. | CO3- Ana | (20) |
|  |  | Or |  |  |
|  | (b) | Explain & detail about sensor management network protocol. | CO3- C | (20) |
|  |  |  |  |  |
| 4. | (a) | Explain and detail about geographic routing. | CO4- Ana | (20) |
|  |  | Or |  |  |
|  | (b) | Give a detail about compression techniques in WSN. | CO4- Ana | (20) |
|  |  |  |  |  |
| 5. | (a) | Explain about mote in WSN. | CO5- U | (20) |
|  |  | Or |  |  |
|  | (b) | Explain the categories of motes. | CO5- U | (20) |
|  |  |  |  |  |