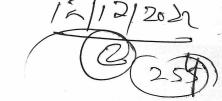
राष्ट्रीय प्रौद्योगिकी संस्थान हमीरपुर हिमाचल प्रदेश – १७७००५, भारत



End Semester Examination 2022-2023 Odd Semester

Branch: Elec. & Comm. Engg (Dual Degree) Subject Name: Wifi, Bluetooth and Zigbee Semester: 7th

Time Duration: 3 Hours

Subject Code: EC-706 Total Marks: 50 • Note: All questions are compulsory. Roll No.: 1. Explain MAC Frame Format in IEEE 802.11 standard. [10]2. Write a note on the following in the context of IEEE 802.11 standard: (a) Association, Re-association and Disassociation. [3] (b) Inter-frame Spaces. [3] (c) Addressing. [3] (d) IEEE 802.11g. [3] (e) Ad-hoc Mesh Configuration supported by WiFi. [3] 3. What are various frequency bands and RF channels used in Bluetooth standard? [5] 4. What is Logic Link Control and Adaptation Protocol in Bluetooth? [10] 5. What do you mean by Active and Passive Scan and Guaranteed Time Slot in Zigbee [5]standard? 6. Explain physical layer specifications for IEEE 802.15.4 standard? [5]