

Q.P. Code : 812702

(3 Hours)

[Total Marks : 80

- N.B. :** (1) Question No. 1 is **Compulsory**.
(2) Answer any **three** out of remaining **five** questions.
(3) Assume suitable data if required and justify it.



1. Draw and Explain (any **four**) 20
(a) WSN
(b) DPSK
(c) TDMA
(d) Ultra wide band
(e) Peer-to-peer communication with Wireless HART
2. (a) What are the different hand-off techniques? What is frequency reuse principle? Explain cellular telephony with neat block diagram. 10
(b) Explain with neat block diagram DSSS. 10
3. (a) Draw waveforms for given series using OQPSK 100101110. 10
(b) Explain Bluetooth with its architecture. 10
4. (a) Explain WAP Architecture in detail. 10
(b) Explain how Wireless HART adaptor works? How it is Powered and its types of connection. 10
5. (a) Explain system Redundancy with Wireless HART. 10
(b) Differentiate between WAP and imode. 5
(c) List out the advantage and disadvantage of WAP. 5
6. Write short notes on : 20
(a) WLAN
(b) Introduction to 3G and 4G
(c) Applications of WAP.
(d) Wireless Foundation Fieldbus