**BHARATI VIDYAPEETH INSTITUTE OF TECHNOLOGY**

**QUESTION BANK**

**Unit Test-I (Shift:-I & II)**

**Program: - EJ**

**Semester: - V Course: MWC(22533)**

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**Unit- I Wireless Communication Systems (12 M)**

1. **Marks Questions**

1. List various mobile radio systems around the world.

2.State the function of logic and control unit.

3.define 1. Base station 2.forward channel.

**4 Marks Questions**

4. Draw and explain block diagram of mobile unit.

5. **Give three examples of wireless systems. Describe any one system**..

6 **Draw the block diagram of frequency synthesizer and explain it**.

7. Draw the block diagram of receiver unit of mobile handset and explain it.. 8. Draw the block diagram of ransmitter unit of mobile handset and explain it.

9. Explain mobile phone repairing testing methods.

10. Explain common problems and solutions of mobile handset.

11State and explain commonly used sensors .

**Unit -II Fundamentals of cellular system (12 M)**

**2 Marks Questions**

12 .Define Cell and Cluster.

13.State the types of hand off.

**4 Marks Questions**

14.Describe the basic cellular system.

15. **Describe the concept of frequency reuse**

16. **What is hand-off? Explain it in details**.

17. **List types of interference occurred in cellular systems. Explain anyone in details.**

**Unit- III Digital cellular mobile standards (16M)**

**2 Marks Questions**

18. State services offerd by GSM.

19. State the characteristic of GSM .

20. State the features of GSM.

**4 Marks Questions.**

21. **Compare CDMA & TDMA**

22. Draw and explain GSM architecture.