Dr. SNS RAJALAKSHMI COLLEGE OF ARTS & SCIENCE (Autonomous)
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DEPARTMENT OF GRAPHIC & CREATIVE DESIGN AND DATA ANALYTICS
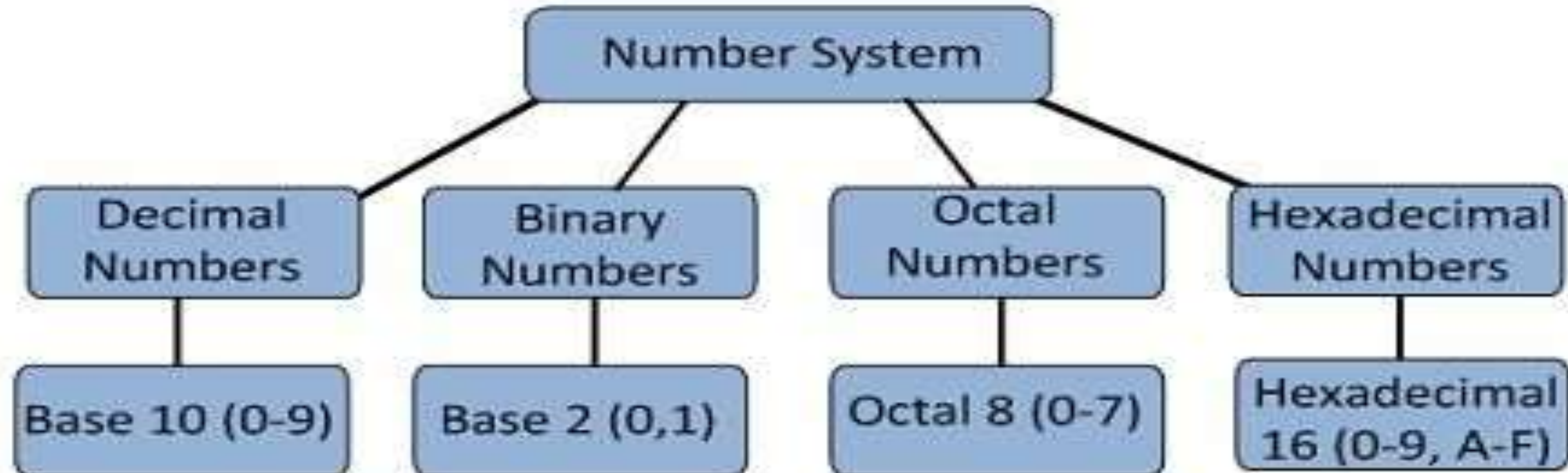
COURSE NAME : COMPUTER SYSTEM ARCHITECTURE (23UCU402)

I YEAR /I SEMESTER

Unit I- Data Representation

Topic 2 : Number system Radix

Number Systems - Radix

Assessment - Questions

1. Radix also called as -----------

2. Bit referred as ------------ and ---------

3. Binary number base is --------

4. Decimal number base is --------

5. Octal number base is --------

6. Hexa deciaml number base is --------

7. 1202 is written in decimal number system as ----------

8. 1100 is written in binary number system as ----------

9. 1202 is written in Octal number system as ----------

10. A239 is written in decimal number system as ----------

Assessment-Answers

1. Radix also called as **base**

2. Bit referred as **0** and **1**

3. Binary number base is **2**

4. Decimal number base is **10**

5. Octal number base is **8**

6. Hexa deciaml number base is **16**

7. 1202 is written in decimal number system as **$(1202)_{10}$**

8. 1100 is written in binary number system as **$(1100)_2$**

9. 1202 is written in Octal number system as **$(1202)_8$**

10. A239 is written in decimal number system as **$(A239)_{16}$**

References

1. M.Morris Mano, "Computer System Architecture" 3rd Edition, Prentice Hall of India ,2000, ISBN-10: 0131663631

2. V.K. Puri, ─DIGITAL ELECTRONICS CIRCUITS AND SYSTEMS" McGraw Hill Education (1 July 2017). ISBN-10: 9780074633175 , ISBN-13: 978-0074633175

3. William Stallings, "Computer Organization and Architecture, Designing for Performance" PHI/ Pearson Education North Asia Ltd., 10th Edition 2016, ISBN 978-0- 13-410161-3 ─ ISBN 0-13-410161-8.

Thank You