**Chap-2**

1. What is meant by number system Define its types. **(Grw-2021) (Grw-2021) (BWP-2021) (MLTN-2023) (LHR-2022) (BWP-2022) (Grw-2022) (Lhr 2021)** **(DGK-2021(mor) ) (DGK-2021(eve) )(Grw-2021) (Lhr 2021)** **(BWP-2023)**
2. What is difference between bit and byte? **(DGK-2021(mor) ) (DGK-2021(eve) )(LHR-2022)** **(Grw-2021) (Lhr 2021)**
3. What do you mean by the Base or Radix of a Number System? **(MLTN-2022)(BWP-2022)**
4. How is Data represented in Computer? **(Grw-2022) (DGK-2021) (BWP-2022)**
5. Define commutative law / Distributive law / identity law **(DGK-2022) (Grw-2022) (LHR-2022) (RWP-2022)** **(BWP-2022)**
6. Define Boolean algebra / expression **(LHR-2022)** **(BWP-2021) (DGK-2022) (Grw-2022) (RWP-2022)**
7. What is meant by logical expressions? **(LHR-2022)** **(Grw-2022)**
8. Define memory and write the name/Define its types. **(MLTN-2021)** **(Grw-2021) (BWP-2021) (RWP-2022) (Lhr 2021)**
9. How a statement is considered as boolean proposition? / Give example of proposition  **(MLTN-2022) (FSD-2023) (RWP-2023) (Lhr 2021) (MLTN-2022)**
10. Define truth table / Values **(BWP-2022)**  **(LHR-2022)** **(BWP-2021) (MLTN-2021)** **(Lhr 2023)**
11. Write four names of Storage Device / Secondary memory **(FSD-2023) (Grw-2022) (DGK-2022)**
12. What is difference between memory and storage? **(MLTN-2023) (DGK-2022)**
13. Define ASCII code. **(FSD-2023)**
14. What do you know about non-volatile memory? /Write down difference between volatile memory and non volatile- memory / Why RAM is called volatile memory. **/** Explain Volatile Memory with example / Why we called secondary memory is non- volatile memory. **(MLTN-2022(Mor) ) (Lhr 2021)** **(BWP-2023) (DGK-2021) (MLTN-2021)** **(Grw-2021) (BWP-2022) (Grw-2022) (LHR-2022(MOR) )** **(LHR-2022 (eve) ) (MLTN-2021)** **(LHR-2022)** **(MLTN-2022(Eve) ) (RWP-2022)**
15. Write names / Define all Logical operator  **(DGK-2021) (BWP-2023) (Grw-2022) (MLTN-2022) (BWP-2022) (Grw-2021)**

**C.Q’s**

1. Draw Truth Table of logical NOT / AND / OR operator **(MLTN-2022) (LHR-2022(Mor) )** **(LHR-2022(Eve) )** **(DGK-2022) (MLTN-2021) (MLTN-2023) (BWP-2022) (Grw-2022) (Lhr 2023) (LHR-2022)** **(Grw-2021) (RWP-2023)**
2. (11600001)10/ (69610)10 / (101111)2 / (357)10 convert into hexadecimal **(LHR-2022)** **(MLTN-2022) (RWP-2023)** **(Lhr 2021)** **(Grw-2022)**
3. Convert (1000001)2 / (C 921)16 / (1024)16 (1011)2 / (CF21)10 into Decimal Number System. **(BWP-2022) (BWP-2023) (DGK-2022) (LHR-2022) (DGK-2021) (FSD-2023) (MLTN-2021) (MLTN-2023)**
4. Prove that : A.B.C=C.B.A / A.B= B.A **/** x + y = y + x **(BWP-2022) (MLTN-2022) (RWP-2023)**
5. Convert (A23)16 / (A23)16 / (160)10 / (158)10/ (156)10 / (A23)16 / into binary number system. **(MLTN-2022) (MLTN-2021(Mor) )** **(MLTN-2021(eve) )** **(RWP-2022(Mor) )** **(BWP-2022(eve) ) (Grw-2022)**
6. How to convert binary number to a decimal, with an example **(Lhr 2021)**
7. Draw compound proposition table of P+Q+NOT(P). **(Grw-2022)**
8. Write the truth table for X and Y if X= today is Friday Y=It is very cold today **(BWP-2022)**
9. Write expression using associative Law using AND and OR operator **(MLTN-2022)**