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| 1. | **Give Analog output for 4-bit DAC for digital input 1101. Assume Vfs = 5V** |
| Ans |  |
| 2. | **Compare the following (Any three points)**  **i) Volatile with Non-volatile memory**  **ii) SRAM with DRAM memory** |
| Ans |  |
| 3. | **State two specification of DAC.** |
| Ans |  |
| 4. | **Give classification of memory and compare RAM and ROM (any four points)** |
| Ans |  |
| 5. | **List the types of DAC** |
| Ans |  |
| 6. | **Compare the following:**  **(i) Volatile with Non Volatile.**  **(ii) EPROM with EEPROM.** |
| Ans |  |
| 7. | **Calculate the analog output for 4 bit weighted register type DAC for inputs**  **(i) 1011**  **(ii) 1001**  **Assume (Vfs) full scale range of voltage is 5V** |
| Ans |  |
| 8. | **Draw the block diagram of Programmable Logic Array** |
| Ans |  |