



Q 3

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Answer ANY THREE of the following.

- a) Write an 8085 Assembly Language Program to add two 16-Bit Numbers stored in Memory at **8050H & 8051H** and **8052H & 8053H** and store the result of the addition at **8054H, 8055H & 8056H**.
- b) Write an 8085 Assembly Language Program to arrange an array of 8 bytes starting from **8100H** in ascending order.
- c) Write an 8085 Assembly Language Program to multiply two 8-Bit Numbers stored at **8050H** and **8051H** and store the result of the addition at **8052H & 8053H**.
- d) With a neat Diagram Explain the Internal Architecture of 8085 including Register Set, Memory Interfacing and Functioning of 8085.

..... *End of question paper* .....