AF-3511

M.Sc. (Final)
Term End Examination, 2017-18

PHYSICS

Paper - IV

Electronics-II

Time : Three Hours]   [*Maximum Marks* : 100
[*Minimum Pass Marks* :   36

Note : Answer any **five** questions. All questions carry
equal marks.

1. (*a*) Explain the evolution of Microprocessors.

    (*b*) Discuss the different types of memory
    used in computers.

2. (*a*) Explain the Architecture of 8085.

349_BSP_(3)   *(Turn Over)*

(2)

(*b*) Explain the Data bus and Address bus used in 8085.

3. What are Addressing modes used in Microprocessor 8085 ? Explain briefly.

4. Explain the various types of high-level languages used in Microprocessor 8085.

5. What is ADC 800 ? Explain Interfacing of A/D converter ADC 800.

6. What do you mean by program design methodology ? Explain flow chart, looping and counting.

7. (*a*) What is Microprocessor based Traffic Control ?

   (*b*) Explain debugging counter.

8. (*a*) Explain Arithmetic and Logical group used in Microprocessor 8085.

   (*b*) What are assembler and compiler ?

9. (*a*) Sketch the pin diagram of 8085.

   (*b*) Discuss the main features of DAC 808.

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(3)

10. Explain any **two** of the following :

    (*a*) 7-Segment LED display

    (*b*) Microprocessor based Information System

    (*c*) Registers of 8085

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