

Roll No. ....

Total Pages : 3

**2170/M**

**K-21/2051**

**PC ASSEMBLING AND TROUBLESHOOTING**

Paper–DCHN-4

Semester–II

Time allowed : 3 Hours] [Maximum Marks : 60

**Note:** The candidates are required to attempt two questions each from section A and section B carrying 12 marks each and the entire section C consisting of 6 questions carrying 2 marks each.

**SECTION-A**

1. (a) What are the major components of a PC?  
Explain in detail. 8
- (b) Explain the steps in the opening of a system unit. 4

2. (a) How can you select the adequate CPU for a motherboard? What are the things that must be taken care off? Explain in detail. 8
- (b) What are the expansion cards that may be mounted on a CPU? 4
3. What are the types of the RAM technologies? Explain in detail. How a sound card works? How right sound card may be purchased? Explain installing a sound card for the Windows system. 12

**SECTION-B**

5. Explain the construction, configuring and partitioning a hard-drive in detail. 12
6. (a) Explain the concepts of Scandisk, defragmentation and disk cleanup in detail. 6
- (b) Explain hard disk maintenance and troubleshooting. 6

7. (a) Discuss CD media technology in detail. 6  
(b) Explain CD media troubleshooting. Also, explain disk and drive problems. 6
8. What are the problems that do occur in the monitors? How they may be resolved? Explain. 12

### SECTION-C

9. Attempt all questions :  $6 \times 2 = 12$
- (i) Explain heat and sink assemble.
- (ii) What is BIOS?
- (iii) Name the internal components of PC.
- (iv) What is graphics processor?
- (v) What is auto play feature in Windows?
- (vi) What is the need for Hard Disk Partitioning?