



BRAINWARE UNIVERSITY

Course – B.Sc. (HN)

Basic Hardware (BHNC201)

(Semester – 2)

Time allotted: 3 Hours

Full Marks: 70

[The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.]

Group –A

(Multiple Choice Type Questions)

10 x 1 = 10

1. *Choose the correct alternative from the followings*
 - (i) What is the color of wire, carrying -12V DC in SMPS?

a. Red	b. White
c. Blue	d. Black
 - (ii) Which is the core part of Operating System?

a. Shell	b. Software
c. Compiler	d. Kernel
 - (iii) Which is the bootloader of Windows 7 Ultimate?

a. NTLDR	b. NTDETECT.COM
c. NTOSKRNL.EXE	d. None of these
 - (iv) Which of the following techniques belongs to RAID-1?

a. Disk Mirroring	b. Spanned Volume
c. Disk Duplexing	d. Strip sets with parity
 - (v) What is the socket number of Intel Pentium-III?

a. 1	b. 2
c. 4	d. None of these
 - (vi) Which of the following voltages is used by the chipset in a motherboard?

a. +5V SB	b. +12V DC
c. +5V DC	d. +3.3V DC
 - (vii) How many pins are in DDR2 SDRAM?

a. 240	b. 184
c. 168	d. None of these

10. (a) What is the importance of 'Front Side Bus' in a motherboard? [2]
(b) Discuss the significance of 'ICH' in the motherboard. [3]
(c) Describe the following common power problems:- [10]
Spikes, Surges, Brownout, Blackout
11. (a) Write the importance of RTC/NVRAM. [5]
(b) Differentiate between BIOS and UEFI. [5]
(c) What are the things you would check, if a customer complains that [5]
the computer is working very slow?
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