

STELLA MARIS COLLEGE (AUTONOMOUS), CHENNAI – 600 086
(For Candidates admitted during the academic year 2004-05 & thereafter)

SUBJECT CODE : CA/MO/HT34

B.C.A. DEGREE EXAMINATION – NOVEMBER 2007
THIRD SEMESTER

REG. NO. : _____

COURSE : MAJOR OPTIONAL

PAPER : HARDWARE CONCEPTS AND TROUBLE SHOOTING

TIME : 20 MINUTES

MAX. MARKS : 20

TO BE ANSWERED ON THE QUESTION PAPER ITSELF :

SECTION – A

(20X1=20)

ANSWER ALL THE FOLLOWING QUESTIONS:

Choose the best answer :

1. BIOS is
 - a) Boolean Included Operation System
 - b) Basic Input/Output System
 - c) Boolean Input/Output system
 - d) Basic Interface Outlet System
2. DMA stands for
 - a) direct Memory Access
 - b) Directory Memory Action
 - c) dual Main Action
 - d) Dual Memory Access
3. CRT stands for
 - a) Cathode Radium Tube
 - b) Cathode Ray Television
 - c) Cathode Ray Tube
 - d) Calcium Ray tube
4. Netware OS is a product of
 - a) Apple
 - b) Macintosh
 - c) Novell
 - d) Microsoft
5. Modem stands for
 - a) motion Demodulator
 - b) Modern Enhancement Methods
 - c) Modulator Demodulator
 - d) Modulation Development
6. RAM is
 - a) non-volatile
 - b) static
 - c) volatile
 - d) dynamic
7. Which of the following is an Input device?
 - a) Light Pen
 - b) Keyboard
 - c) Joystick
 - d) all the above
8. DIPP stands for
 - a) Dual inline package pin
 - b) Double interface pin package
 - c) Dual interface package pin
 - d) Dual Inline pin package

- 9. PPRAM stands for
 - a) Parallel Processing Random Access Memory
 - b) Pin Package Random Access Memory
 - c) Parallel Pin random Access Memory
 - d) Pin Processing Random Access Memory

- 10. DNS stands for
 - a) Dynamic Name System
 - b) Domain Name Server
 - c) Domain Name System
 - d) Dynamic Name Server

Fill in the blanks :

- 11. _____ is a dedicated port specially designed for graphics.
- 12. _____ is a measure which will equal watts.
- 13. JPEG stands for _____.
- 14. FAT stands for _____.
- 15. RAID stands for _____

Match the following :

- 16. Spike - topology
- 17. UART - optical mice
- 18. Pointing Device - power supply
- 19. Modem - serial port
- 20. Ring - 512 kbps



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TIME : 2 HOURS & 40 MINUTES **MAX. MARKS : 80**

SECTION – B

(8X5=40)

ANSWER ANY EIGHT OF THE FOLLOWING QUESTIONS :

1. Explain Multimedia Components.
2. Explain Pentium MMX.
3. What are device drivers? Explain.
4. Discuss the functional parts of microprocessors.
5. Explain about configuring modem in OS.
6. What are boot floppies? Explain them.
7. What are sound blaster cards? Explain.
8. Write about bad track recognition.
9. Discuss about resource sharing in different networks.
10. Name any three anti virus software. Discuss.

SECTION – C

(4X10=40)

ANSWER ANY FOUR OF THE FOLLOWING QUESTIONS :

11. Explain in detail about micro computer components.
12. Write about the following memories.
a) RAM b) EPROM c) EEPROM d) ROM e) FLASH RAM
13. Discuss in detail about coaxial cables and UTP.
14. Explain in detail MPEG II and I technology. Give example.
15. Explain about partitioning and formatting hard disk.
16. Discuss various output devices with example.

