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M. C. A. ENTRANCE

TEST PAPER: COMPUTER AWARENESS TEST-II

Total Questions: 15

Max. Time: 20 Min.

1. The proliferation of MOS technology for implementing microprocessor is attributed to
 - (a) its low power dissipation property and lower cost
 - (b) its operating speed
 - (c) its low capacitance
 - (d) non-availability of suitable material for manufacturing microprocessors with other technology
2. In the initial year RISC technology was expensive since
 - (a) RISC microprocessor consumed more power
 - (b) it needed expensive packaging
 - (c) it needed a larger chip
 - (d) it needed larger memory besides cache memory
3. The economics of RISC technology was improved by
 - (a) increasing cache memory size
 - (b) reducing memory requirement
 - (c) improving speed of processor
 - (d) adopting super-scalar architecture in processor design
4. In spite of the extra power needed for refreshing, DRAM are widely used in computer because
 - (a) of the lower cost of bus
 - (b) of its lower cost relative of SRAMs
 - (c) of ease of programming
 - (d) of its higher speed relative of SRAMs
5. The gap in bandwidth between the microprocessor and dynamic RAM
 - (a) has remained same between 1990 and 1995
 - (b) has increased marginally between 1990 and 1995
 - (c) has reduced slightly between 1990 and 1995
 - (d) has increased steeply between 1990 and 1995
6. SOI technology has been successful with reference to
 - (a) SRAM
 - (b) DRAM
 - (c) magnetic tape
 - (d) core memory
7. Low-power, single transistor cell and in-system re-writability are the features associated with
 - (a) SRAM
 - (b) flash
 - (c) EEPROM
 - (d) ROM
8. Secondary storage device is needed to
 - (a) perform arithmetic and logical calculations
 - (b) store small volume of data
 - (c) print output results
 - (d) store large volumes of data and programs that exceed the capacity of the main memory (at reasonable costs)
9. Which one of the following does not fall under the category of secondary storage devices?
 - (a) Static Random Access Memory
 - (b) Hard disk
 - (c) Optical disk
 - (d) Winchester disk
10. Which one of the following medium is universal, portable and inexpensive but has its own limitation in terms of storage capacity and speed?
 - (a) Hard disk
 - (b) Winchester disk
 - (c) Floppy disk
 - (d) Optical disk
11. Which one of the following features in common for all types of disks?
 - (a) Some physical property of the microscopic area of the disk surface is changed for recording
 - (b) Weight of the disk
 - (c) Size of the disk
 - (d) Colour of the disk

12. In a disk, each block of data is written into

- (a) one sector
- (b) three sectors
- (c) two sectors
- (d) two or more sectors

13. The gap between the read/write head and the disk surface is of the order of

- (a) about one millimeter
- (b) a few millimeters
- (c) 0.5 millimeter
- (d) 0.5 to 2.5 microns

14. In the case of Winchester disk, the head

- (a) contacts the recording surface occasionally
- (b) never contacts the disk surface
- (c) always contacts the recording surface
- (d) contacts only the landing area while not recording

15. Out of the following types of floppy disks, which one has a metal hub?

- (a) 5.25 inch floppy disk
- (b) 8 inch floppy disk
- (c) 3.5 inch floppy disk
- (d) 7.25 inch floppy disk