



# B/DHARMADUTHA COLLEGE.

## FIRST TERM TEST - 2017

### Information and Communication Technology

Grade 10

Time:- 1 hour

#### Paper 1

• **Underline the correct answer.**

1. This device was invented about 5000 years ago.  
(a) Computer                      (b) abacus                      (c) calculator                      (d) telephone
2. Which generation introduced 'Transistors' ?  
(a) First generation                      (b) Second generation  
(b) (c) Third generation                      (d) Fourth generation
3. .... is the computer invented in First generation.  
(a) Apple                      (b) LARC                      (c) ENIAC                      (d) CDS
4. This is not a quality of information.  
(a) Length                      (b) accuracy                      (c) effectiveness                      (d) timely
5. ATM stands for ...  
(a) Automated Teller Machine                      (b) Automated Time Machine  
(c) Advanced Teller Machine                      (d) Advanced Teller Machine
6. The major parts of a CPU are.....  
(a) RAM and ROM                      (b) CU and RAM                      (c) ALU and CU                      (d) RAM and ALU
7. .... is a pointing device.  
(a) Key board                      (b) mouse                      (c) Webcam                      (d) scanner
8. The output on the screen is called a .....  
(a) first copy                      (b) soft copy                      (c) hard copy                      (d) light copy
9. These printers produce clear and quality printouts.  
(a) dot matrix                      (b) inject                      (c) laser                      (d) thermal
10. The basic components of a computer system are...  
(a) input and output                      (b) data and information  
(c) print and save                      (d) input, processing and output

11. The speed of the computer is measured in  
 (a) hertz (b) byte (c) seconds (d) bits
12. RAM is a ..... Memory.  
 (a) secondary (b) permanent (c) volatile (d) non- volatile
13. This port connects the key board and mouse to the computer.  
 (a) PS/2 (b) parallel (c) serial (d) VGA
14. This is an example for half – duplex mode of data transmission.  
 (a) radio (b) television (c) telephone (d) walkie – talkie
15. ....is an example for radio wave based communication.  
 (a) telephone (b) radio (c) Wifi (d) microphone
16. This is a network security.  
 (a) firewood (b) firewall (c) fireball (d) fire place
17. This isn't considered as a computer network.  
 (a) LAN (b) MAN (c) BAN (d) WAN
18. The base value of octal number system is ..

19. The MSD and LSD of 239154 are..  
 (a) 1 and 9 (b) 2 and 4 (c) 2 and 9 (d) 4 and 2
20. Binary equivalent of  $37_{10}$  is ....  
 (a) 100101 (b) 101101 4 (c) 100011 (d) 100010
21. Decimal equivalent of  $2A_{16}$  is ...  
 (a) 10 (b) 12 4 (c) 42 (d) 32

22. Name of this logic gate is...



- (a) AND (b) NOT (c) OR (d) NAND
23. The Boolean expression of the above gate is.  
 (a)  $C = A + B$  (b)  $C = A * B$  (c)  $C = \overline{A * B}$  (d)  $C = \overline{A + B}$
24. A ..... is a sequence of instructions written in computer language.  
 (a) plan (b) input (c) language (d) program
25. Language that could be directly understood by the computer is the ....  
 (a) First language (b) computer language (c) machine language (d) simple language

26. This is a device used as an input as well as output  
 (a) mouse (b) touch screen (c) joystics (d) key board
27. This gate isn't included in basic logic gates.  
 (a) AND (b) NOT (c) OR (d) NAND
28. This is regarded as the brain of the computer.  
 (a) key board (b) mouse (c) CPU (d) printer
29. This is not included in network topology.  
 (a) key (b) star (c) tree (d) bus
30. This is the device that protects the computer from power failures.  
 (a) ALU (b) CPU (c) CU (d) UPS
31. The smallest unit of storing data in a computer is ..  
 (a) byte (b) bit (c) gigabyte (d) nibble
32. Which of these is not used in Health Sector.  
 (a) CAT (b) ECG (c) GPS (d) MRI
33. . Which of these is used in Transportation.  
 (a) CAT (b) EEG (c) GPS (d) MRI
34. The device used to mark the MCQ papers in examinations  
 (a) OMR (b) ATM (c) GPS (d) MRI
35. Which of these can be used as backups ?  
 (a) CD (b) DVD (c) Flash drive (d) all of these
36. This device is commonly used in libraries.  
 (a) CAT (b) OMR (c) OCR (d) none of these
37. This is the best example for hybrid computer.  
 (a) ECG (b) CCTV (c) OMR (d) none of these
38. Which of these are optical media devices?  
 (a) CD (b) DVD (c) Blue - ray (d) all of these
39. Which port is used to connect microphones and speakers to a computer system?  
 (a) VGA (b) Audio (c) PS / 2 (d) all of these
40. Which device is used to connect two or more computer networks?  
 (a) Modem (b) telephone line (c) ports (d) router

( 40 marks)