

Answer Paper - Paper I

01. (iv) 02. (i) 03. (iii) 04. (iv) 05. (i) 06. (iv) 07. (ii) 08. (ii) 09. (iii) 10. (i)
 11. (iv) 12. (iii) 13. (ii) 14. (ii) 15. (iii) 16. (iii) 17. (iv) 18. (i) 19. (ii) 20. (iii)
 21. (iii) 22. (iv) 23. (ii) 24. (iv) 25. (iii) 26. (iii) 27. (iii) 28. (ii) 29. (i) 30. (i)
 31. (ii) 32. (i) 33. (iii) 34. (iv) 35. (iii) 36. (ii) 37. (iii) 38. (iii) 39. (iv) 40. (ii)

Paper II

01. (i) Information is systematically processed data that gives a comprehensive meaning to the recipient. Eg:- z - score of G.C.E. Advanced Level Examination Results.
 Data :- Data are the collection of facts, numbers letters, images and measurements that are not processed in any mean. Eg:- G.C.E. Advanced Level examination results of the students.

(ii)

Generation	Technology used
1 generation	vaccum tubes
2 generation	t r a n s i s t o r s
3 generation	integrated circuits
4 generation	micro processor

(iii)

1. × 2. ✓ 3. ✓ 4. ✓

- (iv) Personal computers, Laptop computers, Palmtop computers Workstation computers, Notebook computers.

- (v) telephone conversations, video conferencing

(vi)

$$10010010_2$$

$$1\ 0\ 0\ 1\ 0\ 0\ 1\ 0$$

$$2^8\ 2^7\ 2^6\ 2^5\ 2^4\ 2^3\ 2^2\ 2^1$$

$$128+0+0+16+0+0+2+0 = 146$$

- (vii) ATM - Automatic Teller Machine Telebanking, Phone banking

- (viii) High capacity small in size, can read & write data in any time

- (ix) very easy to install, easy to identify & correct errors

- (x) Low electrical consumption smaller in size - Low power consumption, faster processing
 (2 x 10 = 20)

02. (i) A control unit / B arithmetic & logical unit / C input / D secondary storage / E primary storage / F output (½ x 6 = 03)

- (ii) A keyboard, mouse / B - CD, DVD, Magnetic tapes / F Printer, monitor
 (½ x 2 x 3 = 03)

- (iii) Arithmetic & Logical Unit. (1 x 1 = 01)

- (iv) Typing the report A Saving the report - D Printing the report F (02marks)

- (v) Store temporarily data which are needed to the CPU (01 mark)

03.

- (i)
- | | type of port | No. of pins / holes | device/devices connected to them |
|---------------|--------------|---------------------|----------------------------------|
| Serial port | male | 25 pins | modem / serial mouse |
| Parallel port | female | 25 holes | printer / scanner |
| VGA port | female | 15 holes | monitor |
| PS/2 port | female | 06 holes | mouse / keyboard |

Serial port male 25 pins modem / serial mouse

Parallel port female 25 holes printer / scanner

VGA port female 15 holes monitor

PS/2 port female 06 holes mouse / keyboard

(½ x 12 = 06)

- (ii) plug & play , Hot pluggable , hot swappable. (2 x 2 = 04)