Answer Paper - Paper I

01. (1) 02. (3) 03. (3) 04. (2) 05. (3) 06. (4) 07. (2) 08. (3) 09. (3) 10. (2)

11. (3) 12. (1) 13. (4) 14. (3) 15. (2) 16. (1) 17. (2) 18. (3) 19. (2) 20. (2)

21. (4) 22. (2) 23. (3) 24. (2) 25. (3) 26. (3) 27. (4) 28. (2) 29. (1) 30. (3)

31. (1) 32. (4) 33. (2) 34. (2) 35. (3) 36. (1) 37. (2) 38. (3) 39. (2) 40. (2)

Paper II

01 (1) mouse   - Ps/2 Port / USB port

Printer   - Parellel port / USB port

Monitor - VGA port

Keyboard - Ps/2 Port / USB Port

(2) Less space / very low power consumption / Lack of flicker

(3) to avoid risk of sudden power failure & fluctuations.

(4)

$$\overline{\overline{A.A} \; . \; \overline{B.B}}$$
$$= \quad \overline{\overline{A.A}} \; + \; \overline{\overline{B.B}}$$
$$= \quad A.A \; + \; B.B$$
$$= \quad \underline{A+B}$$

A, B → OR gate → A + B

(5) $AC_{16} + 426_8$

A	C		4	2	6
10	12				

1 0 1 0   1 1 0 0   1 0 0   0 1 0   1 1 0

$2^7\,2^6\,2^5\,2^4$ $2^3\,2^2\,2^1\,2^0$ $2^8\,2^7\,2^6$ $2^5\,2^4\,2^3$ $2^2\,2^1\,2^0$

$128+0+32+0+8+4+0+0$ $256+0+0+0+16+0+4+2+0$

172   278

(6)

1st generation programming languages	2nd generation programming languages
Program written in machine code Too many instructions Translator was not wanted	Assembly language was used to write programs Less instructions Translator needed (Assembler)

(7)

Table A	Tabel B
A Name B Course fee C Date of Birth D Number of items	P Number Q Date and Time R Text S Currency

(A–R, B–S, C–Q, D–P)

(8) • No daily time tables, provide the facility to learn at your convenience.

• Can do assignments & questionnairs online.

• minimizing the difficulties of traveling & related expenses.

• helps in saving time & money

(9) **Internet:-** An internet is a group of networks connected together and it refers to the globle connection of networks around the world.

Intranet:- Computer network which is arranged by a particular institute using the techniques of internet in a way that it can be used only by the internal people of the institute & it is restricted only to the institute.
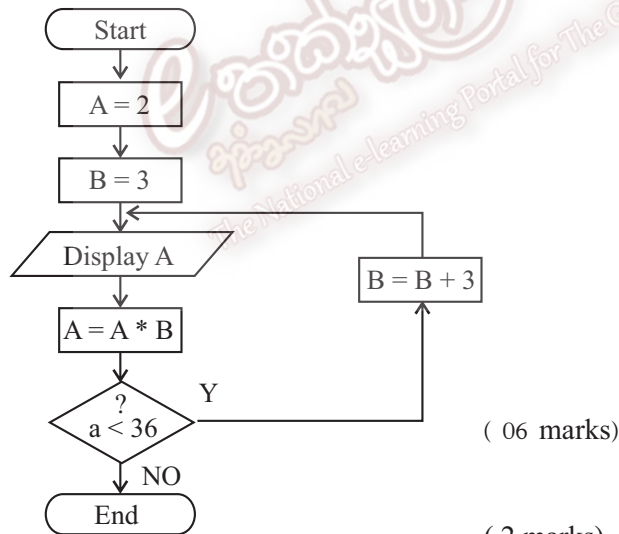
(10) (1) Algorithm:- Algorithm is the step by step method that is used to solve a problem.

(2) Graphically - Flow chart, Textually - pseudo code

02. (1) folder - 3 sub folder - 2 (02 marks)   (2)   5 (01 mark)   (3) C (01 mark)
    (4) C : / Notes / Money . xls (01 mark)
    (5) Spreadsheet Software (01 mark)
    (6) Word Processing Software (01 mark)
    (7) Work (01 mark)
    (8) Right click - rename / double click on the name of the file - rename   (02 marks)

03. (1) D1 numbers   D2 text (01 mark)
    (2) = formulae (01 mark)
    (3) Total   = sum (B2 : D2) (½ mark)
        Average = Average (B2 : D2) (½ mark)
        Rank   = Rank (F2, $ F $ 2 : $ F $ 6 , 0) (ළ. 01)
    (4) = Round (F2 , 2) / = round (Average (B2 : D2), 2) (02 marks)
    (5) = E2/3 = round (E3/3, 2) (02 marks)
    (6) give marks for any appropriate answer (2 marks)   (Total = 10 marks)

04. (1) * Can share resources * Can share data & information very easily * Can access internet * Ease in centralized software management. (2 marks)
    (2) * Network faults can causes loss of data   * System opens to hackers * Possibility to loss resources due to the errors of the network system. (2 marks)
    (3) The computer that are physically connected to one another is called network to pology. * star / bus / tree / ring/ mesh)   (4 marks)
    (4) give marks for appropriate answer (1 x 2 - 2 marks)   (Total = 10 marks)

05 (1) 2, 6 (02 marks)
    (2)

(06 marks)

(2 marks)   (Total = 10 marks)

    (3) Arthur "Pass"   Berty "Fail"   Charlie "Pass"   David "Fail" (02 marks)

06 (1) **Advantage:-** * Can retrieve information very quickly,   * Can retrieve information on time, * Accurately.   **Disadvantages:-** * failure of the computerized system will affect for the working of organization. (2 marks)
    (2)

Sub system	External system
employees	Customers Suppliers

(2 marks)

    (3) Problem definition / feasibility study / System analysis / System design / System Development / Testing / System Implemention / system maintenance (4 marks)
    (4) Technical feasibility / Operational feasibility / Economic feasibility. (2 marks) - (10 marks)