



# G.C.E. A/L Examination July - 2017

Conducted by Field Work Centre, Thondaimanaru  
In Collaboration with  
Provincial Department of Education Northern Province

Grade :- 12 (2019)

General Information Technology

Marking scheme

## Part I

|     |   |     |   |     |   |     |   |
|-----|---|-----|---|-----|---|-----|---|
| 1.  | a | 11. | c | 21. | a | 31. | c |
| 2.  | d | 12. | d | 22. | b | 32. | c |
| 3.  | b | 13. | d | 23. | c | 33. | b |
| 4.  | d | 14. | c | 24. | b | 34. | b |
| 5.  | c | 15. | d | 25. | d | 35. | d |
| 6.  | c | 16. | b | 26. | c | 36. | d |
| 7.  | c | 17. | a | 27. | b | 37. | d |
| 8.  | b | 18. | b | 28. | a | 38. | c |
| 9.  | d | 19. | c | 29. | a | 39. | d |
| 10. | d | 20. | d | 30. | a | 40. | c |

## Part II

1)

a)

| A | B | C | NOT B | A AND NOT B | A AND NOT B OR C | F |
|---|---|---|-------|-------------|------------------|---|
| 0 | 0 | 0 | 1     | 0           | 0                | 1 |
| 0 | 0 | 1 | 1     | 0           | 1                | 0 |
| 0 | 1 | 0 | 0     | 0           | 0                | 1 |
| 0 | 1 | 1 | 0     | 0           | 1                | 0 |
| 1 | 0 | 0 | 1     | 1           | 1                | 0 |
| 1 | 0 | 1 | 1     | 1           | 1                | 0 |
| 1 | 1 | 0 | 0     | 0           | 0                | 1 |
| 1 | 1 | 1 | 0     | 0           | 1                | 0 |

(Each row has 1 mark, total marks 8)

b) i) 101110      ii) 1001101 (Steps 1 mark, Answer ½ mark, 2 \* 1 ½ = 3 marks)

c) i) 43      ii) 103      (Steps 1 ½ mark, Answer ½ mark, 2 \* 2 = 4 marks)

2) a)

| Device    | Data <b>can</b> be changed (✓) | Data <b>cannot</b> be changed (✓) |
|-----------|--------------------------------|-----------------------------------|
| Hard disk | ✓                              |                                   |
| ROM       |                                | ✓                                 |
| Pen drive | ✓                              |                                   |
| RAM       | ✓                              |                                   |
| CD-RW     | ✓                              |                                   |

(5 marks)

b) i) Hardware :- CD-ROM drive, Central Processing Unit  
Software :- Internet browser, Spreadsheet, Anti virus (5 marks)

c) i) False ii) False iii) False iv) False v) True (5 marks)

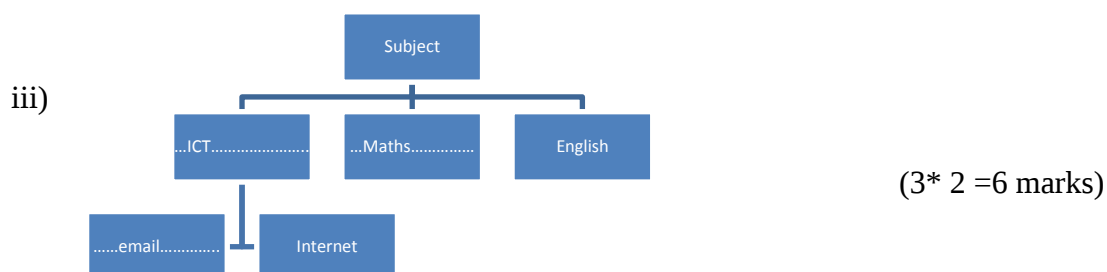
3) a) **Capacity of RAM, Speed of the processor,** (4\*2 = 8 marks)

b) ALU, CU and Memory Registers (3 marks)

c) Hard Disk, Floppy Disk, Magnetic Tapes, Reels, Cassettes, Jaz or Zip Disk (4 marks)

4) i) Disk Cleanup, Disk Defragmentation, Anti Virus software, Backup software, Screen Servers (give marks for Suitable answers) (3 marks)

ii) Windows, Icons, Menu, Pointer (All are correct 6 marks, Three correct 5 marks, Two correct 4 marks, One Correct 2 marks)



- 5) i) 5 (1 mark) ii) 14 (1 mark) iii) 1 (1 mark)  
iv) 3 (1 mark) v) 15 (2 marks) vi) 10 (2 marks)  
vii) 19 (2 marks) viii) 9, 5 (3 mark) ix) 6 (2 marks)