



# **A/L GIT Marking Scheme**

**2019 – July**

**2020 (Gr.12) Batch**



agaram.lk

**Field Work Center (FWC)**

**Thondaimanaru**



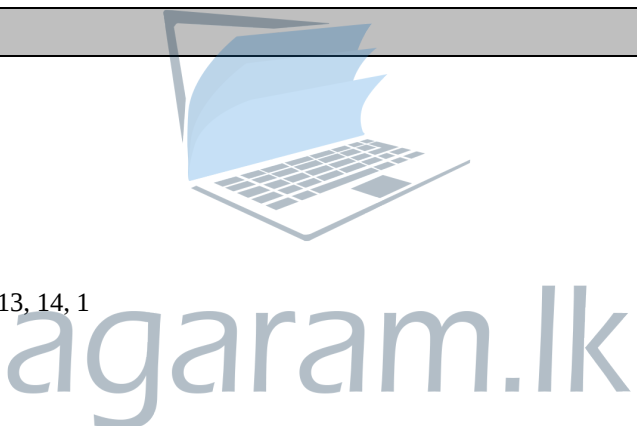
**Part I – Answers**

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

**Part – II Answers**

| Question No. | Suggested answers                                                                                                                                                                                                                                                                                                      | Marks   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |         |
|--------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---------|
| (1)          |                                                                                                                                                                                                                                                                                                                        |         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |         |
| (a)          | 101010111100 <sub>2</sub>                                                                                                                                                                                                                                                                                              | 2 marks |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |         |
| (b)          | <table><tr><th>A</th><th>B</th><th>C</th><th>D</th><th>Q</th></tr><tr><td>0</td><td>0</td><td>1</td><td>0</td><td>0</td></tr><tr><td>0</td><td>1</td><td>1</td><td>1</td><td>1</td></tr><tr><td>1</td><td>0</td><td>0</td><td>0</td><td>0</td></tr><tr><td>1</td><td>1</td><td>0</td><td>0</td><td>1</td></tr></table> | A       | B | C | D | Q | 0 | 0 | 1 | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 1 | 3 marks |
| A            | B                                                                                                                                                                                                                                                                                                                      | C       | D | Q |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |         |
| 0            | 0                                                                                                                                                                                                                                                                                                                      | 1       | 0 | 0 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |         |
| 0            | 1                                                                                                                                                                                                                                                                                                                      | 1       | 1 | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |         |
| 1            | 0                                                                                                                                                                                                                                                                                                                      | 0       | 0 | 0 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |         |
| 1            | 1                                                                                                                                                                                                                                                                                                                      | 0       | 0 | 1 |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |         |
| (c)          | Ms-Windows, GNU/Linux                                                                                                                                                                                                                                                                                                  | 2 marks |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |         |
| (d)          | Star, Tree, Bus, Mesh, Ring                                                                                                                                                                                                                                                                                            | 3 marks |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |         |
| (e)          | General purpose, Special purpose computers                                                                                                                                                                                                                                                                             | 2 marks |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |         |
|              |                                                                                                                                                                                                                                                                                                                        |         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |         |
| (2) (a)      |                                                                                                                                                                                                                                                                                                                        |         |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |         |
| (i)          | (c)                                                                                                                                                                                                                                                                                                                    | 1 marks |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |         |
| (ii)         | (d)                                                                                                                                                                                                                                                                                                                    | 1 marks |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |         |
| (iii)        | (a)                                                                                                                                                                                                                                                                                                                    | 1 marks |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |         |
| (iv)         | (b)                                                                                                                                                                                                                                                                                                                    | 1 marks |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |         |

|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                      |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
| <b>(2) (b)</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                      |
| <b>(i)</b>     | Backpain, Eyestain, neck pain, shoulder pain, wrist pain, mental depression                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>2 marks</b>                                                                       |
| <b>(ii)</b>    | <ul style="list-style-type: none"> <li>• Keeping eyes 24-30 cm away from computer monitor.</li> <li>• Using ergonomically designed equipment and devices such as table, chair, mouse, and keyboard, etc.</li> <li>• Using 'foot rest/stool' under foot.</li> <li>• Sitting on chair in correct posture.</li> <li>• Keeping suitable height between chair and table.</li> <li>• Taking rest frequently.</li> <li>• Doing simple stretches and exercises frequently.</li> <li>• Keeping proper light in the room.</li> <li>• Changing of Focal length of eyes by viewing various points.</li> </ul> | <b>2 marks</b>                                                                       |
| <b>(iii)</b>   | Locked door, security guards, CCTV, UPS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>2 marks</b>                                                                       |
| <b>(iv)</b>    | Password, data encryption, data backup                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <b>2 marks</b>                                                                       |
| <b>(3)</b>     | A - center / h1<br>B - h1/ center<br>C - hr<br>D - img<br>E - alt<br>F - p<br>G - br<br>H - ul<br>I - li<br>J - href                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>H - 2 marks</b><br><br><b>I - 2 marks</b><br><br><b>Others – 1 marks for each</b> |
| <b>(4) (a)</b> | StudentId from Student table<br>SubjectId from Subject table<br>StudentId+SubjectId from Student_Subject table                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | <b>3 marks</b>                                                                       |
| <b>(b)</b>     | StudentId, SubjectId from Student_Subject table                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <b>2 marks</b>                                                                       |
| <b>(c)</b>     | (i) Text/ String<br>(ii) Text / String<br>(iii) Text / String<br>(iv) Number<br>(v) Text / String                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>5 marks</b>                                                                       |
| <b>(d)</b>     | Student, Subject, Student_Subject                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>2 marks</b>                                                                       |

|     |                                                                                                                                                                                               |                    |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| (5) |                                                                                                                                                                                               |                    |
| (a) | =MIN(B2:B10)                                                                                                                                                                                  | 3 marks            |
| (b) | =AVERAGE(B2:B10)                                                                                                                                                                              | 3 marks            |
| (c) | =MAX(B2:B10)                                                                                                                                                                                  | 3 marks            |
| (d) | Column chart<br>Bar chart<br>Line chart<br>Area chart                                                                                                                                         | 3 marks            |
| (6) |  (i) 3, 5, 14<br>(ii) 7<br>(iii) 9<br>(iv) 2<br>(v) 13, 14 OR 13, 14, 1<br>(vi) 10<br>(vii) 8<br>(viii) 12 | 8 x 1.5 = 12 marks |

**Part – I** 1 x 40 = 40 marks

**Part – II** 12 x 5 = 60 marks

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