



| Question         | Taxonomy    |                                         |                                                                  |                 | Content Areas        |                     |                       |                      |                        |                     |                 | % of Paper |
|------------------|-------------|-----------------------------------------|------------------------------------------------------------------|-----------------|----------------------|---------------------|-----------------------|----------------------|------------------------|---------------------|-----------------|------------|
|                  | Lower Order | Middle Order                            | Higher Order                                                     |                 |                      |                     |                       |                      |                        |                     |                 |            |
|                  | Knowledge   | Applying Knowledge in Familiar Contexts | Reasoning & Reflecting Applying Knowledge in Unfamiliar Contexts | Question Totals | Solution Development | System Technologies | Internet Technologies | Network Technologies | Information Management | Social Implications | Question Totals |            |
|                  | 30%         | 40%                                     | 30%                                                              | 100%            | 20%                  | 40%                 | 10%                   | 10%                  | 10%                    | 10%                 | 100%            |            |
| 1.1.1            |             | 1                                       |                                                                  | 1               |                      | 1                   |                       |                      |                        |                     | 1               | 0,7        |
| 1.1.2            |             | 1                                       |                                                                  | 1               |                      |                     | 1                     |                      |                        |                     | 1               | 0,7        |
| 1.1.3            |             | 1                                       |                                                                  | 1               | 1                    |                     |                       |                      |                        |                     | 1               | 0,7        |
| 1.1.4            |             | 1                                       |                                                                  | 1               |                      |                     | 1                     |                      |                        |                     | 1               | 0,7        |
| 1.1.5            |             | 1                                       |                                                                  | 1               |                      | 1                   |                       |                      |                        |                     | 1               | 0,7        |
| 1.2.1            | 1           |                                         |                                                                  | 1               | 1                    |                     |                       |                      |                        |                     | 1               | 0,7        |
| 1.2.2            | 1           |                                         |                                                                  | 1               |                      |                     |                       |                      |                        | 1                   | 1               | 0,7        |
| 1.2.3            |             | 1                                       |                                                                  | 1               | 1                    |                     |                       |                      |                        |                     | 1               | 0,7        |
| 1.2.4            |             |                                         | 1                                                                | 1               |                      |                     |                       | 1                    |                        |                     | 1               | 0,7        |
| 1.2.5            | 1           |                                         |                                                                  | 1               |                      | 1                   |                       |                      |                        |                     | 1               | 0,7        |
| 1.2.6            | 1           |                                         |                                                                  | 1               |                      |                     |                       | 1                    |                        |                     | 1               | 0,7        |
| 1.2.7            | 1           |                                         |                                                                  | 1               |                      |                     | 1                     |                      |                        |                     | 1               | 0,7        |
| 1.2.8            | 1           |                                         |                                                                  | 1               |                      |                     | 1                     |                      |                        |                     | 1               | 0,7        |
| 1.2.9            | 1           |                                         |                                                                  | 1               |                      |                     |                       | 1                    |                        |                     | 1               | 0,7        |
| 1.2.10           | 1           |                                         |                                                                  | 1               |                      | 1                   |                       |                      |                        |                     | 1               | 0,7        |
| Total Question 1 | 8           | 6                                       | 1                                                                | 15              | 3                    | 4                   | 4                     | 3                    | 0                      | 1                   | 15              | 10%        |

| Question                | Taxonomy    |                                         |                                                                  |                 | Content Areas        |                     |                       |                      |                        |                     |                 | % of Paper |
|-------------------------|-------------|-----------------------------------------|------------------------------------------------------------------|-----------------|----------------------|---------------------|-----------------------|----------------------|------------------------|---------------------|-----------------|------------|
|                         | Lower Order | Middle Order                            | Higher Order                                                     |                 |                      |                     |                       |                      |                        |                     |                 |            |
|                         | Knowledge   | Applying Knowledge in Familiar Contexts | Reasoning & Reflecting Applying Knowledge in Unfamiliar Contexts | Question Totals | Solution Development | System Technologies | Internet Technologies | Network Technologies | Information Management | Social Implications | Question Totals |            |
| 2.1.1                   |             | 1                                       |                                                                  | 1               | 1                    |                     |                       |                      |                        |                     | 1               | 0,7        |
| 2.1.2                   |             | 1                                       |                                                                  | 1               | 1                    |                     |                       |                      |                        |                     | 1               | 0,7        |
| 2.1.3                   |             | 1                                       |                                                                  | 1               |                      | 1                   |                       |                      |                        |                     | 1               | 0,7        |
| 2.1.4                   |             | 1                                       |                                                                  | 1               |                      | 1                   |                       |                      |                        |                     | 1               | 0,7        |
| 2.1.5                   |             | 1                                       |                                                                  | 1               |                      |                     |                       |                      |                        | 1                   | 1               | 0,7        |
| 2.1.6                   |             | 1                                       |                                                                  | 1               | 1                    |                     |                       |                      |                        |                     | 1               | 0,7        |
| 2.2.1                   | 1           |                                         |                                                                  | 1               |                      |                     |                       |                      |                        | 1                   | 1               | 0,7        |
| 2.2.2                   | 1           |                                         |                                                                  | 1               |                      | 1                   |                       |                      |                        |                     | 1               | 0,7        |
| 2.2.3                   | 1           |                                         |                                                                  | 1               |                      |                     | 1                     |                      |                        |                     | 1               | 0,7        |
| 2.2.4                   | 1           |                                         |                                                                  | 1               |                      |                     |                       | 1                    |                        |                     | 1               | 0,7        |
| <b>Total Question 2</b> | <b>4</b>    | <b>6</b>                                | <b>0</b>                                                         | <b>10</b>       | <b>3</b>             | <b>3</b>            | <b>1</b>              | <b>1</b>             | <b>0</b>               | <b>2</b>            | <b>10</b>       | <b>7%</b>  |
| 3.1.1                   | 1           | 1                                       |                                                                  | 2               |                      | 2                   |                       |                      |                        |                     | 2               | 1,3        |
| 3.1.2                   | 1           | 1                                       |                                                                  | 2               |                      | 2                   |                       |                      |                        |                     | 2               | 1,3        |
| 3.1.3                   | 1           | 1                                       |                                                                  | 2               |                      | 2                   |                       |                      |                        |                     | 2               | 1,3        |
| 3.1.4                   | 1           | 1                                       |                                                                  | 2               |                      | 2                   |                       |                      |                        |                     | 2               | 1,3        |
| 3.2                     |             |                                         | 2                                                                | 2               |                      | 2                   |                       |                      |                        |                     | 2               | 1,3        |
| 3.3                     |             |                                         | 2                                                                | 2               |                      | 2                   |                       |                      |                        |                     | 2               | 1,3        |
| 3.4                     | 2           |                                         |                                                                  | 2               |                      | 2                   |                       |                      |                        |                     | 2               | 1,3        |
| 3.5.1                   | 1           | 1                                       |                                                                  | 2               |                      | 2                   |                       |                      |                        |                     | 2               | 1,3        |
| 3.5.2                   | 2           |                                         |                                                                  | 2               |                      | 2                   |                       |                      |                        |                     | 2               | 1,3        |
| 3.5.3                   |             | 1                                       |                                                                  | 1               |                      | 1                   |                       |                      |                        |                     | 1               | 0,7        |
| 3.5.4                   | 1           |                                         |                                                                  | 1               |                      | 1                   |                       |                      |                        |                     | 1               | 0,7        |
| <b>Total Question 3</b> | <b>10</b>   | <b>6</b>                                | <b>4</b>                                                         | <b>20</b>       | <b>0</b>             | <b>20</b>           | <b>0</b>              | <b>0</b>             | <b>0</b>               | <b>0</b>            | <b>20</b>       | <b>13%</b> |

| Question         | Taxonomy    |                                         |                                                                  |                 | Content Areas        |                     |                       |                      |                        |                     |                 | % of Paper                                                                            |
|------------------|-------------|-----------------------------------------|------------------------------------------------------------------|-----------------|----------------------|---------------------|-----------------------|----------------------|------------------------|---------------------|-----------------|---------------------------------------------------------------------------------------|
|                  | Lower Order | Middle Order                            | Higher Order                                                     |                 |                      |                     |                       |                      |                        |                     |                 |                                                                                       |
|                  | Knowledge   | Applying Knowledge in Familiar Contexts | Reasoning & Reflecting Applying Knowledge in Unfamiliar Contexts | Question Totals | Solution Development | System Technologies | Internet Technologies | Network Technologies | Information Management | Social Implications | Question Totals |                                                                                       |
| 4,1              | 1           |                                         |                                                                  | 1               |                      |                     | 1                     |                      |                        |                     | 1               | 0,7<br>2,7<br>0,7<br>0,7<br>0,7<br>0,7<br>0,7<br>2<br>1,3<br>1,3<br>0,7<br>1,3<br>13% |
| 4,2              |             | 4                                       |                                                                  | 4               |                      |                     |                       | 4                    |                        |                     | 4               |                                                                                       |
| 4.3.1            |             | 1                                       |                                                                  | 1               |                      |                     | 1                     |                      |                        |                     | 1               |                                                                                       |
| 4.3.2            |             | 1                                       |                                                                  | 1               |                      |                     | 1                     |                      |                        |                     | 1               |                                                                                       |
| 4.3.3            |             | 1                                       |                                                                  | 1               |                      |                     | 1                     |                      |                        |                     | 1               |                                                                                       |
| 4.3.4            |             | 1                                       |                                                                  | 1               |                      |                     | 1                     |                      |                        |                     | 1               |                                                                                       |
| 4,4              |             |                                         | 3                                                                | 3               |                      |                     | 3                     |                      |                        |                     | 3               |                                                                                       |
| 4.5.1            | 2           |                                         |                                                                  | 2               |                      |                     |                       | 2                    |                        |                     | 2               |                                                                                       |
| 4.5.2            |             | 2                                       |                                                                  | 2               |                      |                     |                       | 2                    |                        |                     | 2               |                                                                                       |
| 4.5.3            | 1           |                                         |                                                                  | 1               |                      |                     |                       | 1                    |                        |                     | 1               |                                                                                       |
| 4.6.1            |             | 2                                       |                                                                  | 2               |                      |                     |                       | 2                    |                        |                     | 2               |                                                                                       |
| Total Question 4 | 4           | 12                                      | 3                                                                | 19              | 0                    | 0                   | 8                     | 11                   | 0                      | 0                   | 19              |                                                                                       |
| 5.1.1            |             |                                         | 2                                                                | 2               |                      |                     |                       |                      | 2                      |                     | 2               |                                                                                       |
| 5.1.2            |             |                                         | 2                                                                | 2               |                      |                     |                       |                      | 2                      |                     | 2               |                                                                                       |
| 5,2              |             | 3                                       |                                                                  | 3               |                      |                     |                       |                      | 3                      |                     | 3               |                                                                                       |
| 5,3              |             | 1                                       | 1                                                                | 2               |                      |                     |                       |                      | 2                      |                     | 2               |                                                                                       |
| 5,4              | 1           |                                         |                                                                  | 1               |                      |                     |                       |                      | 1                      |                     | 1               |                                                                                       |
| Total Question 5 | 1           | 4                                       | 5                                                                | 10              | 0                    | 0                   | 0                     | 0                    | 10                     | 0                   | 10              |                                                                                       |
| 6.1.1            |             | 1                                       |                                                                  | 1               |                      |                     |                       |                      |                        | 1                   | 1               |                                                                                       |
| 6.1.2            |             | 2                                       |                                                                  | 2               |                      |                     |                       |                      |                        | 2                   | 2               |                                                                                       |
| 6,2              |             | 1                                       |                                                                  | 1               |                      |                     |                       |                      |                        | 1                   | 1               |                                                                                       |
| 6,3              |             | 2                                       |                                                                  | 2               |                      |                     |                       |                      |                        | 2                   | 2               |                                                                                       |

| Question                | Taxonomy    |                                         |                                                                  |                 | Content Areas        |                     |                       |                      |                        |                     |                 | % of Paper |
|-------------------------|-------------|-----------------------------------------|------------------------------------------------------------------|-----------------|----------------------|---------------------|-----------------------|----------------------|------------------------|---------------------|-----------------|------------|
|                         | Lower Order | Middle Order                            | Higher Order                                                     |                 |                      |                     |                       |                      |                        |                     |                 |            |
|                         | Knowledge   | Applying Knowledge in Familiar Contexts | Reasoning & Reflecting Applying Knowledge in Unfamiliar Contexts | Question Totals | Solution Development | System Technologies | Internet Technologies | Network Technologies | Information Management | Social Implications | Question Totals |            |
| 6,4                     | 2           |                                         |                                                                  | 2               |                      |                     |                       |                      |                        | 2                   | 2               | 1,3        |
| 6,5                     |             | 2                                       |                                                                  | 2               |                      |                     |                       |                      |                        | 2                   | 2               | 1,3        |
| 6,6                     |             |                                         | 2                                                                | 2               |                      |                     |                       |                      |                        | 2                   | 2               | 1,3        |
| <b>Total Question 6</b> | <b>2</b>    | <b>8</b>                                | <b>2</b>                                                         | <b>12</b>       | <b>0</b>             | <b>0</b>            | <b>0</b>              | <b>0</b>             | <b>0</b>               | <b>12</b>           | <b>12</b>       | <b>8%</b>  |
| 7,1                     |             |                                         | 2                                                                | 2               | 2                    |                     |                       |                      |                        |                     | 2               | 1,3        |
| 7,2                     |             |                                         | 2                                                                | 2               | 2                    |                     |                       |                      |                        |                     | 2               | 1,3        |
| 7,3                     |             |                                         | 1                                                                | 1               | 1                    |                     |                       |                      |                        |                     | 1               | 0,7        |
| 7,4                     |             |                                         | 1                                                                | 1               | 1                    |                     |                       |                      |                        |                     | 1               | 0,7        |
| 7.5.1                   |             |                                         | 2                                                                | 2               | 2                    |                     |                       |                      |                        |                     | 2               | 1,3        |
| 7,6                     |             |                                         | 4                                                                | 4               | 4                    |                     |                       |                      |                        |                     | 4               | 2,7        |
| 7,7                     | 1           |                                         |                                                                  | 1               | 1                    |                     |                       |                      |                        |                     | 1               | 0,7        |
| 7,8                     | 1           |                                         |                                                                  | 1               | 1                    |                     |                       |                      |                        |                     | 1               |            |
| <b>Total Question 7</b> | <b>2</b>    | <b>0</b>                                | <b>12</b>                                                        | <b>14</b>       | <b>14</b>            | <b>0</b>            | <b>0</b>              | <b>0</b>             | <b>0</b>               | <b>0</b>            | <b>14</b>       | <b>9%</b>  |
| 8.1.1                   |             | 2                                       |                                                                  | 2               |                      | 2                   |                       |                      |                        |                     | 2               | 1,3        |
| 8.1.2                   |             |                                         | 2                                                                | 2               |                      | 2                   |                       |                      |                        |                     | 2               | 1,3        |
| 8.1.3                   |             |                                         | 2                                                                | 2               |                      | 2                   |                       |                      |                        |                     | 2               | 1,3        |
| 8.2.1                   |             | 2                                       |                                                                  | 2               |                      | 2                   |                       |                      |                        |                     | 2               | 1,3        |
| 8.2.2                   | 1           |                                         |                                                                  | 1               |                      | 1                   |                       |                      |                        |                     | 1               | 0,7        |
| 8.2.3                   |             | 1                                       |                                                                  | 1               |                      | 1                   |                       |                      |                        |                     | 1               | 0,7        |
| 8.2.4                   | 2           |                                         |                                                                  | 2               |                      | 2                   |                       |                      |                        |                     | 2               | 1,3        |
| 8.2.5                   | 1           |                                         |                                                                  | 1               |                      | 1                   |                       |                      |                        |                     | 1               | 0,7        |
| 8.3.1                   | 1           |                                         |                                                                  | 1               |                      | 1                   |                       |                      |                        |                     | 1               | 0,7        |

| Question                | Taxonomy    |                                         |                                                                  |                 | Content Areas        |                     |                       |                      |                        |                     |                 | % of Paper |
|-------------------------|-------------|-----------------------------------------|------------------------------------------------------------------|-----------------|----------------------|---------------------|-----------------------|----------------------|------------------------|---------------------|-----------------|------------|
|                         | Lower Order | Middle Order                            | Higher Order                                                     |                 |                      |                     |                       |                      |                        |                     |                 |            |
|                         | Knowledge   | Applying Knowledge in Familiar Contexts | Reasoning & Reflecting Applying Knowledge in Unfamiliar Contexts | Question Totals | Solution Development | System Technologies | Internet Technologies | Network Technologies | Information Management | Social Implications | Question Totals |            |
| 8.3.2 (a)               | 2           |                                         |                                                                  | 2               |                      | 2                   |                       |                      |                        |                     | 2               | 1,3        |
| 8.3.2 (b)               |             |                                         | 2                                                                | 2               |                      | 2                   |                       |                      |                        |                     | 2               | 1,3        |
| 8.3.3                   |             | 1                                       | 1                                                                | 2               |                      | 2                   |                       |                      |                        |                     | 2               | 1,3        |
| 8.4.1                   | 1           | 1                                       |                                                                  | 2               |                      | 2                   |                       |                      |                        |                     | 2               | 1,3        |
| 8.4.2                   |             | 2                                       |                                                                  | 2               |                      | 2                   |                       |                      |                        |                     | 2               | 1,3        |
| 8.5                     |             | 2                                       |                                                                  | 2               |                      | 2                   |                       |                      |                        |                     | 2               | 1,3        |
| <b>Total Question 8</b> | <b>8</b>    | <b>11</b>                               | <b>7</b>                                                         | <b>26</b>       | <b>0</b>             | <b>26</b>           | <b>0</b>              | <b>0</b>             | <b>0</b>               | <b>0</b>            | <b>26</b>       | 17%        |
| 9.1.1                   | 1           |                                         |                                                                  | 1               |                      |                     |                       |                      | 1                      |                     | 1               | 0,7        |
| 9.1.2                   |             | 1                                       |                                                                  | 1               |                      |                     |                       |                      | 1                      |                     | 1               | 0,7        |
| 9.1.3                   |             | 3                                       |                                                                  | 3               |                      |                     |                       |                      | 3                      |                     | 3               | 2          |
| 9.1.4                   | 2           |                                         |                                                                  | 2               |                      | 2                   |                       |                      |                        |                     | 2               | 2          |
| 9.2.1                   | 1           |                                         |                                                                  | 1               | 1                    |                     |                       |                      |                        |                     | 1               | 0,7        |
| 9.2.2                   |             |                                         | 2                                                                | 2               | 2                    |                     |                       |                      |                        |                     | 2               | 1,3        |
| 9.2.3                   |             |                                         | 3                                                                | 3               | 3                    |                     |                       |                      |                        |                     | 3               | 2          |
| 9.3.1                   | 1           |                                         |                                                                  | 1               | 1                    |                     |                       |                      |                        |                     | 1               | 0,7        |
| 9.3.2                   |             |                                         | 1                                                                | 1               | 1                    |                     |                       |                      |                        |                     | 1               | 0,7        |
| 9.3.3                   |             | 2                                       |                                                                  | 2               | 2                    |                     |                       |                      |                        |                     | 2               | 1,3        |
| 9.4.1                   | 1           |                                         |                                                                  | 1               |                      | 1                   |                       |                      |                        |                     | 1               | 0,7        |
| 9.4.2                   |             |                                         | 3                                                                | 3               |                      | 3                   |                       |                      |                        |                     | 3               | 2          |
| 9.5.1                   | 1           |                                         |                                                                  | 1               | 1                    |                     |                       |                      |                        |                     | 1               | 0,7        |

| Question    | Taxonomy    |                                         |                                                                     |                 | Content Areas        |                     |                       |                      |                        |                     |                 | % of Paper |
|-------------|-------------|-----------------------------------------|---------------------------------------------------------------------|-----------------|----------------------|---------------------|-----------------------|----------------------|------------------------|---------------------|-----------------|------------|
|             | Lower Order | Middle Order                            | Higher Order                                                        |                 |                      |                     |                       |                      |                        |                     |                 |            |
|             | Knowledge   | Applying Knowledge in Familiar Contexts | Reasoning & Reflecting in Applying Knowledge in Unfamiliar Contexts | Question Totals | Solution Development | System Technologies | Internet Technologies | Network Technologies | Information Management | Social Implications | Question Totals |            |
| 9.5.2       | 2           |                                         |                                                                     | 2               |                      |                     |                       |                      |                        | 2                   | 2               | 1,3        |
| Question 9  | 9           | 6                                       | 9                                                                   | 24              | 11                   | 6                   | 0                     | 0                    | 5                      | 2                   | 24              | 16%        |
| TOTAL       | 48          | 59                                      | 43                                                                  | 150             | 31                   | 59                  | 13                    | 15                   | 15                     | 17                  | 150             |            |
| PERCENTAGES | 32,0%       | 39,3%                                   | 28,7%                                                               | 100%            | 20,7%                | 39,3%               | 8,7%                  | 10,0%                | 10,0%                  | 11,3%               | 100%            |            |

|                         |    | Should be | Actual | Difference |
|-------------------------|----|-----------|--------|------------|
| Understanding Knowledge | LO | 30%       | 32,0%  | -2%        |
| Applying Knowledge      | MO | 40%       | 39,3%  | 1%         |
| Reasoning & Reflecting  | HO | 30%       | 28,7%  | 1%         |
| TOTAL                   |    | 100%      | 100%   |            |

150

0

150

|                        |      |       |     |
|------------------------|------|-------|-----|
| Solution Development   | 20%  | 20,7% | 1%  |
| System Technologies    | 40%  | 39,3% | -1% |
| Internet Technologies  | 10%  | 8,7%  | -1% |
| Network Technologies   | 10%  | 10,0% | 0%  |
| Information Management | 10%  | 10,0% | 0%  |
| Social Implications    | 10%  | 11,3% | 1%  |
| TOTAL                  | 100% | 100%  |     |