TLT-2656, Special course on networking, exam questions

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No calculators allowed

1. Embedded Networks:
a.   List factors that in your opinion support need for new standardized embedded network architecture for mobile devices?
b.   What were the main requirement to the target standard (separately list architectural, protocol and electrical requirements and additional requirements emerged on their overlap)?

2. Great Industrial Convergence:
a.   What is the great convergence and what industries are affected by this process? What are key drivers that shaping the future industry?
b.   Write which two factors are the main differentiators of modern mobile solution and list a few examples of research questions for each of the factors?

3. Describe the key benefits the ubiquitous computing vision provides for service development.

4. Explain the essence of the Semantic Web Stack proposed by W3C

5. Compare clouds and smart spaces. What are pros and cons of these computing concepts?

6. What are main components of the infrastructure that Smart-M3 platform provides for smart spaces applications?