

# Exam Sheet-T-110.5150

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The total amount of the score is 30 points. You need to get no less than 10 points to pass the exam. Here is the mapping of scores to the grade:

0-9.5 points: fail

10-13.5 points: 1

14-17.5 points: 2

18-21.5 points: 3

22-25.5 points: 4

26-30 points: 5

1. Describe the history of the Internet concisely, and explain the future of the Internet from your own perspective? (4 points)
2. Give taxonomy of peer-to-peer (P2P) networks, compare the advantages and disadvantages of each category; and then describe the strengths and weaknesses of P2P networks as a whole (from both technical and non-technical perspectives). (4 points)
3. What is the functionality of Session Initiation Protocol (SIP), and P2PSIP? What is the future of real-time Web from your point of view? (4 points)
4. Describe the evolution path of HTML family and compare the functions of each generation of HTML. What could be added or improved in HTML5 from your perspective? (4 points)
5. Compare the mainstream mobile Operating Systems (OS), including Android, iPhone OS, Windows Phone 7, Blackberry OS, from both technical and non-technical perspectives. (4 points)
6. Compare cloud computing platforms and traditional data centers, including similarities and differences. Analyze the application scenarios for each type of the cloud services, Infrastructure-as-a-Service (IaaS), Platform-as-a-Service (PaaS), and Software-as-a-Service (SaaS). (4 points)
7. Design a platform which includes the technologies you have learnt from this course (T-110.5150), for instance, cloud technology, P2P networks, mobile OS. (6 points)

Note:

- If you use some texts from the Internet or elsewhere, please add a reference to it.
- Plagiarism is strictly forbidden.
- Your own ideas about the technology are highly appreciated.
- Answer the questions in a concise way.
- Submit your answer sheet to SVN (in PDF version).