

Detail Explanation of IT Passport Examination

- Typical Examinees
 - Individuals who have basic knowledge of information technology that all working people should commonly possess, and who perform information technology related tasks, or are trying to utilize information technology in his/her tasks in charge.
- Tasks and Roles
 - Individuals that have acquired common basic knowledge of information technology that a working person should possess, and who utilize information technology in their tasks as well as performing the following activities:
 - Understand information devices and systems to use, and utilize them.
 - Understand the tasks in charge, identifies problems of those tasks, and act to provide required solutions.
 - Perform acquisition and utilization of information safely.
 - Support task analysis and systemization activities under the guidance of superiors.
- Expected Technology Level
 - The following basic knowledge shall be required as a working person in order to determine information devices and systems, and to perform tasks in charge as well as facilitate systemization.
 - Knowledge of computer systems and networks to determine the information devices and systems to use, and knowledge of how to utilize office tools.
 - Knowledge of corporate activity and related tasks in order to understand the tasks in charge. Also, in order to identify issues of the tasks in charge and provide required solutions, systematic thinking and logical thinking as well as knowledge of problem analysis and problem solving methodologies shall be required.
 - Ability to act in accordance with relevant laws and regulations as well as various information security provisions in order to utilize information safely.
 - Knowledge of development and operations of information systems in order to support analysis and systemization of tasks.
- Exam Duration
 - 165minutes
- Exam Type
 - Multiple-choice (1 out of 4 choices)
 - Short question type (1 exam question will contain 1 question)
 - Medium question type (1 exam question will contain 4 questions. The questions will examine knowledge and understanding from several viewpoints with regard to a single situational setting).
- Number of Questions
 - 100 questions, answers required for all questions

- Short question type: 88 questions
 - Medium question type: 12 questions (3 exam questions consisting of 4 sub-questions each)
- Number of Questions per Field
 - Questions will be asked according to the following ratio with regard to the 3 fields comprising the scope of questions:
 - Strategy field: about 35%
 - Management field: about 25%
 - Technology field: about 40%
- Point Allocation
 - 1,000 total points
- Grading Method
 - According to raw points (points are allocated for each question, and allocated points for correct answers are totaled)
- Pass criteria
 - A pass is granted when both (1) and (2) below are satisfied:
 - Total points (totaled from each field): more than 60% of maximum points
 - Points in each field: more than 30% of the maximum points in each of the 3 fields.
- Strategy questions
 - The examinee will be tested on his/her knowledge of fundamental terminology and concepts, etc. required for analysis related to computerization and corporate activities, the content of the high school information technology course, and fundamental terminology and concepts, etc. used in commonly read newspapers, books, and magazines, etc. There will also be questions concerning methods for grasping and analyzing familiar tasks, and resolving issues, as well as basic knowledge for utilizing office tools for data analysis and problem solving.
- Management questions
 - The examinee will be tested on his/her knowledge of fundamental terminology and concepts, etc. related to system development and project management processes, but not on specific terminology and concepts, etc. that require a high degree of expertise. There will also be questions that test basic knowledge required to consider improving the task environment using computers, networks, office tools, etc.
- Technology questions
 - The examinee will be tested on his/her knowledge of fundamental terminology and concepts, etc. as well as on logical thinking, but not on fields that would require a high degree of technological expertise. Furthermore, there will be questions of fundamental knowledge on the safe use of familiar systems.

a) Information Technology Passport Examination (Level 1)

Field	Major Category	Middle Category	AD (Morning)	IT Passport Examination
S t r a t e g y	1 Corporate & Legal Affairs	1 Corporate Activities	<input type="checkbox"/>	<input type="checkbox"/>
		2 Legal Affairs		
	2 Business Strategy	3 Business Strategy Management	<input type="checkbox"/>	<input type="checkbox"/>
		4 Technical Strategy Management		
		5 Business Strategy Management		
	3 System Strategy	6 System Strategy	<input type="checkbox"/>	<input type="checkbox"/>
		7 System Planning		
M a n a g e m e n t	4 Development Techniques	8 System Development Techniques	<input type="checkbox"/>	<input type="checkbox"/>
		9 Software Development Management Techniques		
	5 Project Management	10 Project Management	<input type="checkbox"/>	<input type="checkbox"/>
	6 Service Management	11 Service Management	<input type="checkbox"/>	<input type="checkbox"/>
		12 System Audit		
	T e c h n o l o g y	7 Basic Theory	13 Basic Theory	X
14 Algorithms & Programming				
8 Computer Systems		15 Computer Components	<input type="checkbox"/>	<input type="checkbox"/>
		16 System Components		
		17 Software		
		18 Hardware		
9 Technical Elements		19 Human Interfaces	<input type="checkbox"/>	<input type="checkbox"/>
		20 Multimedia		
		21 Databases		
		22 Networks		
		23 Security		

80 compulsory questions 100 compulsory questions

AD: Systems Administrator Examination

Detail Explanation of Fundamental Information Technology Engineer Examination

- Typical Examinee
 - Individuals who have basic fundamental knowledge and skills required to be an advanced IT human resource, and who possess practical utilization abilities.
- Tasks and Roles
 - Individuals engaged in the planning of basic strategy or in the implementation of IT solutions, products or services, and who perform either of the following activities under the guidance of superiors.
 - Participate in strategic planning that utilizes information technology in response to issues that a consumer (company management, social system) faces.
 - Build a highly reliable and productive system through design and development of systems, or through optimally combining

(integrating) generic products. Also, contribute to the realization of stable operational services of systems.

- Expected Technology Level
 - With regard to strategic planning utilizing information technology, the following knowledge and skills will be required, depending on the tasks in charge.
 - Understanding of the basics of target business fields and tasks and capability to utilize this understanding in his/her tasks in charge.
 - Capability to perform projection, analysis and evaluation of information strategies under the guidance of superiors.
 - Capability to participate in making proposals under the guidance of superiors
- Expected Technology Level
 - With regard to design, development and operation of systems, the following knowledge and skills will be required depending on the tasks in charge.
 - Understanding of the basics of information technology in general and capability to utilize this understanding in his/her tasks in charge.
 - Capability to design, develop and operate systems under the guidance of superiors.
 - Capability to design software under the guidance of superiors.
 - Understanding of policies of superiors and ability to develop software on his/her own.
- The morning session will cover the same fields as the current Fundamental Information Technology Engineer Examination. The afternoon session will cover the same technology fields as the current Fundamental Information Technology Engineer Examination, while incorporating management and strategy fields, questions shall be spread evenly across a broad range of fields.
- The level of the examination will be roughly equivalent to that of the current Fundamental Information Technology Engineer Examination
- The proportion of software development (programming) questions will be reduced in comparison to the current Fundamental Information Technology Engineer Examination, with the number of questions now 1 instead of 2.
- while the current examination targets solution providers and allows the examinee to select from four programming languages (C, COBOL, Java, and assembly), the new examination will expand the target to include basic strategists and user-side human resources that may not require programming skills, and will hence be revised to add questions that would test logical thinking skills using spreadsheets as a subject, so that examinees will be able to select questions unrelated to programming languages.