FE Morning Exam questions in April 2013

Q	Category	Theme	Correct Answer
1	1.1.1	Hexadecimal subtraction	b
2	1.1.1	Binary representation	a
3	1.1.2	Normal distribution (95% confidence interval)	b
4	1.1.2	Workload estimation	c
5	1.1.3	Acceptable string in state transition diagram	c
6	1.1.3	Logical operations	d
7	1.2.1	Min-heap (Insert)	b
8	1.2.1	Insertion into a singly-linked list	d
9	1.2.2	Binary search tree (In-order traversal)	c
10	1.2.2	Algorithm (Selection sort)	c
Q	Category	Theme	Correct Answer
11	2.3.1	Role of program counter	d
12	2.3.2	Calculation of MIPS	d
13	2.3.2	Calculation of the amount of digital video data	d
14	2.3.2	Memory access time	b
15	2.3.5	Number of cylinders that the disk head moves over	b
16	2.4.1	Explanation of cloud computing	d
17	2.4.1	Essential to fault tolerant system	c
18	2.4.1	Example of fail-soft design	a
19	2.4.1	Description about MTBF and MTTR	b
20	2.5.1	State transition of tasks	c
21	2.5.1	Memory pool management in comparison between variable-length and fixed-length methods	c
22	2.5.1	Time for printing of 4 jobs	c
23	2.5.1	Decrease of processor usage rate (thrashing)	d
24	2.5.4	Language processor (Interpreter)	d
25	2.5.4	Tracer	d
26	2.6.1	Explanation of DRAM	b
27	2.6.1	Full adder	c

28	2.6.1	Logic circuit	d
Q	Category	Theme	Correct Answer
29	3.08.1	Data volume of digitized sound signal by PCM method	c
30	3.08.2	Explanation of polygon	a
31	3.09.2	Cardinality of association	c
32	3.09.3	SQL (Combining SELECTs by using UNION)	b
33	3.09.4	Flow of execution of SQL statements	c
34	3.09.4	Journal file	b
35	3.09.4	Description on exclusive control of DBMS	a
36	3.10.2	Optical signal bandwidth	b
37	3.10.2	Description about interconnection device between LANs	c
38	3.10.2	Presentation layer of OSI model	c
39	3.10.3	IP address with netmask	c
40	3.10.3	Explanation of POP3	d
41	3.11.1	Exchange key pair	c
42	3.11.1	What is secured by comparison of hash values	b
43	3.11.4	Security measure on sending e-mail	b
44	3.11.4	Purpose of using WAF	a
45	3.11.4	Security measure against spamming	c
Q	Category	Theme	Correct Answer
46	4.12.03	Description of use case diagram	d
47	4.12.03	Class diagram	a
48	4.12.04	State machine diagram	b
49	4.12.04	Object-oriented concept (base class and subclass)	d
50	4.12.05	Stab in combination test	d
51	4.13.03	Interpretation of E-R diagram when notation of data model is given	a
52	4.13.1	Software development process model (Spiral model)	c
53	4.13.4	Description concerning maintenance and management of a development environment	c
Q	Category	Theme	Correct Answer
54	5.14.3	Critical path in arrow diagram	c

55	5.14.4	Calculation of function point value	a
56	5.14.5	Quality control tool (Pareto chart)	c
57	5.14.5	Control indicator of software quality in system development project	b
Q	Category	Theme	Correct Answer
58	6.15.1	Problem management	d
59	6.15.1	Management process of IT service management (Service level)	d
60	6.15.1	Access control method of multiple business application systems	c
61	6.16.1	Audit finding of programming reliability	c
62	6.16.1	Materials to submit during system audit	a
63	6.16.1	Audit evidence	d
Q	Category	Theme	Correct Answer
64	7.17.1	Object item to be consistent with IT strategy planning	a
65	7.17.1	Indicator of improvement in SCM	c
66	7.17.3	Service provided by ASPs	d
67	7.18.3	Sequence of IT system procurement	c
Q	Category	Theme	Correct Answer
68	8.19.1	Explanation of core competence management	d
69	8.19.1	Product life cycle (Maturity stage)	d
70	8.19.1	SWOT analysis	c
71	8.19.1	Acquisition	a
72	8.19.1	PPM	c
73	8.19.2	Direct telemarketing	a
74	8.21.3	Applicable case of RFID	a
Q	Category	Theme	Correct Answer
75	9.22.1	IR (Investor Relations)	d
76	9.22.1	Explanation of CIO	b
77	9.22.2	Finding useful information or relationship from huge amount of data (data mining)	c
78	9.22.2	Delphi method	b
79	9.22.3	Periodic average method	b
80	9.22.3	Analysis of break-even point of 2 companies	c