

# ITPEC 24th FE Morning Exam, October 2017

As of 2017-09-27, based on the agreement on 2017-06-16

Q	Category	Theme	Correct Answer
1	1.1.1	Radix Conversion	a
2	1.1.2	Probability theory (Toss of two coins and a die)	b
3	1.1.3	Infix/postfix conversion	d
4	1.1.5	Sampling interval by the PCM method	c
5	1.2.1	Flowchart and array	d
6	1.2.2	Bubble sort algorithm	c
7	1.2.1	Combination of values of two nodes in a binary tree	a
8	1.2.2	Bayes Rule (2-green and 3-red balls)	a

Q	Category	Theme	Correct Answer
9	2.3.1	Symmetrical multiprocessing	c
10	2.3.1	Processor (Absolute addressing)	a
11	2.3.2	Types and characteristics of memories (Mask ROM)	c
12	2.3.4	Role of a device driver	b
13	2.4.1	RAID Recovery – (Mirrored)	b
14	2.4.2	Availability of a system composed of two processing devices	c
15	2.4.1	Characteristics of three-layer C/S web system	a
16	2.5.1	CPU scheduling algorithms	c
17	2.5.1	Function of a buffer in I/O management	d
18	2.5.3	Full backup	b
19	2.5.1	Pipe in UNIX (Term)	c

20	2.5.4	Explanation of optimization in a compiler	a
21	2.6.1	Logic gates	d
22	2.6.1	Logic gates (Logical operation)	c
23	2.6.1	Flip-flop circuit in a memory cell (SRAM)	d

Q	Category	Theme	Correct Answer
24	3.07.2	Standard for visual representation of HTML (CSS)	b
25	3.09.1	Function to decide schema	a
26	3.09.2	Normalization of attribute in order records	d
27	3.09.1	Mapping between the relational model and relational DB	b
28	3.09.4	Indexing method (Hash index)	c
29	3.09.4	Deadlock (Rollback)	c
30	3.10.2	Third layer in OSI basic reference model	b
31	3.10.3	Protocol for auto-configuration of IP addresses	a
32	3.10.3	Feature added in IPv6	a
33	3.10.2	Information to identify a TCP connection	b
34	3.10.3	Clock synchronization of PC and NTP server	b
35	3.11.1	Technical security measures (Virus)	b
36	3.11.1	Zero-day attack	d
37	3.11.1	Buffer overflow attack	a
38	3.11.1	Prevention of information leakage	b
39	3.11.1	What can be determined by message digest	a
40	3.11.1	Brute force attack	b
41	3.11.1	Information Security (Same-Origin Policy)	d
42	3.11.4	Point to be considered for LAN analyzer	c
43	3.11.2	Information Security (SOC)	d

44	3.11.4	Firewall rule and action for packets	a
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Q	Category	Theme	Correct Answer
45	4.12.04	Software design technique (Polymorphism)	d
46	4.12.04	Activity to be performed in software architectural design	d
47	4.12.05	Stack trace in program debugging	a
48	4.12.06	Description about state transition test in system integration test	b
49	4.13.1	Program spec and design info from source code (reverse engineering)	d
50	4.13.1	Software implementation process in SLCP	b

Q	Category	Theme	Correct Answer
51	5.14.01	Executing process group in PMBOK	a
52	5.14.06	Time management (Lead)	a
53	5.14.06	Project time estimation (PERT)	d
54	5.14.08	Risk management (Risk mitigation)	c
55	5.14.07	Calculation of function point value	a
56	5.14.04	Purpose of using WBS	b

Q	Category	Theme	Correct Answer
57	6.15.5	Service management (SPD)	c
58	6.15.3	Precaution for system monitoring	b
59	6.15.4	Characteristic of virtual service desk	a
60	6.16.1	Check item for information security audit of availability	b

61	6.16.1	Appropriate judgement on BCP audit	b
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Q	Category	Theme	Correct Answer
62	7.17.1	Explanation of EA	b
63	7.17.1	Explanation of project organization	c
64	7.17.2	Purpose of BPM	c
65	7.17.1	Payout and profit of IT investment	d
66	7.17.2	Improvement proposal by weighted comprehensive evaluation	b
67	7.18.3	Description corresponding to CSR procurement	c
68	7.18.3	Step after RFP in procurement procedure	b

Q	Category	Theme	Correct Answer
69	8.19.2	Marketing management (Push strategy)	c
70	8.19.2	4P and 4C in marketing mix	d
71	8.19.2	Business strategy management (Prestige pricing)	d
72	8.20.1	Technology S curve	c
73	8.21.3	Example of CGM	d
74	8.19.2	Price setting by cost plus method	b
75	8.21.2	Number of components to order	c

Q	Category	Theme	Correct Answer
76	9.22.1	Corporate governance (Term)	b
77	9.22.3	Financial statements (Balance sheet)	b
78	9.22.3	Mechanism of closing account	a

79	9.22.1	Role of CIO	b
80	9.22.2	OC curve	b