

SECOND YEAR HIGHER SECONDARY EXAMINATION MARCH 2018

SUBJECT: Computer Information Technology CODE. NO: 9014


Qn No	Sub Qns	Answer Key/Value Points	Score	Total
1		Cache memory	1	1
2		Switching/switched mode power supply	1	1
3		8 Bytes	1	1
4		Data Encapsulation	1	1
5		Constructor		
<u>PART B (6 to 18)</u>				
6		<u>Input</u> : - OMR, Trackball, mouse (4x1/2) <u>output</u> : - Plotter	1	2
7		DRAM Reason	1	2
8		word length - definition clock speed - definition	1	2
9	a)	Register - Definition	1	2
	b) i)	- PC - 1/2		
	ii)	- IR - 1/2		
10		opcode - MOVE, ADD, LDA, CLR	1	
		operand - A, B, 2400, R1	1	2


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11	a)	Print odd nos from 1 to 15 [Syntax error / correct output] Partial output - $\frac{1}{2}$	1	0
	b)	break - $\frac{1}{2}$ continue - $\frac{1}{2}$	1	2
12	a)	Polymorphism - definition	1	
	b)	Function overloading - $\frac{1}{2}$ operator overloading - $\frac{1}{2}$	1	2
13	a)	Inheritance	1	
	b)	i) Single inheritance - $\frac{1}{2}$ ii) multiple inheritance - $\frac{1}{2}$	1	2
14	a)	Destructor	1	
	b)	Yes - $\frac{1}{2}$, No arguments - $\frac{1}{2}$	1	2
15		Any two visibility modes (private, public, protected)	(1x2)	2

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16	a) i) multi level inheritance - $\frac{1}{2}$ ii) multiple inheritance - $\frac{1}{2}$ b) Base classes: A, B, A1, B1 - ($\frac{1}{4}$ for each)		1 1	2
17	a) Seeleg() - $\frac{1}{2}$ mark tellg() - $\frac{1}{2}$ mark b) i) to place the get pointer at the end of the link - $\frac{1}{2}$ ii) to place get pointer 1 byte backward from the current position - $\frac{1}{2}$		1 1	2
18	a) Relation - Definition b) tuple - $\frac{1}{2}$, Attribute - $\frac{1}{2}$ <u>PART C (19 to 27)</u>		1 1	2
19	a) RAM b) SRAM, DRAM Explanation		1 2	3
20	a) Size, light weight, less energy etc (Any 2 valid points)		1	

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20	b	weight, power consumption, size technology (Any two differences)	2	3
21		ALU - 1 1/2 marks, CU - 1 1/2 marks	3	3
22		For each specification 1 mark	1x3	3
23	a)	Any Four Relational operators	2	
	b)	++, *, !=, ?:	1	3
24	a)	constructor - definition	1	
	b)	default, parameterized, copy : (Any two)	2	3
25		Function body - 1 mark Return value - 1/2 mark	(1/2 x 2)	3
26		public inheritance - 1/2 protected inheritance - 1/2	(1/2 x 2)	3
27	a)	DBMS - definition / Expansion	1	
	b)	Any Four advantages	2	3

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<u>PART - D (28 to 32)</u>				
28	a)	capacity, small size, portable, life (Any two valid points)	2	4
	b)	MICR, OCR	2	
29	a)	non-volatile, Read only, Random access (Any two valid points)	2	4
	b)	PROM, EPROM, EEPROM/EEPROM Flash memory (Any two)	2	
30	a)	class definition	3	4
	b)	main program	1	
31		class declaration - 2	2	4
		operator function - 1	1	
		main program - 1	1	
		(without overloading concept) - 1/2 only	1/2	
32	a)	fstream.h	1	4
	b)	ofstream, ifstream, fstream (1x3)	3	


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