

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 (4x 1/2) <u>output</u> : — Plotter		1	2
7	DRAM Reason		1	2
8	word length — definition clock speed — definition		1	2
9	a) Register — Definition b) i) — PC — 1/2 ii) — IR — 1/2		1	2
10	opcode — move, ADD, LDA, CLR operand — A, B, 2400, R1		1	2

Qn. No	Sub Qns	Answer Key/Value Points	Score	Total
11	a)	Print odd nos from 1 to 15 [Syntax error / correct output] Partial output - $\frac{1}{2}$	1	1
	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

3/5

Qn. No	Sub Qns	Answer Key/Value Points	Score	Total
16	a) i) multi level inheritance - $\frac{1}{2}$ ii) multiple inheritance - $\frac{1}{2}$ b) Base classes :- A, B, A', B' - ($\frac{1}{4}$ for each)	1 1	2	
17	a) seekg() - $\frac{1}{2}$ mark tellg() - $\frac{1}{2}$ mark b) i) to place the get pointer at the end of the file - $\frac{1}{2}$ 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		

Qn. No	Sub Qns	Answer Key/Value Points	Score	Total
20	b	weight, power consumption, size technology (Any two differences)	2	3
21		ALU - $1\frac{1}{2}$ mark, CU - $1\frac{1}{2}$ marks	3	3
22		For each specification 1 mark	1×3	3
23	a)	Any Four Relational operators	2	3
	b)	++, *, !=, ?:	1	
24	a)	Constructor - definition	1	3
	b)	default, parameterized, copy : (Any two)	2	
25		Function body - 1 mark Return value - $\frac{1}{2}$ mark	$(1\frac{1}{2} \times 2)$	3
26		public inheritance - $1\frac{1}{2}$ protected inheritance - $1\frac{1}{2}$	$(1\frac{1}{2} \times 2)$	3
27	a)	DBMS - definition / Expansion	1	3
	b)	Any Four advantages	2	

5/5

Qn. No	Sub Qns	Answer Key/Value Points	Score	Total
		<u>PART - D (28 to 32)</u>		
28	a a)	capacity, small size, portable, life (Any two valid points)	2	
	b)	MICR, OCR	2	4
29	a)	non-volatile, Read only, Random access (Any two valid points)	2	
	b)	PROM, EPROM, EEPROM/Flash memory (Any two)	2	4
30	a)	class definition	3	
	b)	main program	1	4
31		class declaration - 2	2	
		operator function - 1	1	
		main program - 1	1	4
		(without overloading concept) - 1/2 only		
32	a)	fstream.h	1	
	b)	ofstream, ifstream, fstream (1x3)		4


 JYOTHI. E
 THSS, Thiruvithiyad
 Kozhikode
 9045153729


 Benoj Paul
 THSS, Muthom
 Thodupuzha
 9447599167