


ANSWER KEYFIRST YEAR HIGHER SECONDARY EXAMINATION ~~MARCH~~ JUNE 2022

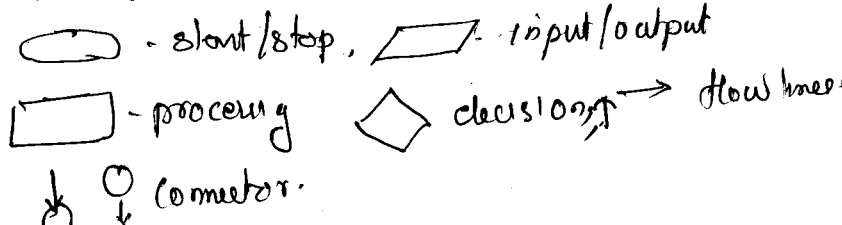

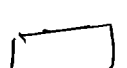



PART-I/II/III

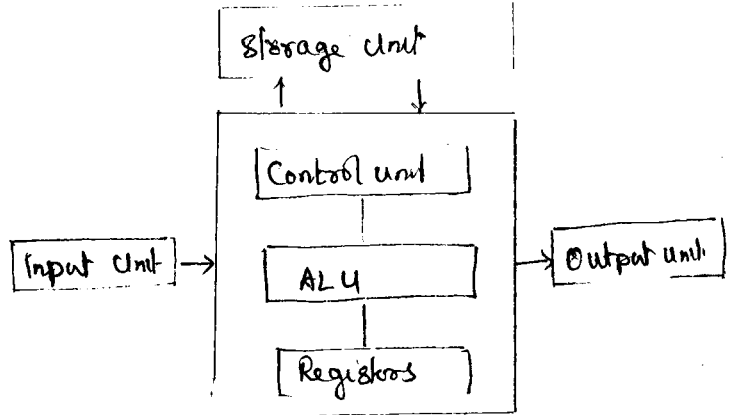
SUBJECT: COMPUTER SCIENCE AND INFORMATION TECHNOLOGYCODE NO: FY 52VERSION: A60 SCORES2 HOURS

Qn. No	Sub Qns	Answer Key/Value Points	Score	Total Score
		<u>PART A</u>		
1)		(c) facebook.		1
2)		(c) Optical fibre cable.		1
3)		(b) getchar()		1
4)		(b) Identifier		1
5)		(b) RAM		1
6)		(a) BMP		1
		<u>PART B</u>		
7		The amount of data can be sent over a specific connection in a given amount of time.		2
8.		Function prototype - declaration of a function. Syntax: return type functionName(argument)		2
9.		When a function is called by itself is called recursive function.		2
10		Array - collection of elements of same data type		2.

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11.		When a break statement encountered, the program control goes to the statement following the switch statement.		2
12.		Combination of operators, constants and variables. - Arithmetic expression (integer & real) - Relational expression - Logical expression.		2
13.		$x = 5$ assignment operator $x = 5$ relational operator.	1 1	2
14.		2 - integer literal '2' - character literal 2.0 - floating point literals "2" - string literals.	$\frac{1}{2} \times 4$	2.
15.		my_file, iohle. It satisfies all naming-rules of identifiers	1 1	2
16.		step 1 - start step 2 - read a, b, c step 3 - $D = (a + b + c) / 3$ step 4 - print D step 5 - stop.		2
17.		(a) Language processors - compiler (b) proprietary software - windows 8 (c) Open source software - Linux (d) Application software - Ms-Word.	$\frac{1}{2} \times 4$	2

Qn. No	Sub Qns	Answer Key/Value Points	Score	Total Score
18.)				2
19.)	(a)	$(1111000)_2$	1	
	(b)	$(13)_{10}$	1	2
20		(a) Transistor - Second Generation (b) Vacuum Tubes - First Generation (c) Microprocessor - Fourth Generation (d) IC - Third Generation	$\frac{1}{2} \times 4$	2
21.		Introduced by Charles Babbage. units - I/O unit, mill, store, control unit.		2
		Part - C.		
22.		Short Message Service (SMS), Multi media Messaging Service (MMS), Global Positioning System (GPS), Smart card (any three)	1×3	3
23.		Resource sharing, Reliability, price per performance ratio, scalable.	1×3	3
24.		<pre> strlen() int variable = strlen(string); strcpy() strcpy(string1, string2); strcat() strcat(string1, string2); strncpy() strncpy(string1, string2); </pre>		

Qn. No	Sub Qns	Answer Key/Value Points	Score	Total Score								
25)		<pre>strcpy() strcpy (string1, string2); strlen () strlen (string) getchar () is a character function. gets () is a string function. header file is <stdio.h> / <stdlib.h></pre>	1 x 3	3								
26)		<pre>logic proper data type</pre>	2	3								
27)		<pre>if (mark > 30) { result = 'P'; } else { result = 'F'; }</pre>	1	3								
28)		<pre>if (mark > 30) { result = 'P'; } else { result = 'F'; }</pre> <p>  - start/stop,  - input/output  - processing  - decision,  - flow line.  - connector. </p>	3	3								
29)		<table border="0" style="width: 100%;"> <tr> <td style="text-align: center;">RAM</td> <td style="text-align: center;">ROM</td> </tr> <tr> <td>1) Read-Write Memory</td> <td>Read only Memory.</td> </tr> <tr> <td>2) volatile</td> <td>non-volatile.</td> </tr> <tr> <td>3) faster than ROM.</td> <td>Slower memory.</td> </tr> </table>	RAM	ROM	1) Read-Write Memory	Read only Memory.	2) volatile	non-volatile.	3) faster than ROM.	Slower memory.	3	3
RAM	ROM											
1) Read-Write Memory	Read only Memory.											
2) volatile	non-volatile.											
3) faster than ROM.	Slower memory.											
30)		<p>Re-use, Incineration, Re-cycling of e-waste, Land filling (any three)</p>	3	3								
31)	(a)	<p>ASCII - American Standard Code for Information Interchange. It uses 8-bits for each character can represent 256 different characters.</p>	1/2	3								
	(b)	<p>Unicode - universal code. It uses 16 bits which can represent upto 65,536 characters. It provides a unique number for every character.</p>	1/2	3								

Qn. No	Sub Qns	Answer Key/Value Points	Score	Total Score
<u>PART - D</u>				
32)		Computer virus, worm, Trojan horse, spams, Hacking, phishing, Denial of Service (Dos) attack, Man-in-the-middle attack (any two)	2x2	4
33)		PAN, LAN, MAN, WAN	1x4	4
34)		structure of C++ program proper data type logic	1 1 2	4
35)		char, int, float, double, void (any four)		4
36.		 <p style="text-align: center;">CPU</p> <p style="text-align: right;">Block diagram Any 3 function units</p>	1 3	4
37		