

ANSWER KEY

CODE NO

SY552

SECOND YEAR HIGHER SECONDARY EXAMINATION MARCH 2023


PART II

SUBJECT : COMPUTER SCIENCE AND INFORMATION TECHNOLOGY

60 SCORES2 HOURS

Qn. No	Sub Qns	Answer Key/Value Points	Score	Total Score
PART A (Answer any five questions)				
1		c) Self referential structure	1	1
2		c) Private	1	1
3		d) 	1	1
4		b) Security	1	1
5		a) SELECT	1	1
6		b) Tuple	1	1
PART B (Any 11 questions)				
7		A variable that store the address of memory location	2	2
8		class – prototype/ blueprint of all objects of particular type	1	2
9		object – combining data and functions or instance(variable) of a class	1	
10		Showing essential features and hiding background details	2	2
11	a	Flow of data	1	
	b	ifstream, ofstream, fstream(any two)	½x2	
12		20&21,22,25,53,80,110, 443 (any four) services	½x4	2
13		Use of four essential tag	1	2
		Use of a line of text in <BODY> tag	1	
14	a	Degree – number of attributes/columns of a relation	1	2
	b	Cardinality – number of row/tuples of a relation	1	
15		Explanation of relational database including tables, relationships, rows and columns(any two valid points)	2	2
16		General form of CREATE TABLE command	2	2
17		E banking – banking services through electronic channel - explanation	2	2
		Protection of people from any illegal activities through internet	2	2

18	List any four features	½x4	2
19	Number, string, list,tuple, dictionary, set, boolean(any four explanation)	½x4	2
PART C (Answer any 7 questions)			
20	Any three difference	1+1+1	3
21	General form of class declaration	3	3
22	a Behave differently in different situations	1	
	b Function overloading and operator overloading		3
	or		
	Compile time polymorphism and run time polymorphism	2	
23	Javascript, VB script, PHP,ASP,JSP (Any two) - Explanation	1½x2	3
24	, <U>,<I>,<S>,<BIG>,<SMALL>,,,<SUB>,<SUP> (any six) - explanation	½x6	3
25	SELECT – select rows from a relation satisfying certain condition	1½	3
	PROJECT – select columns from a relations	1½	
26	Biometrics, robotics, computer vision, NLP,automatic speech recognition, OCR, Bio informatics, GIS(any three)	1+1+1	3
27	Any three cyber crime from individual, property and against government	1+1+1	3
28	Input -1, if statement- 1, output - 1	3	3
PART – D (Answer any 3 questions)			
29	Single, multiple, hierarchical, multi level and hybrid(any four) - explanation	1x4	4
30	include header file fstream	1	
	ifstream, ofstream objects	1	4
	loop using eof()	1	
	display contents	1	
31	Any four difference	1x4	4
32	DBA, Application programmer, Sophisticated user, Naive user - explanation	1+1+1+1	4
33	INT or INTEGER,DEC or DECIMAL, CHAR, VARCHAR, DATE, TIME (any four)- explanation	4	4

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