

FIRST YEAR HIGHER SECONDARY IMPROVEMENT EXAMINATION SEP/OCT - 2016

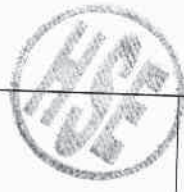
SCHEME OF VALUATION

SUB : COMPUTER SCIENCE

CODE : 419



Q. No.	Scoring Key	Split Score	Total Score
1.	b) Vacuum tube, a) Transistor, d) Microprocessor c) Artificial intelligence (if two are in order - 1/2 Score)	1	1
2.	c) PNG	1	1
3.	b) PC	1	1
4.	a) Syntax error	1	1
5.	b) Identifier	1	1
6.	d) goto	1	1
7.	Binary	1	1
8.	False	1	1
9.	b) GPS	1	1
10.	a) $(673.66)_8$ (correct grouping - 1/2 score)	1/2 + 1/2	1
	b) $(200.2)_8$ (division by 8 is shown - 1/2 score)	1/2 + 1/2	1
11.	Definition/Comparison of shareware and freeware	1 + 1	2
12.	a) valid / Invalid (since it is a Keyword)	1	1
	b) Invalid (dot is used)	1/2 + 1/2	1
13.	a) strcmpi() is not case sensitive strcmp() is case sensitive	1 + 1	2
OR			
	b) break statement terminate the execution of the loop / switch. Continue returns to the next iteration in the loop	1 + 1	2
14.	a) char name[30]; / char name[31]; (Partially correct - 1/2 Score)	1	1
	b) cin does not allows space / defined in 'iostream.h' or 'iostream' gets() allows space / defined in 'stdio.h' or 'cstdio'	1/2 + 1/2	1
15.	Processed before actual compilation Eg. #include, #define. (Any valid example)	1 + 1	2
16.	DoS - Denial of Service (1 score only) forces the server / computer to restart (Any valid explanation - 2 scores)	2	2
17.	Implementation of AND / OR / NOT gate with neat diagram using NAND gates - 3 Scores If expression only - 1 Score each (NAND gate diagram only - 1 Score)	3	3
18.	Electronic Waste / Any valid definition - 1 Score Role - 2 Scores	1 + 2	3
19.	1 score each for correct examples of a,b,c (Partially correct - 1/2 Score each)	1 + 1 + 1	3
20.	Structure - 1 Score Syntax - 1 Score Logic - 1 Score	1 + 1 + 1	3
OR			
	a) 15 / error / no output - 1 Score	1	1



	b) implementation using while loop - 2 Scores Syntax / usage of while loop only - 1 Score	2	2
21.	Definition of an array - 1 Score Correct program - 2 Scores Declaration of an array only - 1 Score Correct program structure - 1 Score	1 + 2	3
22.	Definition of recursive function - 2 Scores Ordinary function Example - 1 Score (Example of recursive function - 3 Scores)	2 + 1	3
23.	1 valid point / definition / example for a, b, c	1 + 1 + 1	3
24.	Definition - 1 Score Valid Steps / Explanation - 2 Scores	1 + 1 + 1	3
25.	a) 30 - 1 Score b) correct flowchart - 3 Scores Symbols only - 2 Scores	1 3	4
26.	Definition of Call by Value and Call by Reference - 1.5 + 1.5 = 3 Scores Example - 1 Score (Correct program examples of call by value and call by reference - 4 Scores)	3 + 1	4
OR			
	a) Program (Structure - 1 Score, Logic - 1 Score) or Algorithm - 2 Scores	2	4
	b) Bubble Sort steps - 2 Scores (Partially correct - 1 Score)	2	
27.	Definition of topology - 1 Score 1 Score each for brief description / diagram of each topology. Names only - 1/2 Score each.	1 + 4	5
	Total		60

1. Soman T.V. S.HSS Vazhathope, Idukki Soman
 2. Krishna Kumar N - NS HSS Nedumudy Alappuzha
 3. S.V.D.P. HSS, Udayampoor, Ernakulam Alf
 4. Roopesh V, AKASH Poudasseri R
 5. Shaju P.M. SMHSS Periyapuzha S
 6. ATAYANI S. NSS HSS, Perumna net
 7. Dill M.T. MASM HSS venmenad (D)
 8. SELVIN JOSYBALI S, BEM HSS, PALAKKAD SP
 9. ANIL KUMAR GS, ST. JOSEPH'S HSS TUPM epil
 10. Shaju Y, SMHSS Patheram Y
- 2/2