

**FIRST YEAR HIGHER SECONDARY IMPROVEMENT EXAMINATION
COMPUTER APPLICATIONS(COMMERCE)
SEPTEMBER 2016 Question paper code: 452
SCORING KEY AND EVALUATION SCHEME**



Quest. No.	Scoring Key	Split Score	Total Score
1.	a. Central Processing Unit	1	1
2.	d. Program Counter (PC)	1	1
3.	b. Detecting and Correcting Errors	1	1
4.	b. a	1	1
5.	False or 0 or Zero or NO or F	1	1
6.	c. $x+10=x$;	1	1
7.	BLUE	1	1
8.	b. Sender	1	1
9.	c. Star Topology	1	1
10.	b. Google	1	1
11.	c. E-mail will not spread any kind of virus.	1	1
12.	b. www.dhsekerala.gov.in	1	1
13.	Hexadecimal to binary/decimal Then to octal (Answer is $(5055)_8$) [If only $(5055)_8$ without steps, Give 1 score]	1 1	2
14.	Reuse, Recycle, Incineration and Land filling Or any 2 points with explanation	$\frac{1}{2} \times 4 = 2$ Or $1+1=2$	2
15.	Identifier/variable : age Operator/ assignment : = Literal /constant/integer literal: 10 Punctuator/separator: ;	$\frac{1}{2} \times 4 = 2$	2
16	$x=5$ (Assignment statement/operator) $x==5$ (Relational statement /operator/ checks equality or Comparison)	1 + 1	2
Or			
	a. 10 b. 3	1 1	
17.	$a=10$ (or simply 10) $a= 12$ (or simply 12) Or Error or no output	1 1 or 2	2
18.	if($n\%2==0$) cout<<"EVEN"; Else cout<<"ODD"; (Give 1 score for correct syntax)	1 1	2
19.	Listing of any four advantages of network	$\frac{1}{2} \times 4 = 2$	2
20.	Capturing data, Input of data, Storing the data, Processing the data, Output information, distribution. (Any 3 points with explanation can be given 3 scores.)	$\frac{1}{2} \times 6 = 3$ or 3	3
21.	Correct symbols of flow chart Meaning	$1\frac{1}{2}$ $1\frac{1}{2}$	3

22.	Correct algorithm/program (Correct flowchart can be given a maximum of 2 scores) (Correct loop-1 score)	3	3
Or			
	Different type of errors(Syntax errors, Logical errors, Run time errors) Explanations of each (any 2 listing with explanation can be given full score)	$\frac{1}{2} \times 3 = 1\frac{1}{2}$ $\frac{1}{2} \times 3 = 1\frac{1}{2}$ or $1\frac{1}{2} + 1\frac{1}{2} = 3$	
23.	Listing of three logical operators (&, , !) (consider logical AND, logical OR, logical NOT also) Explanation/example of each	$\frac{1}{2} \times 3 = 1\frac{1}{2}$ $\frac{1}{2} \times 3 = 1\frac{1}{2}$	3
24.	Correct explanation. Details about single line comments Multiline comments. Or single line comment with explanation or example multi line comment with explanation or example	1 1 1 or $1\frac{1}{2}$ $1\frac{1}{2}$	3
25.	Definition/explanation of the following terms: Node: Any device attached directly to the network Bandwidth: Amount of data or range of frequency Noise: Unwanted electrical/electronic signals	1 1 1.	3
26.	Listing of any three bad effects of using social media.	1 + 1 + 1	3
27.	Correct definition of e-Governance. Any four advantages. (any 2 advantage with explanation can be given 2 scores)	Definition – 1 $\frac{1}{2} \times 4 = 2$	3
28.	Valid explanation about utility software. Listing any four types of utility software. Use/example of these	Explanation– 1 $\frac{1}{2} \times 4 = 2$ $\frac{1}{2} \times 4 = 2$	5
29.	Initialisation and explanation Test expression and explanation Update statement and explanation Body of the loop and explanation Name of any loop. Correct example and proper explanation can be given full score (Only syntax of any loop $2\frac{1}{2}$ score)	$\frac{1}{2} + \frac{1}{2}$ $\frac{1}{2} + \frac{1}{2}$ $\frac{1}{2} + \frac{1}{2}$ $\frac{1}{2} + \frac{1}{2}$ 1 or 5	5
Or			
	Correct program #include<>.....main() { Variable declaration Input/output statement Use of loop + correct logic	5 or 1 1 1 1+1	

Total Score 60