## BE Semester-III (Civil) Question Bank

## (Computer Programming in Civil Engineering)

## All questions carry equal marks (10 marks)

<ul> <li>Q.2 Define flow chart and explain its necessity. Draw sketches used for drawing flow charts</li> <li>Q.3 Differentiate software and hardware. Classify both.</li> <li>Q.4 What is operationg system. What are functions of operating systems. Give names of at least five operating systems.</li> <li>Q.5 What is algorithm. Explain importance of algorithm.</li> <li>Q.6 Draw flow chart for finding factorial of given integer number with computer program</li> <li>Q.7 Write algorithm for finding solution of quadratic equation using computer program</li> <li>Q.8 Explain switch statement of c language, with suitable example.</li> <li>Q.9 Explain constants and variables and their types.</li> <li>Q.10 Explain rules to decide the name variables in c language.</li> <li>Q.11 Explain importance of comment statement and write syntax of it.</li> <li>Q.12 Differentiate syntax error, logical error and run time error.</li> <li>Q.13 Differentiate source program and executable program.</li> <li>Q.14 Explain the syntax of if-elseif-else ladder with suitable example.</li> <li>Differentiate continue and break statement.</li> <li>Q.15 Explain syntax of for statement with suitable example.</li> <li>Enlist the control transfer statements of c language. Classify them in entry control and exit control statement.</li> <li>Q.17 Define header files and their importance.</li> <li>Q.18 Write c program to calculate reduced levels of ground points for which we have sights, B.M., height of Instrument.</li> <li>Q.20 Write c program to calculate the discharge through pipe for given diametr of pipe and velocity of flow.</li> <li>Q.21 Write a c program to midtiply two matrix of 3 X 3.</li> <li>Q.23 Write a c program to find factorial of given integer number.</li> <li>Q.24 Write a c program to find factorial of given integer number.</li> <li>Q.25 Explain characteristics and functionality of spreadsheet.</li> <li>Q.26 What are different programs under office package.</li> <li>Q.27 Write c program to add two matrix of same dimensions.</li> <li>Q.28 Wri</li></ul>	Q.1	Draw neat sketch diagram of computer hardware rganisation.
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	and bottom width of channel.
Q.33	Describe various formats used for different types of variable and constants
	in input and output statements.
Q.34	Write a c program to compute the area of a circle.
Q.35	Write a c program compute value of C=A x B, using sub-program.
Q.36	What do you mean by the type casting. Explain with example of arithmetic
	equation.
Q.37	Explain the hierarchy of operation in an equation containing brackets,
	division, multiplications, addition and subtractions.
Q.38	Differentiate ROM and RAM
Q.39	Explain the units of measurement of memory and speed of the computer
Q.40	Explain the computer peripherals and their functions.