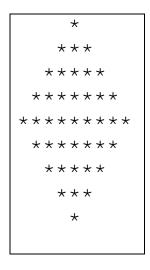
JECRC UNIVERSITY MCA II SEM COMPETITIVE CODING USING C++ ASSIGNMENT QUESTION

Q1.Write a C++ program to print following pattern

* *	**	* * :	* *	*
* *	**	* :	* *	*
* *	*	•	* *	*
* *			*	*
*				*
* *			*	*
**	*	•	* *	*
* *	**	*	* *	*
* *	**	* * :	* *	*

Q2.Write a C++ program to print following pattern



- Q3. Explain this pointer in C++
- Q4. Write a program that defines a class 'Time' that store time values as hours, min and sec respectively. Perform operation t3=t1+t2 on its object
- Q5. Write a program to overload unary pre and post increment

- Q6. Explain dynamic constructor. Write a program to initialize array using dynamic constructor
- Q7.Write a program to find area of Rectangle, circle and square using Function Overloading.
- Q8. What is Constructor and destructor? Explain various type of Constructor. Is it Mandatory to use Constructor in a class? Justify it.
- Q9.Describe Operator overloading. List the operators which cannot be overloaded. Create a class to perform matrix addition using operator overloading.
- Q10.What is Friend Function? Write a program to swap private data of two different class.
- Q11.Write a program that defines a class 'Money' that store time values as Rupee and Paisa respectively. Perform operation M3=M1+M2 on its object Q12. Write a C++ program to add two complex number by overloading binary
- Q13. What is static variable and static function?
- Q14.What is Inheritance? Explain various types of inheritance giving an example for each
- Q15.Explain multilevel Inheritance in detail with suitable C++ code
- Q16.Explain Virtual Base class with suitable C++ code
- Q17.Explain Virtual Function with suitable C++ code
- Q18Explain all the access specifiers with help of an example
- a).private
- b).protected

plus (+) operator.

- c).public
- Q19. Explain scope resolution operator with an example
- Q20. What is destructor? Explain it with help of a program
- Q21. Write a program to demonstrate the runtime polymorphism.

- Q22. Write a program to demonstrate the use of function template.
- Q23. Write a program to copy the contents of a file to another file
- Q24. Write a program to demonstrate the use of class template.
- Q25. Write a program to demonstrate the exception handling.