



- 11. if (totalPrice>15.00) then
- 12. discount = (staffDiscount \*totalPrice + 0.50)
- 13. else
- 14. discount = (staffDiscount\*totalPrice)
- 15. fi
- 16. print("Discount:" + discount)
- 17. finalPrice = totalPrice discount
- c. What is scaffolding? What are the components of scaffolding?

(10 Marks) (04 Marks)

## OR

- **6** a. Explain McCabe's basis path testing with Triangle problem.
  - b. Consider the following C function which encodes the string in the following manner. If the string character is + or or \*, it is replaced with space ' ', if it is an uppercase character, it is replaced with lowercase, other alphanumeric characters are simply copied into destination string. Draw the control flow graph for the program. Find out the statement converge and node converge % from control flow graph for the test suite
    - $To = \{$ "test", "test\*\*ing", "test + -" $\}$ .
      - i) const char \* encode (char \* str){
    - ii) int i = 0;
    - iii) char \*str1 = str ;
    - iv) char en\_str [25];
    - v) while (str1[i] ! = (0))
    - vi) if (str1[i] = = `\*`|| str1[i] = = `+` || str1[i] = = `-
    - vii) en\_str[i] = ' ';
    - viii) else if  $(str1[i] \ge 65 \& \& str1[i] <= 90)$ 
      - ix)  $en_str[i] = str1[i] + 32;$
      - x) else
    - xi) en str = str1 [i];
    - xii) i++;
    - xiii) }
    - xiv) en\_str [i] = '0';
    - xv) return (en\_str);
    - xvi) }

b.

(08 Marks)

(08 Marks)

(08 Marks)

(04 Marks)

e. What are self check oracles? Compare self check oracles with comparison based oracles. (04 Marks)

## Module-4

- 7 a. Explain about the following basic principle of Testing process framework.
  - i) Sensitivity
  - ii) Restriction.
  - What are dependability properties in testing process framework? Explain with diagram.
  - c. Write short notes on Test design specification document.

(08 Marks)



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## OR

8	a.	Explain in detail about the Risk management interms of process and quality	-
	b.	List out various Risks and their control tactics in both. Write short notes on the following :	(10 Marks)
		i) Organizing documents	
		ii) Test and analysis Reports.	(10 Marks)
		Module-5	
9	a.	Compare Unit, Integration and System Testing.	(06 Marks)
	b. c.	Explain in detail about Integration Testing strategies. Write short notes on Test case prioritization and selective execution.	(08 Marks) (06 Marks)
	•••		(00 111115)
10	a.	OR Compare system, acceptance and regression testing.	(04 Marks)
10	b.	Explain various alternate lifecycle models in detail.	(10 Marks)
	c.	Write short notes on Regression Testing.	(06 Marks)
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