BAS-006

B.Tech. AEROSPACE ENGINEERING (BTAE) Term-End Examination December, 2017 BAS-006 : COMPUTER FUNDAMENTALS

Maximum Marks : 70		
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P.T.O.

4.

Write a C^{++} program to tabulate the function : 10

$$f(x) = \frac{x^3 - 1.5x^2 + 10x - 5}{x - 4}$$

for $x = -20$ to 20
x should take values
 $-20, -18, -16, \dots, 16, 18, 20.$

5. Explain the following terms/phrases/keywords with the help of an example/diagram if needed :

5x2=10

- (a) Mail merge
- (b) Logical AND Function in MS Excel
- (c) Find and Replace in MS word.
- (d) MIN and MAX Function in SQL.
- (e) Impact Printer and Non Impact Printer.
- 6. (a) Write a program to evaluate the function 5+5 $y = x^N$.
 - (b) Write a C⁺⁺ program to find the factorial of a number.
- 7. (a) List various types of system software and 5+5 explain one of them.
 - (b) Describe briefly the use of graphics in word processor software.
- 8. (a) Explain the various relationship among 5+5 entity.
 - (b) Discuss the differences between external, internal and conceptual schema and subschema.

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9. (a) Determine the Octal equivalent of $(010111)_2$ 5+5

(b) Determine the decimal equivalent of $(456)_8$

- 10. (a) Determine the Octal equivalent of 5+5 (5DF247)₁₆
 - (b) Determine the decimal equivalent of (10110011)₂

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