

**BACHELOR OF COMPUTER  
APPLICATIONS (B. C. A.)  
(PRE-REVISED)**

**Term-End Examination  
December, 2020**

**CS-612 : PC SOFTWARE APPLICATION SKILLS**

*Time : 2 Hours*

*Maximum Marks : 60*

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**Note :** (i) *Question number 1 is compulsory.*

(ii) *Attempt any **three** questions from the rest.*

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1. (a) Explain minimum spanning circle with the help of a diagram. 5
- (b) What is cell referencing in MS-Excel ? Explain relative and absolute cell referencing. 5
- (c) List basic properties of formula in MS-Excel. Explain, how to enter and edit a formula. 5

- (d) What is file transfer protocol ? Write any *two* commonly used FTP commands with their syntax. 5
- (e) If you are given 13 coins, and one of them is heavier than the rest, how can you determine it in not more than weighings ? 5
- (f) Prove that for all  $n \geq 10$ ,  $2^n \geq 100n$ . 5
2. (a) What is function in MS-Excel ? Explain following functions of MS-Excel : 8
- (i) SUM()
  - (ii) UPPER()
  - (iii) ABS()
  - (iv) SQRT()
- (b) Explain the use of Search Engine. 2
3. (a) Explain the use of autofomat in MS-Excel. 5
- (b) What is a Pivot Table ? How is it created ? 5
4. (a) What is a template ? How is it created in MS-Excel ? 5

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(b) What is Internet ? Explain any *two* types of internet connections. 5

5. Write short notes on the following :  $4 \times 2\frac{1}{2} = 10$

(a) Firewall

(b) ISP

(c) URL

(d) TELNET