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Name.....................................

Reg. No.................................

FIRST SEMESTER B.A./B.Sc. DEGREE EXAMINATION
NOVEMBER 2019

(CBCSS—UG)

Travel and Tourism Management (BTTM)

TTM 1C 01—BUSINESS STATISTICS AND INFORMATION TECHNOLOGY—I

(2019 Admissions)

Time : Two Hours and a Half

Maximum : 80 Marks

Section A

Short Answer Type, Each question carries 2 marks.

1. What is row and column matrix ?

2. If A = { 1, 2, 3, 4, 5}, B = {2, 4, 5, 8}, C = {3, 4, 5, 6,7}, find $A \cup (B \cup C)$.

3. What is quadratic equation ?

4. Difference between finite and infinite sets.

5. Write a pair of simultaneous equation.

6. A man purchase 5 horses and 10 cows for Rs. 10,000. He sells the horses at 15 % profit and the cows at 10 % loss. Thus , he gets Rs. 375 as profit. Find the cost of 1 horse and 1 cow.

7. The first term of an Arithmetic Progression is 15 and the last term is 85. If the sum of all terms is 750, what is the 6th term ?

8. What is crypto currency ?

9. Define GI. Site example.

10. Explain is royalty

11. What are the contents in insert tab in MS word.

12. Difference between Merge cell and wrap text.

13. What is a template ?

14. Give any *two* advantages of MS Excel.

(Ceiling - 25 marks)

Turn over

Section B

Paragraph / Problem type each carries 5 marks, not to exceed 100 words each.

15. On a standard 3-circle Venn diagram, shade the region(s) corresponding to the set :

    (a) $A \cap B'$.   (b) $(A \cup B)'$.

    (c) $A \cap (B \cap C')$ (d) $(A \cup B) \cap C$.

    (e) $(A \cap C') \cup B'$.

16. Write down the inverse of the matrix $M = \begin{bmatrix} 5 & -3 \\ 2 & 7 \end{bmatrix}$.

17. Solve for x : $x2 - 3x - 10 = 0$.

18. The 10th term of an A. P. is -15 and 31st term is -57, find the 15th term.

19. Explain the uses of intellectual property rights in tourism.

20. Write down the steps in creating a power point presentation with an example.

21. What are the functions and types operating system?

22. List and explain any five input devices used to enter data into a computer.

                                                        (Ceiling 35 Marks)

Section C

Answer any two questions, each carries 10 marks.

23. Solve simultaneously for x and y.

    $2x + y = 4$

    $x - y = -1$

24. A student borrows an education loan 25000 \$. The bank loans this money at a rate of 9 %, capitalized monthly. What amount will the student have to reimburse two years later ?

25. What are the issues and trends in cyber security ?

26. Explain the different types of functions in excel.

                                                       ($10 \times 2 = 20$ marks)