(ii) What do you understand by expert system? How expert systems could be beneficial for the business?

(iii) Discuss the importance of people as a factor in

knowledge management.

Roll No.....

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B.C.A. (Semester-VI) Examination-2014

Paper: Fourth (New Course)

Knowledge Management

Time: Three Hours]

[Maximum Marks: 75

Note: Section A is compulsory. Attempt any seven questions from Section B and any one question from Section C.

Section-A

- Ξ What are advanced databases? frequent pattern mining. Define support and confidence in context to 3
- What are different distance measures used in finding the distance between two objects in clustering?
- 2 Match the following:

9

- Information Crisis
- A. OLTP Application
- Strategic information

B. Data cleaned and transformed

- Operational system
- Data warehouse Data staging area
- Order processing
- C. Used for decision making D. Despite lots of data
- E. Environment, not product
- F. For day today operation

S

5

Object identifier

Excellent Test-Result

D

0

Good Fair

Excellent

Section-B

- groupware? What is groupware? What technologies are used for 9
- 5 un-supervised learning. Explain clearly the difference between supervised and 9
- E = 1 Define complete linkage.
- complement each other? How tacit knowledge and explicit knowledge 2
- 7. characteristics of decision support system? What are decision support systems? Discuss the 9
- 00 system in detail. Discuss various elements of knowledge management
- 9. OLTP systems projects? Discuss 4 such differences. How are the data warehouse projects different from

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10. are its major components? What do you understand by intellectual capitals? What

How are the top-down and bottom-up approaches for building the data warehouse is different? Discuss the merits and disadvantages for each approach.

Differentiate between informational system. operational system and 9

13. the role of datamining in knowledge discovery. What are various steps of knowledge discovery? Discuss

Section-C

14. Ξ frequent pattern mining. Describe both the steps of Apriori algorithm for

(ii) Find 3-item sets for following data, using Apriori Algorithm (9) Apriori Algorithm

I_1 I_2 , I_3	T_9
I_1 , I_2 , I_3 , I_5	T_8
I_1 , I_3	T ₇
I_2 , I_3	T_6
I_1, I_3	T_5
I ₁ , I ₂ , I ₄	T_4
I_2, I_3	T_3
I ₂ , I ₄	T_2
I_1, I_2, I_5	T_1
List of items in transaction	Transaction id

Minimum support is given as 2.

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