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Question Paper Code: 59204

B.E./B.Tech. DEGREE EXAMINATION, DEC 2020

Elective

Computer Science and Engineering

15UCS907- KNOWLEDGE BASED DECISION SUPPORT SYSTEMS

(Regulation 2015)

Duration: One hour

Maximum: 30 Marks

PART A - (6 x 1 = 6 Marks)

(Answer any Six of the following Questions)

1. Management information systems (MIS) CO1- U
 - (a) create and share documents that support day-today office activities
 - (b) process business transactions (e.g., time cards, payments, orders, etc.)
 - (c) capture and reproduce the knowledge of an expert problem solver
 - (d) use the transaction data to produce information needed by managers to run the business
2. The person who ensures that systems are developed on time, within budget, and with acceptable quality is a CO1- U
 - (a) systems designer
 - (b) project manager
 - (c) systems owner
 - (d) external system user
3. In which of Steven Alter's categories of DSS would you place data warehouses? CO2- U
 - (a) Analysis Information systems.
 - (b) Accounting and financial models
 - (c) Data analysis systems
 - (d) Suggestion models
4. What is the most important component of a Decision Support System? CO2- U
 - (a) Architecture and network design.
 - (b) Database
 - (c) Mathematical models and analytical tools
 - (d) User interface
5. The first CMM level at which measurable goals for quality and productivity are established is CO3- R
 - (a) Level 1
 - (b) Level 2
 - (c) Level 3
 - (d) Level 4

6. A cross life-cycle activity of system development is CO3- R
 (a) object modeling (b) prototyping (c) fact-finding (d) data modeling
7. Knowledge based system supports, _____ CO4- R
 (a) Knowledge of creation (b) Knowledge of support
 (c) Knowledge of Dissemination (d) All of the above
8. How many types of agents are there in artificial intelligence? CO4- R
 (a) 1 (b) 5 (c) 3 (d) 4
9. _____ involves using multi-sensory human- computer interfaces that CO5- R
 enable human users to experience computer-simulated objects, spaces, activities, and
 “worlds” as if they actually exist.
 (a) Virtual office (b) Virtual reality (c) Real reality (d) Reality.
10. Remote batch processing has the following characteristic(s): CO5- R
 (a) Data is entered online. (b) Data is collected in batches
 (c) Data is processed at a later time (d) both (a) and (b) and (c).

PART – B (3 x 8 = 24 Marks)

(Answer any Three of the following Questions)

11. Describe the three major managerial roles, and list some of the specific CO1- U (8)
 activities in each.
12. Describe in detail about key characteristics and capabilities of DSS with CO1- U (8)
 suitable diagrammatic representation
13. Explain how time/place Framework works in group work CO2- U (8)
14. Describe in detail about Knowledge Engineering Process with suitable CO3- U (8)
 example?
15. Why is implementing MSS technologies more complex than Implementing CO4- U (8)
 MIS technologies?