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Question Paper Code: 59221

B.E./B.Tech. DEGREE EXAMINATION, NOV 2019

Elective

Computer Science and Engineering

15UCS921- E LEARNING TECHNIQUES

(Regulation 2015)

Duration: Three hours

Maximum: 100 Marks

Answer ALL Questions

PART A - (5 x 1 = 5 Marks)

1. Which is not a type of Cognitive Learning CO1- U
 - (a) Classical conditioning
 - (b) Operant conditioning
 - (c) Observational learning
 - (d) Machine Learning
2. The way leader works is by acting as a parental figure by taking care of their subordinates as a parent would. CO2- U
 - (a) Democratic Leadership
 - (b) Autocratic Leadership
 - (c) Paternalistic Leadership
 - (d) Strategic Leadership
3. What skills does a tutor possess CO3- R
 - (a) Problem solving & creativity
 - (b) Communication skills
 - (c) Learning & Adapting
 - (d) All the above
4. Assessment which requires students to demonstrate that they have mastered specific skills and competencies by performing or producing something? CO4- U
 - (a) Summative assessment
 - (b) Authentic assessment
 - (c) Performance assessment
 - (d) Formative assessment
5. Remote infrastructure management (RIM) is the management that includes CO5- R
 - (a) IT infrastructure
 - (b) Hardware infrastructure
 - (c) Software Infrastructure
 - (d) All the above

PART – B (5 x 3= 15 Marks)

6. Briefly explain the steps in observation learning. CO1- U

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| 7. | Define trial and error learning with suitable example. | CO2- R |
| 8. | Give the classification of grading system with examples. | CO3- U |
| 9. | Illustrate the dynamics of feedback mechanism. | CO4- U |
| 10. | Name any two e-learning resources. | CO5- R |

PART – C (5 x 16= 80 Marks)

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| 11. | (a) What is the significance of E-content development in Education? | CO1- U | (16) |
| | Or | | |
| | (b) Explain steps of Instructional Design for On-line Learning with suitable examples. | CO1- U | (16) |
| 12. | (a) List out the E-learning approaches and elaborate it with your own examples. | CO2- U | (16) |
| | Or | | |
| | (b) Use of multimedia and ICT make Physical Science teaching effective -Substantiate. | CO2- U | (16) |
| 13. | (a) What is a task analysis? Perform task analysis for the following example of an e-learning course aimed at improving food security analysis and promoting its use in decision-making. | CO3- U | (16) |
| | Or | | |
| | (b) Illustrate the assessment of e-learning techniques. How to perform evaluation of a course offered through e-learning. | CO3- U | (16) |
| 14. | (a) Enumerate the items that are needed to develop an e-learning course? Explain in detail it with suitable examples. | CO4- U | (16) |
| | Or | | |
| | (b) How does subject matter experts (SME's) contribute to e-learning development , justify with suitable examples. | CO4- U | (16) |
| 15. | (a) List out the different media that can be used to illustrate the online content. Stress the importance of them and also provide how to avoid overloading the working memory of the learners. | CO5-U | (16) |
| | Or | | |
| | (b) Illustrate the different types of learning platforms (VLE, LMS and LCMS).Elaborate them with suitable examples. | CO5- U | (16) |