

BCA Semester: 4

030010412: DSE5 Introduction to Computer Networks

Assessment Policy

Assessment:

The weightage of CIE and University examination shall be as per the University regulations.

- Composition of CIE shall be (For Theory)

| Assessment Code | Assessment Type | Duration of each | Occurrence | Each of marks | Weightage in CIE of 40 marks | Remarks |
|-----------------|-----------------------------------|------------------|------------|---------------|------------------------------|---|
| A1 | Quiz | 1 hours | 1 | 20 | 4 x 1 = 4 | Covers units-1 |
| A2 | Unit Test | 1.5 hours | 1 | 20 | 6 x 2 = 12 | Unit Test-1 covers units-1, 2 and 3. Unit test-2 covers units 4,5,6(6.1) |
| A3 | Open Book test | 1 hours | 2 | 30 | 4 x 1 = 4 | Covers units:1,2 3,4,5(5.1) |
| A4 | Internal Examination | 3 hours | 1 | 60 | 15 x 1 = 15 | Covers all Units |
| A5 | Model Presentation and Assignment | - | 1 | 50 | 5 x 1 = 5 | Covers all Units |

Assessment Type Classification:

| Assessment Code: | A1 | Weightage of Content: | <table border="1"> <thead> <tr> <th>Unit</th> <th>(%)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>100</td> </tr> </tbody> </table> | Unit | (%) | 1 | 100 |
|---------------------------------|--|------------------------------|--|------|-----|---|-----|
| Unit | (%) | | | | | | |
| 1 | 100 | | | | | | |
| Assessment Type: | Quiz | Tentative Date: | 03/01/2018 | | | | |
| Kind of Question Format: | Q- 1: Short answer questions (10 out of 10) [Each of 1 mark] [10 marks] Q-2: Multiple Choice questions (10 out of 10) [Each of 1 mark] [10 Marks] | | | | | | |
| Assessment: | Formative | | | | | | |
| To measure: | Knowledge | | | | | | |
| Outcome: | CO1: Summarize about data communication, network architecture, different protocols and standards. CO2: Recognize data transmission techniques and transmission media. | | | | | | |
| Programme Outcome: | PO1: Proficiency in and ability to identify problems related to computer science as well as design and apply computational knowledge to solve them. | | | | | | |

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| | PO2: Ability to design, develop, test and maintain system, component, product or process as per needs and specification. |
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|---------------------------------|--|------------------------------|-------------|------------|
| Assessment Code: | A2 | Weightage of Content: | Unit | (%) |
| | | | 1 | 25 |
| | | | 2 | 30 |
| | | | 3 | 45 |
| Assessment Type: | Unit Test 1 | Tentative Date: | 18/01/2018 | |
| Kind of Question Format: | Q-1: (A) Short answer questions (4 out of 4) [Each of 1 mark] (B) Short answer questions (3 out of 4) [Each of 2 marks] Q-2: (A) Scenario based questions (2 out of 1) [Each of 5 marks] (B) Scenario based questions (2 out of 1) [Each of 5 marks] Q-3: Answer the question in detail (2 out of 3) [Each of 5 marks] Total Mark=Q-1+Q-2+Q-3=10+10+10 = 30 marks | | | |
| Assessment: | Formative | | | |
| To measure: | Knowledge | | | |
| Outcome: | CO1: Summarize about data communication, network architecture, different protocols and standards. CO2: Recognize data transmission techniques and transmission media. CO3: Demonstrate error detection and error correction methods. | | | |
| Programme Outcome: | PO1: Proficiency in and ability to identify problems related to computer science as well as design and apply computational knowledge to solve them. PO2: Ability to design, develop, test and maintain system, component, product or process as per needs and specification. | | | |

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|---------------------------------|--|------------------------------|-------------|------------|
| Assessment Code: | A3 | Weightage of Content: | Unit | (%) |
| | | | 1 & 2 | 10 |
| | | | 3 & 4 | 60 |
| | | | 5(5.1) | 30 |
| Assessment Type: | Open Book | Tentative Date: | 09/02/2018 | |
| Kind of Question Format: | Q-1: Answer the question in short (5 out of 6) (5 * 2 = 10 Marks) Q-2: Answer the question in detail (2 out of 2) (2 * 5 = 10 Marks) | | | |
| Assessment: | Formative | | | |
| To measure: | Knowledge | | | |
| Outcome: | CO3: Demonstrate error detection and error correction methods. CO4: Describe the functionality of data link layer protocols for flow control and error control CO5: Describe the functionality of network topologies and network components. CO6: Describe the functionalities of Ethernet standards 802.3. | | | |

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| Programme Outcome: | <p>P02: Ability to design, develop, test and maintain system, component, product or process as per needs and specification.</p> <p>P05: Knowledge of programming languages, database systems, operating systems, software engineering, Web & Mobile technology and relevant modern issues.</p> |
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|---------------------------------|---|------------------------------|-------------|------------|
| Assessment Code: | A2 | Weightage of Content: | Unit | (%) |
| | | | 1,2,3 | 25 |
| | | | 4 | 25 |
| | | | 5 | 35 |
| | | | 6(6.1) | 15 |
| Assessment Type: | Unit Test 2 | Tentative Date: | 02/03/2018 | |
| Kind of Question Format: | <p>Q-1: (A) Short answer questions (4 out of 4) [Each of 1 mark] (B) Short answer questions (3 out of 4) [Each of 2 marks]</p> <p>Q-2: (A) Practical Based questions (2 out of 1) [Each of 5 marks] (B) Practical Based questions (2 out of 1) [Each of 5 marks]</p> <p>Q-3: Answer the question in detail (2 out of 3) [Each of 5 marks]</p> <p>Total Mark=Q-1+Q-2+Q-3=10+10+10 = 30 marks</p> | | | |
| Assessment: | Formative | | | |
| To measure: | Knowledge | | | |
| Outcome: | <p>C04: Describe the functionality of data link layer protocols for flow control and error control.</p> <p>C05: Describe the functionality of network topologies and network components.</p> <p>C06: Describe the functionalities of Ethernet standards 802.3.</p> <p>C07: Summarize about Wide area network and wireless LAN.</p> | | | |
| Programme Outcome: | <p>P02: Ability to design, develop, test and maintain system, component, product or process as per needs and specification.</p> <p>P05: Knowledge of programming languages, database systems, operating systems, software engineering, Web & Mobile technology and relevant modern issues.</p> | | | |

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|---------------------------------|---|------------------------------|-------------|------------|
| Assessment Code: | A4 | Weightage of Content: | Unit | (%) |
| | | | 1 | 100 |
| | | | 2 | |
| | | | 3 | |
| | | | 4 | |
| | | | 5 | |
| | | | 6 | |
| Assessment Type: | Internal | Tentative Date: | 30/03/2018 | |
| Kind of Question Format: | <p>Section-1</p> <p>Q-1: (A) Short answer questions (4 out of 4) [Each of 1 mark] (B) Short answer questions (3 out of 4) [Each of 2 marks]</p> <p>Q-2: (A) Scenario based questions. (2 out of 1) [Each of 5 marks] (B) Scenario based questions. (2 out of 1) [Each of 5 marks]</p> <p>Q-3: Answer the question in detail (2 out of 3) [Each of 5 marks]</p> | | | |

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| | <p>Section-2 Q-4: (A) Short answer questions (4 out of 4) [Each of 1 mark] (B) Short answer questions (3 out of 4) [Each of 2 marks] Q-5: (A) Scenario based questions. (2 out of 1) [Each of 5 marks] (B) Scenario based questions. (2 out of 1) [Each of 5 marks] Q-6: Answer the question in detail (2 out of 3) [Each of 5 marks]</p> <p>Total Mark=Q-1+Q-2+Q-3+Q-4+Q-5+Q-6=10+10+10+10+10+10 = 60 marks</p> |
| Assessment: | Formative |
| To measure: | Knowledge |
| Outcome: | CO1: Summarize about data communication, network architecture, different protocols and standards. CO2: Recognize data transmission techniques and transmission media. CO3: Demonstrate error detection and error correction methods. CO4: Describe the functionality of data link layer protocols for flow control and error control. CO5: Describe the functionality of network topologies and network components. CO6: Describe the functionalities of Ethernet standards 802.3. CO7: Summarize about Wide area network and wireless LAN. |
| Programme Outcome: | PO1: Proficiency in and ability to identify problems related to computer science as well as design and apply computational knowledge to solve them. PO2: Ability to design, develop, test and maintain system, component, product or process as per needs and specification. PO5: Knowledge of programming languages, database systems, operating systems, software engineering, Web & Mobile technology and relevant modern issues. |

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|---------------------------------|--|---|------------|
| Assessment Code: | A4 | Tentative Final Submission Date: | 15/03/2018 |
| Assessment Type: | Model Presentation and Assignment | | |
| Kind of Question Format: | Topics related to computer networks. | | |
| Assessment: | Formative | | |
| To measure: | Knowledge and Analysis | | |
| Outcome: | CO2: Recognize data transmission techniques and transmission media. CO3: Demonstrate error detection and error correction methods. CO4: Describe the functionality of data link layer protocols for flow control and error control. CO5: Describe the functionality of network topologies and network components. CO6: Describe the functionalities of Ethernet standards 802.3. | | |
| Rules: | <ul style="list-style-type: none"> • Each team of students shall have 2 members. • The model title shall be proposed by team and shall be finalized by subject teacher. • A study report shall be prepared showing the flow of model preparation. | | |

| | <ul style="list-style-type: none"> Model presentation submission shall be in three parts: <table border="1" data-bbox="560 338 1423 595"> <thead> <tr> <th>Task to be accomplished</th> <th>Marks</th> <th>Date of Submission</th> </tr> </thead> <tbody> <tr> <td>Team members and Title submission</td> <td>5</td> <td>18/01/2018</td> </tr> <tr> <td>Study report submission</td> <td>10</td> <td>18/02/2018</td> </tr> <tr> <td>Model Presentation</td> <td>30</td> <td>15/03/2018</td> </tr> </tbody> </table> Assignment two questions from each unit will be given by course teacher from time to time from unit 1 to 6. Submission of Assignment shall be done within one week after the completion of each unit. At least 6 assignments will be given throughout the semester which will contain 5 marks out of 50 marks of Model Presentation and Assignment parameter. | Task to be accomplished | Marks | Date of Submission | Team members and Title submission | 5 | 18/01/2018 | Study report submission | 10 | 18/02/2018 | Model Presentation | 30 | 15/03/2018 |
|-----------------------------------|--|-------------------------|-------|--------------------|-----------------------------------|---|------------|-------------------------|----|------------|--------------------|----|------------|
| Task to be accomplished | Marks | Date of Submission | | | | | | | | | | | |
| Team members and Title submission | 5 | 18/01/2018 | | | | | | | | | | | |
| Study report submission | 10 | 18/02/2018 | | | | | | | | | | | |
| Model Presentation | 30 | 15/03/2018 | | | | | | | | | | | |
| <p>Programme Outcome:</p> | <p>PO1: Proficiency in and ability to identify problems related to computer science as well as design and apply computational knowledge to solve them. PO2: Ability to design, develop, test and maintain system, component, product or process as per needs and specification.</p> | | | | | | | | | | | | |

Bonus Criteria: If a student appears in all the CIE and passes in Unit test 1, Open Book, Unit Test 2, these three CIE parameters, then 2 marks bonus shall be given to them in final internal marks.

UFM policy:

Any ascertained fact of breaking institute policy shall be associated with one or all of the following: (i) zero marks for that CIE parameter occurrence; (ii) Restricted to appear in any further academic assessments of that same course (iii) report to the Programme Co-ordinator; (iii) report to the Director.