

ASSESSMENT POLICY

BCA (4th Semester)

030010412: DSE5 Introduction to Computer Networks

Assessment Code	Assessment Type	Duration of each	Occurrence	Each of marks	Weightage in CIE of <<40 marks>>	Remarks*
A1	Quiz	55 mins.	1	20	5 x 1 = 5	Covers units-1
A2	Unit Test	1.5 hrs.	2	30	6 x 2 = 12	Unit Test-1 covers units- 1, 2 and 3.1. Unit test-2 covers units 1,2,3,4,5.1 & 5.2
A3	Internal Examination	3 hrs.	1	60	16 x 1 = 16	Covers all Units
A4	Case Study	-	1	50	7 x 1 = 7	Covers all Units

**on coverage of units and tentative week*

Assessment Type Classification:

Assessment Code :	A1	Weightage of Content :	Unit	(%)
			1	100
Assessment Type :	Quiz	Tentative Date :	21-12-2018	
Kind of Question Format:	<p>Q:20 Multiple Choice questions of 1 mark. 30% questions shall be remembering type nature where as 70% shall be of understanding type to test knowledge and analytical skill. The reference for model Unit test question paper is available at http://bvpinst.edu.in/BCAStdCorner.html</p>			
To measure :	Knowledge and Analysis			
Course Outcome :	<p>CO1: Summarize about data communication, network architecture, different protocols and standards. CO2: Describe the functionalities of Network Topologies and Network Components.</p>			
Programme Outcome :	<p>PO1: Ability to understand the concepts of key areas in computer science. PO5: Recognition of the need for life-long learning.</p>			

Assessment Code :	A2	Weightage of Content :	Unit	(%)
			1	30
			2	50
			3.1	20
Assessment Type :	Unit Test 1	Tentative Date :	18-01-2019	
Kind of Question Format:	<p>Q-1: (A) Short answer questions of 1 mark. 70% questions shall be of understanding type nature where as 30% shall be of analysis type to test knowledge and analytical skill with one word or a line of answer.</p> <p>(B) Answer to the questions in brief. Each question consists of 2 marks. Students have to attempt three questions out of four. 70% questions shall be of understanding type nature where as 30% shall be of analysis type to test knowledge and analytical skill with two or five lines of answer.</p> <p>Q-2: (A) Answer to the questions in detail based on situation given in the questions. Each question consists of 5 marks. Students have to attempt any one question out of two questions. Both the questions shall be of analysis type to test the student's analytical skill.</p> <p>(B) Answer to the questions in detail based on situation given in the questions. Each question consists of 5 marks. Students have to attempt any one question out of two questions. Both the questions shall be of analysis type to test the student's analytical skill.</p> <p>Q-3: Answer to the questions in detail. Each question consists of 5 marks. Students have to attempt any two questions out of three questions. All the three questions shall be of remembering type in nature to test the student's conceptual clarity.</p> <p>The reference for model Unit test question paper is available at http://bvpinst.edu.in/BCAStdCorner.html</p> <p>Total Mark=Q-1+Q-2+Q-3=10+10+10 = 30 marks</p>			
To measure :	Knowledge			
Course Outcome :	<p>CO1: Summarize about data communication, network architecture, different protocols and standards.</p> <p>CO3: Recognize Data Transmission Techniques and Transmission Media.</p> <p>CO4: Demonstrate Error Detection and Error Correction Methods.</p>			
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.			

Assessment Code :	A2	Weightage of Content :	Unit	(%)
			1,2	10
			3	30
			4	40

			5.1 & 5.2	20
Assessment Type :	Unit Test 2	Tentative Date :	21-02-2019	
Kind of Question Format:	<p>Q-1: (A) Short answer questions of 1 mark. 70% questions shall be of understanding type nature where as 30% shall be of analysis type to test knowledge and analytical skill with one word or a line of answer.</p> <p>(B) Answer to the questions in brief. Each question consists of 2 marks. Students have to attempt three questions out of four. 70% questions shall be of understanding type nature where as 30% shall be of analysis type to test knowledge and analytical skill with two or five lines of answer.</p> <p>Q-2: (A) Answer to the questions in detail based on situation given in the questions. Each question consists of 5 marks. Students have to attempt any one question out of two questions. Both the questions shall be of analysis type to test the student's analytical skill.</p> <p>(B) Answer to the questions in detail based on situation given in the questions. Each question consists of 5 marks. Students have to attempt any one question out of two questions. Both the questions shall be of analysis type to test the student's analytical skill.</p> <p>Q-3: Answer to the questions in detail. Each question consists of 5 marks. Students have to attempt any two questions out of three questions. All the three questions shall be of remembering type in nature to test the student's conceptual clarity.</p> <p>The reference for model Unit test question paper is available at http://bvpinst.edu.in/BCAStdCorner.html</p> <p>Total Mark=Q-1+Q-2+Q-3=10+10+10 = 30 marks</p>			
To measure :	Knowledge			
Course Outcome :	<p>C01: Summarize Data Communication, Network architecture, Protocols and Standards.</p> <p>C02: Describe the functionalities of Network Topologies and Network Components.</p> <p>C03: Recognize Data Transmission Techniques and Transmission Media.</p> <p>C04: Demonstrate Error Detection and Error Correction Methods.</p> <p>C05: Illustrate the functionalities of Data Link Layer Protocols and Medium Access Control Sublayer Protocols for Flow Control and Error Control.</p>			
Programme Outcome :	<p>PO1: Ability to understand the concepts of key areas in computer science.</p> <p>PO2: Ability to design and develop system, component or process as well as test and maintain it so as to provide promising solutions to industry and society.</p> <p>PO5: Recognition of the need for life-long learning.</p>			

Assessment Code :	A3	Weightage of Content :	All Units cover as per syllabus weightage
Assessment Type :	Internal	Tentative Date :	22-03-2019

<p>Kind of Question Format:</p>	<p>Section-1 Q-1: (A) Short answer questions of 1 mark. 70% questions shall be of understanding type nature where as 30% shall be of analysis type to test knowledge and analytical skill with one word or a line of answer. (B) Answer to the questions in brief. Each question consists of 2 marks. Students have to attempt three questions out of four. 70% questions shall be of understanding type nature where as 30% shall be of analysis type to test knowledge and analytical skill with two or five lines of answer. Q-2: (A) Answer to the questions in detail based on situation given in the questions. Each question consists of 5 marks. Students have to attempt any one question out of two questions. Both the questions shall be of analysis type to test the student's analytical skill. (B) Answer to the questions in detail based on situation given in the questions. Each question consists of 5 marks. Students have to attempt any one question out of two questions. Both the questions shall be of analysis type to test the student's analytical skill. Q-3: Answer to the questions in detail. Each question consists of 5 marks. Students have to attempt any two questions out of three questions. All the three questions shall be of remembering type in nature to test the student's conceptual clarity. Section-2 Q-4: (A) Short answer questions of 1 mark. 70% questions shall be of understanding type nature where as 30% shall be of analysis type to test knowledge and analytical skill with one word or a line of answer. (B) Answer to the questions in brief. Each question consists of 2 marks. Students have to attempt three questions out of four. 70% questions shall be of understanding type nature where as 30% shall be of analysis type to test knowledge and analytical skill with two or five lines of answer. Q-5: (A) Answer to the questions in detail based on situation given in the questions. Each question consists of 5 marks. Students have to attempt any one question out of two questions. Both the questions shall be of analysis type to test the student's analytical skill. (B) Answer to the questions in detail based on situation given in the questions. Each question consists of 5 marks. Students have to attempt any one question out of two questions. Both the questions shall be of analysis type to test the student's analytical skill. Q-6: Answer to the questions in detail. Each question consists of 5 marks. Students have to attempt any two questions out of three questions. All the three questions shall be of remembering type in nature to test the student's conceptual clarity. The reference for model Unit test question paper is available at http://bvpinst.edu.in/BCAStdCorner.html Total Mark=Q-1+Q-2+Q-3+Q-4+Q-5+Q-6=10+10+10+10+10+10 = 60 Marks</p>
<p>To measure :</p>	<p>Knowledge</p>
<p>Course Outcome :</p>	<p>CO1: Summarize Data Communication, Network architecture, Protocols and Standards. CO2: Describe the functionalities of Network Topologies and Network Components. CO3: Recognize Data Transmission Techniques and Transmission Media. CO4: Demonstrate Error Detection and Error Correction Methods. CO5: Illustrate the functionalities of Data Link Layer Protocols and</p>

	<p>Medium Access Control Sublayer Protocols for Flow Control and Error Control. CO6: Discuss and compare the functionalities of Ethernet Standards 802.3 CO7: Summarize Wide Area Network and Wireless LAN.</p>
Programme Outcome :	<p>PO1: Ability to understand the concepts of key areas in computer science. PO2: Ability to design and develop system, component or process as well as test and maintain it so as to provide promising solutions to industry and society.</p>

Assessment Code :	A4	Weightage of Content :	All Units										
Assessment Type :	Case Study	Tentative Date :	26-02-2019										
Kind of Question Format:	A team shall be visit company/organization and prepare document (As per Annexure I) of Network architecture established in organization. A team must prepare and give presentation of the same.												
To measure :	Knowledge and Analysis												
Course Outcome :	<p>CO1: Summarize Data Communication, Network architecture, Protocols and Standards. CO2: Describe the functionalities of Network Topologies and Network Components. CO3: Recognize Data Transmission Techniques and Transmission Media. CO4: Demonstrate Error Detection and Error Correction Methods. CO5: Illustrate the functionalities of Data Link Layer Protocols and Medium Access Control Sublayer Protocols for Flow Control and Error Control. CO6: Discuss and compare the functionalities of Ethernet Standards 802.3 CO7: Summarize Wide Area Network and Wireless LAN.</p>												
Rules :	<ul style="list-style-type: none"> Each team of students shall have 5 members. Case study shall be proposed by team and shall be finalized by course teacher after discussion with team. Each team shall have company visit card given by the course teacher to get details of the company visit. Student shall visit company or organization on Saturday only with prior permission of the course teacher. After company visit team shall report and submit company visit card to the course teacher. A document shall be prepared as per the Annexure-I. Students shall submit soft copy of document containing description flow and process of the network architecture of the company or organization. Following Dates are declared for plan of action. <table border="1"> <thead> <tr> <th>Action Plan</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>Team Details and Case study title submission</td> <td>21/01/2019</td> </tr> <tr> <td>Document Submission</td> <td>25/02/2019</td> </tr> <tr> <td>Case Study Presentation</td> <td>26/02/2019 to 15/03/2019</td> </tr> </tbody> </table> <ul style="list-style-type: none"> Following are Evaluation parameters. <table border="1"> <tr> <td>Parameter</td> <td>Marks (Consider 50 marks)</td> </tr> </table>			Action Plan	Date	Team Details and Case study title submission	21/01/2019	Document Submission	25/02/2019	Case Study Presentation	26/02/2019 to 15/03/2019	Parameter	Marks (Consider 50 marks)
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	<table border="1"><tr><td>On time submission</td><td>05</td></tr><tr><td>Case Study Document</td><td>20</td></tr><tr><td>Case Study Presentation</td><td>25</td></tr></table>	On time submission	05	Case Study Document	20	Case Study Presentation	25
On time submission	05						
Case Study Document	20						
Case Study Presentation	25						
Programme Outcome :	P01: Ability to understand the concepts of key areas in computer science. P02: Ability to design and develop system, component or process as well as test and maintain it so as to provide promising solutions to industry and society. P03: Effective communication and presentation skill. P04: Ability to understand professional and ethical responsibility. P05: Recognition of the need for life-long learning.						

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.

Annexure I: Document Format

- i. Title Page
- ii. Certification Form
- iii. Acknowledgement
- iv. Table of Contents with page numbering
- v. List of Tables, Figures, schemes
 1. Company Profile
 2. Introduction of Case Study
 - 2.1 Case Study Description
 - 2.2 Network Components
 - 2.3 Network Architecture
 3. Conclusion
 4. References