

BCA 3rd Semester
Course: 030010312-CC9 Fundamentals of Operating Systems
ASSESSMENT POLICY

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	Each of marks	Weightage in CIE of 40 marks	Remarks
A1	Quiz	1 Hour	20	5	Shall be taken at the end of 1 st and 2 nd Unit.
A2	Mid Term Test	1 .5 Hours	30	10	Shall be taken at the end of 1 st , 2 nd and 3 rd Units.
A3	Internal Examination	3 Hours	60	15	Covers all Units
A4	Code Competition OR Poster Presentation	1.5 Hours	50	10	Covers all Units.

Remark: Above mentioned assessments are taken only once during whole semester.

Assessment Type Classification:

Assessment Code:	A1	Weightage of Content:	Unit	(%)
			Unit-1	20%
			Unit-2	80%
Assessment Type:	Quiz 1	Tentative Date:	19 July, 2018	
Kind of Question Format:	1) Short answer question. [10 questions having 1 mark each of understanding type.] 2) Choose the most appropriate answer(s) from the options for questions. [10 questions having .5 mark each of understanding type.] 3) Crossword puzzle [5 words having 1 mark each of understanding type.]			
To measure:	Knowledge			
Course Outcome:	CO1: Describe Operating System concepts, services and structure. CO2: Illustrate process concept, process operations and process scheduling algorithms.			
Programme Outcome	PO1: Ability to understand the concepts of key areas in computer science.			

Assessment Code	A2	Weightage of Content :	Unit	(%)	
			Unit-1	10%	
			Unit-2	40%	
			Unit-3	50%	
Assessment Type	Mid Term Test	Tentative Date:	24 August, 2018		
Kind of Question Format:	Q. No	Detail	Marks Of Each	Category	Remarks
	Q-1	Answer in brief	2	Understanding	5 out of 6
	Q-2	Practical's/scenario-based questions	5	Analysis	2 out of 3
	Q-3	Answer in detail	5	Remembering	2 out of 3
To measure :	Knowledge, Comprehension and Analysis				
Course Outcome :	CO1: Describe Operating System concepts, services and structure. CO2: Illustrate process concept, process operations and process scheduling algorithms. CO3: Identify deadlock and its prevention and avoidance.				
Programme Outcome	PO1: Ability to understand the concepts of key areas in computer science.				

Assessment Code :	A3	Weightage of Content :	From unit 1,2,3,4,5 and 6
Assessment Type :	Internal	Tentative Date :	1 st week of October
Kind of Question Format:	Same format as External Examination Question paper format of course 030010312-CC9 Fundamentals of Operating Systems.		
To measure :	Knowledge, Comprehension and Analysis		
Outcome:	CO1: Describe Operating System concepts, services and structure. CO2: Illustrate process concept, process operations and process scheduling algorithms. CO3: Identify deadlock and its prevention and avoidance. CO4: Determine the concept of memory management, swapping, paging, segmentation, virtual memory management and page replacement algorithms. CO5: Classify file system concepts, Sharing and protection. CO6: Classify disk structure and disk scheduling algorithms.		
Programme Outcome	PO1: Ability to understand the concepts of key areas in computer science.		

Assessment Code :	A4	Weightage of Content :	From unit 1,2,3,4,5 and 6
Assessment Type :	Code Competition OR Poster Presentation	Tentative Date :	19/09/2018
Kind of Question Ask :	<ul style="list-style-type: none"> As per the student keen interest towards computer science domain, student can choose one of the Code Competition OR Poster Presentation CIE parameter. Team shall be consisting of maximum 2 students. The team shall be form by students and send details to course teacher by mail on or before 10/08/2018. Topic for both assessment type based on operating system concept (Like Process operation, Process Scheduling Algorithm, Disk Scheduling Algorithm, Page Replacement Algorithms etc.) and given on same date of assessment. <p>Code Competition:</p> <ul style="list-style-type: none"> This CIE will be taken with collaboration of course 030010310-CC7 Java Programming so team will be same for both subjects. Code implementation must be done in Java. Evaluation Criteria: 		

Sr. No	Criteria	Marks [50]
1.	A complete solution submission on or before 1.5 hours after start of competition.	10
2.	Implementation of Operating System Concept	25
3.	Viva based on Implemented Operating system concept [Within next week of competition]	15

OR

Poster Presentation:

- This CIE will be taken only for course 030010312-CC9 Fundamentals of Operating Systems.
- Drawing / painting must be on paper of A3 size (297 x 420 mm).
- Poster must not be printed but can be used external material like newspaper cutting, clip arts etc.
- Evaluation Criteria:

Sr. No	Criteria	Marks [50]
1.	Clarity & Innovation	10
2.	Apply depth knowledge of Operating System Concept on poster	15
3.	Presentation and Communication Skill [Same day of competition]	25

To measure :	Synthesis and Application
Outcome:	CO1: Describe Operating System concepts, services and structure. CO2: Illustrate process concept, process operations and process scheduling algorithms. CO3: Identify deadlock and its prevention and avoidance. CO4: Determine the concept of memory management, swapping, paging, segmentation, virtual memory management and page replacement algorithms. CO5: Classify file system concepts, Sharing and protection. CO6: Classify disk structure and disk scheduling algorithms.
Programme Outcome	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. PO3: Effective communication and presentation skill.

• **UFM**

- No make-up work shall be accepted for missed or failed tests.
- Any ascertained fact of breaking institute policy shall be associated with one or all of the following: (i) zero marks for the work; (ii) report to the Program coordinator; (iii) report to the Director; (iv) report to parents.