

# Swami Vivekanand University, Sagar (M.P.)

As per model syllabus of U.G.C. New Delhi, drafted by  
Central Board of Studies and Approved by Higher  
Education and the Governor of M.P.



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**Faculty of Science**

**Syllabus & Prescribed Books**

**Subject- Computer Science**

**M.Sc. Semester Examination**

**2016-17**

**I & II Semester**

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## COURSEWISE SCHEME I<sup>st</sup> SEMESTER

1. Course Code	: MSCCS	5. Total Practical	: 2
2. Course Name	: M.Sc. Computer Science	6. Total Practical Marks	: 100
3. Total Theory Subject	: 4	7. Total Marks	: 300
4. Total Theory Marks	: 200	8. Minimum Passing Percentage	: 36

Sub. Code	Subject Name	Theory									Practical		Total	
		Paper					CCE		Total Marks		Max.	Min.	Max.	Min.
		1st	2nd	3rd	Max.	Min.	Max.	Min.	Max.	Min.				
<b>Compulsory</b>														
MSCCS 101	Discrete Mathematics Structures	42	0	0	42	15	8	3	50	18	0	0	50	18
MSCCS 102	Programming in C	42	0	0	42	15	8	3	50	18	0	0	50	18
MSCCS 103	Computer Organization & Architecture	42	0	0	42	15	8	3	50	18	0	0	50	18
MSCCS 104	Windows & P.C., Software	42	0	0	42	15	8	3	50	18	0	0	50	18
MSCCS 105	<b>Practical-I</b> (C Language)	0	0	0	0	0	0	0	0	0	50	18	50	18
MSCCS 106	<b>Practical-II</b>	0	0	0	0	0	0	0	0	0	50	18	50	18



## COURSEWISE SCHEME

### II<sup>nd</sup> SEMESTER

1. Course Code	: MSCCS	5. Total Practical	: 2
2. Course Name	: M.Sc. Computer Science	6. Total Practical Marks	: 100
3. Total Theory Subject	: 4	7. Total Marks	: 300
4. Total Theory Marks	: 200	8. Minimum Passing Percentage	: 36

Sub. Code	Subject Name	Theory										Practical		Total	
		Paper					CCE		Total Marks		Max.	Min.	Max.	Min.	
1st	2nd	3rd	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.					Max.
<b>Compulsory</b>															
MSCCS 201	Data Structures and Algorithms	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCCS 202	Operating System	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCCS 203	Computer Networks with windows NT	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCCS 204	Programming in Java	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCCS 205	<b>Practical-I</b> (C Language)	0	0	0	0	0	0	0	0	0	50	18	50	18	
MSCCS 206	<b>Practical-II</b>	0	0	0	0	0	0	0	0	0	50	18	50	18	

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**Faculty of Science**

**Syllabus & Prescribed Books**

**Subject- Computer**

**Science**

**M.A. Semester Examination**

**2017-18**

**III & IV Semester**

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## COURSEWISE SCHEME III<sup>rd</sup> SEMESTER

1. Course Code	: MSCCS	5. Total Practical	: 2
2. Course Name	: M.Sc. Computer	6. Total Practical Marks	: 100
3. Total Theory Subject	: 4	7. Total Marks	: 300
4. Total Theory Marks	: 200	8. Minimum Passing Percentage	: 36

Sub. code	Subject Name	Theory										Practical		Total	
		Paper					CCE		Total Marks						
		1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	
<b>Compulsory paper</b>															
MSCCS 301	RDBMS concepts and Oracle	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCCS 302	Multimedia Tools and Applications	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCCS 303	Software Eng.	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCCS 304	Java	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCCS 305	<b>Practical (i) Java</b>	0	0	0	0	0	0	0	0	0	50	18	50	18	
MSCCS 306	<b>Practical (ii)</b>	0	0	0	0	0	0	0	0	0	50	18	50	18	



## COURSEWISE SCHEME IV<sup>th</sup> SEMESTER

1. Course Code	: MSCCS	6. Total Practical Marks	: 100
2. Course Name	: M.Sc. Computer	6. Project Marks	: 50
3. Total Theory Subject	: 4	7. Total Marks	: 350
4. Total Theory Marks	: 200	8. Minimum Passing Percentage	: 36
5. Total Practical	: 2		

Sub. code	Subject Name	Theory										Practical		Total	
		Paper					CCE		Total Marks						
		1 <sup>st</sup>	2 <sup>nd</sup>	3 <sup>rd</sup>	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.
<b>Compulsory paper</b>															
MSCCS 401	UNIX INTERNALS, SHELL PROGRAMMING & LINUX	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCCS 402	COMPUTER DESIGN	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCCS 403	ASP.NET AND C#	42	0	0	42	15	8	3	50	18	0	0	50	18	
<b>Elective paper (Any One)</b>															
MSCCS 404-A	Artificial Intelligence and Expert System	42	0	0	42	15	8	3	50	18	0	0	50	18	
MSCCS 404-B	Data Warehousing and Minig	42	0	0	42	15	8	3	50	18	0	0	50	18	
<b>Compulsory</b>															
MSCCS 405	<b>Practical (i)</b> ASP.NET	0	0	0	0	0	0	0	0	0	50	18	50	18	
MSCCS 406	<b>Practical (ii)</b> SHELL PROGRAMMING (Linux/Unix)	0	0	0	0	0	0	0	0	0	50	18	50	18	
MSCCS 407	Project Work	0	0	0	0	0	0	0	50	18	0	0	50	18	