

S.Y.B.Sc. (Sem. I) students shall offer three out of four subjects offered by him in the First Year B.Sc. In addition, he shall offer one subject of one language

S.Y.B.Sc. (Semester 2013 Pattern)

Semester I (Revised 2013 Pattern)

Subject Name	Subject Code	Subject Code	Subject Code	Subject Code (out of 40 (Practical))
11. Mathematics	81111	811A1	OR 811B1	81151
12. Physics	81211	812A1	OR 812B1	
13. Chemistry	81311	81321		
14. Botany	81411	81421		
15. Zoology	81511	81521		
16. Geology	81611	81621		
17. Statistics	81711	81721		
18. Geography	81811	81821		
19. Microbiology	81911	81921		
20. Psychology	82011	82021		
21. Stat. Techniques	82111	82121		
22. Electronic Science	82211	82221		
23. Defence & Strategic Studies	82311	82321	82331	
24. Environmental Science	82411	82421		
32. English	83011			
33. Marathi	83111			
34. Hindi	83211			
35. Sanskrit	83311			
37. Arabic Functional	83711			
38. Urdu General Paper II	83811			

S.Y.B.Sc. (Semester 2013 Pattern)

Semester II (Revised 2013 Pattern)

Subject Name	Subject Code	Subject Code	Subject Code	Subject Code (out of 80 (Practical))
11. Mathematics	81112	811A2	OR 811B2	81152 (Out of 40)
12. Physics	81212	81222		81232
13. Chemistry	81312	81322		81332
14. Botany	81412	81422		81432
15. Zoology	81512	81522		81532
16. Geology	81612	81622		81632
17. Statistics	81712	81722		81732
18. Geography	81812	81822		81832
19. Microbiology	81912	81922		81932
20. Psychology	82012	82022		82032
21. Stat.Techniques	82112	82122		82132
22. Electronic Science	82212	82222		82232
23. Defence & Strategic Studies	82312	82322	82332	
24. Environmental Science	82412	82422		82432
32. English	83012			
33. Marathi	83112			
34. Hindi	83212			
35. Sanskrit	83312			
36. Environmental Awareness	89992 (Compulsory at college only)			
37. Arabic Functional	83712			
38. Urdu General Paper II	83812			

VOCATIONAL & RESTRUCTURE COURSES

(Any one Group of the following)

S.Y.B.Sc. (Semester 2013)

	Semester I		Semester II		
	Theory Paper I	Theory Paper II	Theory Paper I	Theory Paper II	Practical
56. Industrial Chemistry	85611	85621	85612	85622	85632
57. Bio-Technology	85711	85721	85712	85722	85732
80. Photography and Audio Visual Production	88011	88021	88012	88022	88032
81. Electronic Equip. Maintenance	88111	88121	88112	88122	88132
87. Computer Hardware & Network Administration	88711	88721	88712	88722	88732
89. Seed Technology	88911	88921	88912	88922	88932
82. Ind. Microbiology	88211	88221	88212	88222	88232
RESTRUCTURE :					
'C' Component * _____					
D/E Component * _____					

VOCATIONAL & RESTRUCTURE COURSES

(Any one Group of the following)

S.Y.B.Sc. (Semester 2013)

	Semester III				
	Theory Paper I	Theory Paper II			
56. Industrial Chemistry	95653	95663			
57. Bio-Technology	95753	95763			
80. Photography and Audio Visual Production	98053	98063			
81. Electronic Equip. Maintenance	98153	98163			
82. Ind. Microbiology	98253	98263			
87. Computer Hardware & Network Administration	98753	98763			
89. Seed Technology	98953	98963			
RESTRUCTURE :					
'C' Component * _____					
D/E Component * _____					

T.Y.B.Sc. students shall offer one of the three subjects offered by him in Second Year B.Sc. as his Principal Subject.

Special Subject Code & Name	T.Y.B.Sc. Semester Pattern 2013 SEMESTER III									
	Theory Paper	I	II	III	IV	V	VI	VII	VIII	IX
11. (A) Mathematics	91113	91123	91133	91143	91153	91163	Elective Code	Elective Code		91193 Pract
12. (B) Physics	91213	91223	91233	91243	91253	Elective Code				
13. (C) Chemistry	91313	91323	91333	91343	91353	Elective Code				
14. (D) Botany	91413	91423	91433	91443	91453	91463				
15. (E) Zoology	91513	91523	91533	91543	91553	Elective Code				
16. (F) Geology	91613	91623	91633	91643	91653	91663				
17. (G) Statistics	91713	91723	91733	91743	91753	91763				
18. (H) Geography	91813	91823	91833	91843	91853	91863				
19. (I) Microbiology	91913	91923	91933	91943	91953	91963				
22. (L) Electronics	92213	92223	92233	92243	92253	Elective Code				
23. (M) Defence Studies	92313	92323	92333	92343	92353	Elective	Elective	Elective	Elective	
24. (N) Environ- mental Science	92413	92423	92433	92443	92453	92463				

T.Y.B.Sc. Elective Paper Subject Coding List

Sub. Code	Subject Name	Sub. Code	Subject Name
Sem. III Mathematics			
911A3	Operation Research		
911B3	Dynamical System		
911C3	C “ Programming - I		
911D3	Lattice Theory		
911E3	Financial Mathematics		
911F3	Number Theory		
Sem. III Physics			
912A3	Astronomy and Astrophysics		
912B3	Elements of Materials Science		
912C3	Motion Picture Physics		
912D3	Biophysics		
912E3	Renewable Energy Sources		
912F3	Applied Optics		
Sem. III Chemistry			
913A3	Nuclear Chemistry		
913B3	Polymer Chemistry		
913C3	Introduction To Bio-Chemistry & Molecular Biology		
913D3	Environmental & Green Chemistry		
913E3	Agriculture Chemistry		
Sem.- III Zoology			
915A3	General Pathology		
915B3	Cell Biology		
Sem.- III Electronics			
922A3	Fiber Optic Communication		
922B3	Electronics Product Design & Entrepreneurship		
Sem.- III Defence and Strategic Studies			
<i>(Choose any one Paper from each group)</i>			
Paper - VI			
923A3	Military & Media		
923B3	Armed Conflict and Human Rights		
Paper – VII			
923C3	Disaster Management		
923D3	Global Security (I)		
Paper – VIII			
923E3	Indian Military Strategy (1857-1947)		
923F3	Indian Military Strategy (1630-1680)		
Paper-IX			
923G3	Regional Security System		
923H3	Strategic Environment Of Indian Ocean		