





**F.Y.B.Sc. students shall offer four of the following subjects : SUBJECT REFERENCE LIST (3)**

The following information is for the students: (विषयांची यादी परीक्षा-अर्जासोबत जोडू नये)

Students should write the Subject Name and Code Number they are appearing for, in the FORM at PAGE No.2.

DO NOT ATTACH the subject list mentioned below alongwith the Exam. Form.

Special Subject Codes & Subject Name	F.Y.B.Sc. old. (2008 Pattern) Subject Codes			F.Y.B.Sc. (Revised, 2013 Pattern)		
	Theory I Code	Theory II Code	Pract. III Code	Theory I Code	Theory II Code	Pract. III Code
11. (A) Mathematics	41110	41120	41130	71110	71120	71130
12. (B) Physics	41210	41220	41230	71210	71220	71230
13. (C) Chemistry	41310	41320	41330	71310	71320	71330
14. (D) Botany	41410	41420	41430	71410	71420	71430
15. (E) Zoology	41510	41520	41530	71510	71520	71530
16. (F) Geology	41610	41620	41630	71610	71620	71630
17. (G) Statistics	41710	41720	41730	71710	71720	71730
18. (H) Geography	41810	41820	41830	71810	71820	71830
19. (I) Microbiology	41910	41920	41930	71910	71920	71930
20. (J) General Psychology	42010	42020	42030	72010	72020	72030
21. (K) Stat. Techniques	42110	42120	42130	72110	72120	72130
22. (L) Electronics	42210	42220	42230	72210	72220	72230
23. (M) Defence & Strategic Studies	42310	42320	42330	72310	72320	72330
24. (N) Environmental Science	42410	42420	42430	72410	72420	72430
VOCATIONAL				VOCATIONAL		
56. Industrial Chemistry	45610	45620	45630	75610	75620	75630
57. Biotechnology	45710	45720	45730	75710	75720	75730
80. Photography & Audio-Visual Production	48010	48020	48030	78010	78020	78030
81. Electronics Equipment Maintenance	48110	48120	48130	78110	78120	78130
87. Computer Hardware & Administration Network	48710	48720	48730			
87. Computer Hardware & Network Administration				78710	78720	78730
89. Seed Technology	48910	48920	48930	78910	78920	78930
82. Ind. Microbiology	48210	48220	48230	78210	78220	78230

**F.Y.B.Sc. (BIOTECHNOLOGY)**

Sub. Code	Name of the Subject	( 2008 Pattern) Subject Code	(Revised 2013 Pattern) Subject Code
	Fundamentals of Chemistry (Theory)	44010	74010
	Fundamentals of Physics (Theory)	44020	74020
	Basic Biosciences (Theory)	44040	
	Basics of plant and animal sciences		74040
	Mathematics and Statistical (Theory)	44050	74050
	Methods for Biologists		
	Fundamentals of Biological Chemistry (Theory)	44060	74060
	Biophysics and Instrumentation (Theory)	44070	74070
	Microbiology (Theory)	44080	74080
	Use of Computers (Theory)	44090	
	Computers and applications		74090
	Techniques in Chemistry & Biochemistry (Practical)	44130	
	Practicals in chemistry & Biochemistry		74130
	Techniques in Physics, Biophysics & Instrumentation (Practical)	44230	74230
	Laboratory Exercises in Biosciences (Practical)	44330	74330
	Quantitative Methods in Biology (Practical)	44430	74430

<b>First Year B.Sc. ( Animation ) :-</b>	<b>(2012 Pattern Subject Code)</b>
<b>Theory Courses :-</b>	
1. Elements of Information Technology.	42510
2. Introduction to Programming Languages.	42520
3. Basics of Animation.	42530
4. Foundation Art.	42540
5. Computer Based 2D Animation.	42550
6. Multimedia & Computer Graphics.	42560
7. Introduction to 3D Animation & Modeling-I	42570
8. Introduction to Mass Communication & Media Literacy.	42580
<b>Practical Courses :-</b>	
9. Practical Course Paper-I based on Theory Paper-I & II.	42513
10. Practical Course Paper-II based on Theory Paper-III & IV.	42523
11. Practical Course Paper-III based on Theory Paper-V.	42533
12. Practical Course Paper-IV based on Theory Paper-VI & VII.	42543