



**Post Graduate Government College for Girls,
Sector 42, Chandigarh**

Affiliated to Panjab University, Chandigarh



NAAC Accredited 'A' Grade (CGPA – 3.21)

AISHE Code : C-29391

Internal Quality Assurance Cell (IQAC)



Prof. Lakhvir Singh
IQAC Coordinator

Prof. Nisha Aggarwal
Principal



0172-2676005

Office



0172-2676005

FAX



www.gcg42.ac.in



gcg42chd@yahoo.com

1.3.2 Average percentage of courses that include experiential learning through project work /field work/internship during last five years.

Syllabus of the Courses

Sr. No.	Particulars	Page No.
1.	B.Sc Biotech Honours	2-3
2.	B.A. Geography	4-5
3.	MSc. Botany	6-7
4.	B.A. Functional English	8-9
5.	P.G. Diploma in Guidance & Counselling	10-11
6.	M.A. Sociology	12-14
7.	M.Com	15-16
8.	M.Sc. Information Technology	17-18
9.	M.Sc. Microbial Biotech	19-20
10.	P.G. Diploma in Computer Application	21-22
11.	BCA	23-24

Nishe Jyoti
Principal
P.G. Govt. College for Girls
Sector-42, Chandigarh
♀

PANJAB UNIVERSITY CHANDIGARH- 160014 (INDIA)

(Estd. under the Panjab University Act VII of 1947-enacted by the Govt. of India)



FACULTY OF SCIENCE

SYLLABI

FOR

**B.Sc. (Hons.) Biotechnology (Semester System)
For the Colleges affiliated to Panjab University**

1st to 6th Semester

EXAMINATIONS 2021-22

--:O:--

Nisha Jassi
Principal
P.G. Govt. College for Girls
Sector-42, Chandigarh



B.Sc. (Hons.) 3rd year (5th Semester) (July 2021)

S.No.	Course/Paper	Code			
		Theory		Practical	
		Course No.	Marks	Course No.	Marks
1.	Molecular Biology	BIOT-501-T	75	BIOT-501-P	25
2.	Environmental Biotechnology	BIOT-502-T	75	BIOT-502-P	25
3.	Bioinformatics	BIOT-503-T	75	BIOT-503-P	25
4.	Enzymology	BIOT-504-T	75	BIOT-504-P	25
5.	Summer Training			BIOT-505-P	100

Total Marks = 500

B.Sc. (Hons.) 3rd year (6th Semester) (Jan 2022)

S.No.	Course/Paper	Code			
		Theory		Practical	
		Course No.	Marks	Course No.	Marks
1.	Genetic Engineering	BIOT-601-T	75	BIOT-601-P	25
2.	Bioprocess Engineering and Technology	BIOT-602-T	75	BIOT-602-P	25
3.	Food Biotechnology	BIOT-603-T	75	BIOT-603-P	25
4.	Genomics and proteomics	BIOT-604-T	75	BIOT-604-P	25
5.	Intellectual property rights and Ethical Issues in Biotechnology and Entrepreneurship	BIOT-605-T	100		

Total Marks = 500

Nisha Jassi
Principal
P.G. Govt. College for Girls
Sector-42, Chandigarh





PANJAB UNIVERSITY, CHANDIGARH-160014 (INDIA)
(Estd. under the Panjab University Act VII of 1947—enacted by the Govt. of India)

SYLLABI

FOR

B.A. & B.Sc. (GENERAL) THIRD YEAR (SEMESTER SYSTEM)
EXAMINATIONS, 2021-2022

(SEMESTER : FIFTH AND SIXTH)

i.e

Fifth Semester : November/December, 2021
Sixth Semester : April/May, 2022

--*--

© The Registrar, Panjab University, Chandigarh.
All Rights Reserved.

(i)

4

Nisha Jassi
Principal
P.G. Govt. College for Girls
Sector-42, Chandigarh

Q

Paper - XII: FIELD SURVEY BASED REPORT**Max. Marks: 30**

Time : 3 hours

- To acquaint the students with the importance of field work as one of the methodologies in geography.
- To familiarise the students about pre-field work and post-field work i.e. data processing and analysis and writing of field work report.

Distribution of Marks

i) Viva-Voce : 10 Marks

ii) Field Report: 20 Marks

- Fieldwork (Theory):**
- (i) Role of fieldwork in Geography.
 - (ii) Scale of study and fieldwork methodology.
 - (iii) Methods of collecting primary data : Observation, Interview and Questionnaire and Measurement.
 - (iv) Methods of field study of: a farm, a village, and a town. (20 lectures)

Note: The teachers should familiarize the students in the class before collection of primary data for preparation of field work.

Fieldwork (Practical): A field report of minimum 20 pages will be prepared based on primary data on problems such as (a) local market survey, (b) service area of school/ hospital; (c) traffic flow, and (d) socio-economic characteristics of student's village/ mohalla/ sector.

(25 lab. Sessions)

Note:

1. There will be no written paper for USOL and college students.
2. Practical exam at the respective colleges shall be conducted by one internal and one external examiner. The external examiner shall be appointed by the Principal of the respective colleges in consultation with the senior most teacher the Geography in the college.
3. Evaluation of Field Report will be done at the time of viva-voce examination. There will be no laboratory exercise at that time.
4. There will be no viva-voce examination for the candidates appearing through the USOL. They will be required to submit their Field Report with the University School of Learning (Department of Geography) at least 10 days before the commencement of their examination. Their Field Report will be evaluated by two examiners (including at least one from the USOL).
5. For the students of USOL there will be an internal assessment of 10 marks in lieu of the viva-voce examination in field report. The marks obtained by the candidate will be added to the marks awarded by the internal and external examiners evaluating the Field Report.
6. All students are required to submit a practical record based on theoretical component listed as fieldwork (theory)
7. A fresh field report shall be prepared by failed /improvement candidates.
8. For Practical classes, the number of students in one group shall not exceed fifteen.
9. There will be 3 hours of teaching per week for this paper.
10. For USOL, reappear/improvement candidate(s) who have not been assessed earlier for Internal Assessment, the question paper(s) in their case shall be of Maximum Marks allotted to the paper(s) concerned.

The paper setter must put note 10 in the question paper.

Nisha Jast
Principal
P.G. Govt. College for Girls
Sector-42, Chandigarh

PANJAB UNIVERSITY, CHANDIGARH

OUTLINES OF TESTS, SYLLABI

AND

COURSES OF READING FOR M. Sc. BOTANY

(TWO YEARS' COURSE)

SEMESTER SYSTEM

1ST TO 4TH SEMESTERS

EXAMINATIONS of 2020-21

Principal
P.G. Govt. College for Girls
Sector-42, Chandigarh



SECOND YEAR

3rd and 4th SEMESTERS

THIRD SEMESTER

PAPER	SUBJECT	THEORY Max. Marks	PRACTICAL Max. Marks
XI	- Molecular Biology	75 (60A+ 15 HT*)	25 (20+5HT*)
XII	- Plant Physiology	75 (60A+ 15 HT*)	25 (20+5HT*)
XIII	- Biotechnology	75 (60A+ 15 HT*)	25 (20+5HT*)
XIV	- Cytogenetics	75 (60A+ 15 HT*)	25 (20+5HT*)
XV	- Ecology and Environment	75 (60A + 15 HT*)	25 (20+5HT*)
Total Marks		375	125
GRAND TOTAL OF MARKS: 375 + 125 =		500	

TEACHING HOURS: THEORY: 18 Hours per week
 PRACTICAL: 16 Hours per week for a group of 10 students

HT* : House Test.

FOURTH SEMESTER

PAPER	SUBJECT	THEORY Max. Marks	PRACTICAL Max. Marks
XVI	- Plant Biochemistry	75 (60A+ 15 HT*)	25 (20+5HT*)
XVII	- Forestry	75 (60A+ 15 HT*)	25 (20+5HT*)
XVIII	- Genetics and Plant Breeding	75 (60A+ 15 HT*)	25 (20+5HT*)
XIX	- Plant Resource, Utilization and Conservation	75 (60A+ 15 HT*)	25 (20+5HT*)
XX -	A) Research Project/Field Study Report	---	60
	B) Seminar	---	40
Total Marks		300	200
GRAND TOTAL OF MARKS: 300 + 200 =		500	

TEACHING HOURS : THEORY : 18 Hours per week
 PRACTICAL: 16 Hours per week for a group of 10 students

HT* : House Test.

* The duration of each paper for the examination is 3 hours

Nisha Arora
Principal

P.G. Govt. College for Girls
Sector-42, Chandigarh

[Signature]

PANJABUNIVERSITY

Outlines of tests, syllabi and courses of reading in the subject of Functional English in Semester System (Vocational Undergraduate Level examination (2019-2020))

VOCATIONAL COURSES IN FUNCTIONAL ENGLISH AT THE UNDERGRADUATE LEVEL

Revised syllabus

1. Subject Title : Functional English (15 weeks/semester)
2. Objectives:

Optional course in functional English is a job-oriented course. Its main objective is to motivate fresh graduates to seek self appointment as well as to inculcate in them the spirit of entrepreneurship. The course is intended to break new grounds in teaching of purposeful Functional English thereby offering more scope in comparison to the existing Optional English courses at the undergraduate level. It aims at training enterprising youngsters in communication at various levels by providing proficiency in Speech Skills, Oral Skills, Writing Skills and Study skills. Additionally, being broad-based, it aims to make youngsters self-sufficient, self-reliant and confident so that they can opt for their own enterprise or take up employment in new upcoming areas.

3. Job Potentials:

A. Establish Private Enterprise like:

- a) Tutorial Centers
- b) Consultancy Services
- c) Human Resource centers for Service Industry
- d) Video Filming centers
- e) Small Radio Programme Production Centers
- f) Print and Graphic Art Centers

B. Seek Employment as:

- a) Interviewer with TV/Radio/Newspaper
- b) News Reader/Scriptwriter with TV/Radio/Newspaper
- c) Compere with TV/Radio
- d) Commentator with TV/Radio
- e) Announcer with TV/Radio
- f) Documentary Narrator/script writer with TV/Radio
- g) Feature Writer with Newspaper
- h) Receptionist (with Govt. such as Public Relations Dept. or with Private Sector such as Tourism Industry)
- i) Secretary (with similar to (h)).
- j) Desk officer/Office Assistant

Nishe Jyoti
Principal

P.G. Govt. College for Girls
Sector-42, Chandigarh

8

FUNCTIONAL ENGLISH

B.A.Part III

Semester V 12 periods per week including theory and Practical
Semester VI 12 periods per week including theory and Practical

Paper	Subject	Marks
Print Journalism:		
Semester V	Print Journalism I	70 (Theory)
	Print Journalism II	20 (Viva)
Office Communication for Business:		
Semester VI	Office Communication for Business I Office Communication for Business II	45 (Practical) 25 Viva 20 Training
On the job training : at one of the places given below	Total Marks	180

Visit to: Radio Station, Tutorial Academy., Any Service Industry Centre, T.V.Station,
Newspaper Office etc.

Nishe Jassi
Principal
P.G. Govt. College for Girls
Sector-42, Chandigarh



PANJAB UNIVERSITY, CHANDIGARH

SYLLABI

FOR

**POST GRADUATE DIPLOMA IN
GUIDANCE AND COUNSELLING
(Semester System)**

Examinations 2020-2021

Nisha Jassi
Principal
P.G. Govt. College for Girls
Sector-42, Chandigarh

Theory

The course consists of core components in theory of guidance and counseling processes and procedures and psychological assessments.

EVALUATION FOR CONTINUOUS ASSESSMENT

1. The twenty marks for internal evaluation shall be awarded by following criteria.
2. The following are the guidelines, mode of testing and evaluation for Continuous Internal Assessment of students. It may include written assignment, snap tests, participation in discussion in the class, term papers, attendance etc.
3. In order to incorporate an element of Continuous Internal Assessment of students, the Department will conduct one written test and one snap test and other activities as quantified below:

1. House Test	50 marks
2. Practicum	15 marks
3. Classroom Interaction	10 marks
4. Assignments	15 marks
5. Attendance	10 marks
Total : 100 (reduced to 25)	

Duration of Semester end examination for each course / paper will be of three hours.

Practical work

The course includes intensive training in practical / field work integrated with theory components.

Internship

The course has an input of two weeks' internship programme.

Details

Total no of papers is 6(100 marks each)

Total Marks 600 (100 X 6)

Nishe Jassi
Principal
P.G. Govt. College for Girls
Sector-42, Chandigarh

PANJAB UNIVERSITY, CHANDIGARH-160014 (INDIA)
(Estd. under the Panjab University Act VII of 1947—enacted by the Govt. of India)



FACULTY OF ARTS

SYLLABI

FOR

M.A. SOCIOLOGY (SEMESTER SYSTEM)

EXAMINATIONS, 2021-2022

--: 0 :-

© The Registrar, Panjab University, Chandigarh.
All Rights Reserved.

Nishe Arsl
Principal
P.G. Govt. College for Girls
Sector-42, Chandigarh

PANJAB UNIVERSITY, CHANDIGARH

OUTLINES OF TESTS, SYLLABI AND COURSES OF READINGS IN THE SUBJECT OF SOCIOLOGY,
SESSION 2021-22

SCHEME FOR OPTING COURSES

SEMESTER-I	
Course no.	Title
SOC R 411	History of Social Thought
SOC R 412	Sociology of Family and Gender
SOC R 413	Sociology of Development
SOC R 414	Social Stratification: Concepts & Theories
SEMESTER-II	
SOC R 425	Positivistic Sociological Theories
SOC R 439	Methods & Techniques in Social Research
SOC O 521	Population and Society
SOC O 621	Social Dimensions of Development
SOC O 721	Sociology of Urban Settlements
SOC O 821	Structural Moorings of Gender Oppression
SOC O 921	Peasants and Rural Society In India
SOC O 922	Organizational Theory and Behaviour
SOC O 923	Basic Social Statistics
SEMESTER-III	
SOC R 438	Interpretive Sociological Theories
SOC R 439	Methods & Techniques in Social Research
SOC O 532	Basic Methods in Population Studies
SOC O 632	Social Development in India
SOC O 633	Rural Development in India
SOC O 732	Problems of Urban India
SOC O 832	Family in Cross Cultural Perspective
SOC O 931	Sociology of Aging
SOC O 932	Organizational Structure and Development
SOC O 933	Sociology of Deviance: Concepts and Theories

Nishe Jassi
Principal
P.G. Govt. College for Girls
Sector-42, Chandigarh

- SOC O 934 Sociology of Crime
 SOC O 935/945 Dissertation (III and IV Semesters)*
 SOC O 936 Advanced Social Statistics
 SOC O 937 Sociology of Education

SEMESTER-IV

- SOC R 440 Perspectives on Indian Society
 SOC O 543 Determinants and Consequences of Population Growth
 SOC O 544/744 Sociology of Human Migration
 SOC O 644 Environmental Crisis and Sustainable Development
 SOC O 645 Entrepreneurship and Development
 SOC O 743 Cities, Urban Planning and Development
 SOC O 843 Family Dynamics in Contemporary India
 SOC O 844 Gender and Development
 SOC O 941 Fundamentals of Industrial Sociology
 SOC O 942 Social Problems
 SOC O 943 Political Sociology
 SOC O 944 Sociology of Marginalized Communities
 SOC O 945/935 Dissertation (IIIrd and IVth semesters)*
 SOC O 946 Media and Culture

There will be **two** categories of courses and each course will be of 4 credits.

- (1) SOC R level are **Required or Compulsory Courses**.
 (2) SOC O level are **Open Courses (including Dissertation)**.

The students will be required to complete 64 credit hour courses successfully in the total duration of four semesters. The break up of the credit hours is as follows:

Course Category	No. of Courses to be completed	Credits
1. Required or Compulsory Courses (SOC R level)	9	9x4= 36
2. Open Courses (SOC O level)	7	7x4= 28
	Total credits	64

Each student shall take up all four Required Courses in the First Semester. In the Second Semester, in addition to two Required Courses, each student shall opt for two Open Courses out of those offered in that particular Semester. In the Third Semester again, in addition to two Required Courses, each student shall opt for two Open Courses, out of those offered during that Semester, including Field Dissertation, depending upon his/her eligibility for the same. In the Fourth Semester, apart from one Required Course,

Nishu Jassi
 Principal
 P.G. Govt. College for Girls
 Sector-42, Chandigarh



PANJAB UNIVERSITY, CHANDIGARH-160014 (INDIA)

(Estd. under the Panjab University Act VII of 1947—enacted by the Govt. of India)

FACULTY OF BUSINESS MANAGEMENT & COMMERCE

SYLLABI

FOR

**M.COM. [SEMESTER SYSTEM]
EXAMINATIONS, 2017-18**

(For Regular College/University/USOL Students)

--: 0 :--

Nishe Jyoti

Principal

P.G. Govt. College for Girls
Sector-42, Chandigarh

SCHEME OF EXAMINATION

SEMESTER-I

Paper 1	M.C.101	MANAGERIAL ECONOMICS	100 Marks
Paper 2	M.C.102	QUANTITATIVE METHODS FOR BUSINESS	100 Marks
Paper 3	M.C.103	MODERN ACCOUNTING THEORY & REPORTING PRACTICES	100 Marks
Paper 4	M.C.104	ORGANISATION THEORY AND BEHAVIOUR	100 Marks
Paper 5	M.C.105	MARKETING MANAGEMENT	100 Marks
Paper 6	M.C.106	MANAGEMENT INFORMATION SYSTEM	100 Marks
Paper 7	M.C.107	WORKSHOP ON IT APPLICATIONS IN COMMERCE (For Regular Students Only)	100 Marks
	M.C.107 A	IT APPLICATIONS IN COMMERCE (For USOL Students Only)	100 Marks
		Total	<u>700 Marks</u>

SEMESTER-II

Paper 1	M.C.201	BUSINESS ENVIRONMENT	100 Marks
Paper 2	M.C.202	RESEARCH METHODOLOGY IN COMMERCE	100 Marks
Paper 3	M.C.203	FINANCIAL MANAGEMENT AND POLICY	100 Marks
Paper 4	M.C.204	PRODUCTION AND MATERIALS MANAGEMENT	100 Marks
Paper 5	M.C.205	OPERATIONS RESEARCH	100 Marks
Paper 6	M.C.206	BUSINESS POLICY & STRATEGIC MANAGEMENT	100 Marks
Paper 7	M.C.207	SUMMER TRAINING REPORT AND VIVA VOCE (For Regular College Students)	100 Marks
	M.C.207 A	ENTREPRENEURSHIP DEVELOPMENT AND PROJECT MANAGEMENT (For USOL Students Only)	100 Marks
		OR	100 Marks
	M.C.207 B	FINANCIAL SERVICES (For USOL Students Only)	<u>700 Marks</u>
		Total	

(ii)

Nisha Jindal
Principal
P.G. Govt. College for Girls
Sector-42, Chandigarh

PANJAB UNIVERSITY CHANDIGARH- 160014 (INDIA)

(Estded. under the Panjab University Act VII of 1947-enacted by the Govt. of India)



FACULTY OF SCIENCE SYLLABI FOR
M. Sc. INFORMATION TECHNOLOGY
(SEMESTER SYSTEM)

EXAMINATIONS 2020- 2021

--:O:--

Nishe Jassi
Principal
P.G. Govt. College for C
Sector-42, Chandigarh

A small, stylized handwritten mark or signature in blue ink, located to the right of the principal's name and address.

PANJAB UNIVERSITY, CHANDIGARH

Outlines of Tests, Syllabi and Courses of Reading for M. Sc. Information Technology (Two Year Degree Programme) for Session 2020- 2021.

FIRST YEAR					
FIRST SEMESTER					
Paper Code	Paper Name	Theory & Practical Lectures	Univ. Exam. Marks	Int. Exam. Marks	Exam. Hours
MS-66	Linux Administration and Programming	6	80	20	3
MS-61	Software Engineering	6	80	20	3
MS-62	Computer Algorithms	6	80	20	3
MS-42	Operating System Concepts	6	80	20	3
MS-63	Minor Project Based on 66	6	80	20	3
MS-64	Minor Project Based on 62	6	80	20	3
SECOND SEMESTER					
MS-45	Advance Java and Network Programming	6	80	20	3
MS-65	E- Commerce and Emerging Trends	6	80	20	3
MS-60	Advanced Database System and MySQL	6	80	20	3
MS-67	Artificial Intelligence	6	80	20	3
MS-27	SEMINAR	2	-	50	
MS-56	Minor Project Based on MS-45& MS-60	6	80	20	3
MS-68	Minor Project Based on MS-67	6	80	20	3
SECOND YEAR					
THIRD SEMESTER					
MS-32	.NET Framework and C#	6	80	20	3
MS-69	Theory of Computation	6	80	50	3
MS-39	Computer Graphics	6	80	20	3
MS-14	Systems Approach to Management and Optimization Techniques	6	80	20	3
MS-18	SEMINAR	2	-	50	
MS-33	Minor Project Based on MS-32	6	80	20	3
MS-59	Minor Project Based on MS- 39	6	80	20	3
FOURTH SEMESTER					
MS-21	Major Project		320	80	

The project period will be of 6 months duration.

The project will involve development of application/system software in industrial/commercial/ scientific environment

Nishe Arsl
Principal
P.G. Govt. College for Girls
Sector-42, Chandigarh

[Signature]

Department of Microbial Biotechnology (DMBT)

Panjab University
Chandigarh

Syllabus: 2021-2022 (M. Sc.)

Nishe Jassi
Principal
P.G. Govt. College for Girls
Sector-42, Chandigarh

Suggested Readings:

1. Real-time PCR, M. Tevfik Dorak (ed.) (2006). Publisher: Taylor & Francis Group. ISBN: 0-203-96731-3 (Master e-book)/ 0-4153-7734-X(Print Edition). For recent updates on detection, instrumentation and application of quantitative PCR, refer to the websites of the major QPCR reagent and instrument providers
2. Disease information and advisory websites <http://www.who.int/en/>; <http://www.cdc.gov/>; <http://www.keelpno.gr/>; <http://www.ncdc.gov.in/>
3. Vasquez M, Hallam SJ, Raoult D and Abrahão J (Eds). (2016). Megaviromes [Special Section]. Current Opinion in Microbiology, 31:1-234 (ISSN 1369-5274)
4. Bio-Medical Waste Management Rules, 2016 and the amendments thereof. Ministry of Environment, Forest and Climate Change, Government of India. [Published in the Gazette of India, Extraordinary, Part II, Section 3, Sub-section (i)]
5. Laboratory Biosafety Manual. (2004). Publisher: World Health Organization, Geneva; 3rd edition. ISBN 92 4 154650
6. Biological Safety: Principles and Practices. Editors: Dawn P. Wooley and Karen B. Byers (2017). Publisher: American Society for Microbiology Press. ISBN : 9781555816209
7. <http://www.dbtindia.nic.in/> (Policies and Regulations regarding Bio-Medical Waste Management)
8. <https://www.fda.gov/patients/learn-about-drug-and-device-approvals/drug-development-process> (Drug development process)
9. https://ethics.ncdirindia.org/ICMR_Ethical_Guidelines.aspx (ICMR Bioethics guidelines)
10. Journals: Biotechnology Advances; Current opinion in Microbiology; Nature Biotechnology; Analytical chemistry; Critical reviews in Biotechnology; Critical reviews in Microbiology

MBT-401: Seminar and Journal Club

Total Marks: 100 (Exam-80 + Int. Asses.-20)

Objective: This course will help the students to know the type of research going on in various countries. It will also help the students in preparing, delivering and defending a 'talk'.

The Internal assessment will be made from the attendance and the interaction of the student during the seminars and tutorials.

Students will be asked to deliver a talk on current issues pertaining to Microbiology, Biotechnology and other important topics. Some guest lectures will be arranged.

MBT-402: Dissertation and Viva

Total Marks: 400 (Dissertation: 300 + Viva: 100)

Objective: To prepare the students as how to carry out independent research work

Each student will be given an independent research project. The evaluation will be based on the presentations, knowledge of the topic of research, quality of the compiled Dissertation.



PANJAB UNIVERSITY, CHANDIGARH-160014 (INDIA)
(Estd. under the Panjab University Act VII of 1947 — enacted by the Govt. of India)

FACULTY OF SCIENCE

SYLLABI

FOR

BACHELOR OF COMPUTER APPLICATIONS (B.C.A)

(SEMESTER SYSTEM)

PART-I, II, III

FOR

2021 – 2022 SESSIONS

--: 0 :--

© The Registrar, Panjab University, Chandigarh.
All Rights Reserved.

Nisha Joshi
Principal
P.G. Govt. College for Girls
Sector-42, Chandigarh

A handwritten signature in blue ink, likely belonging to the Principal, Nisha Joshi.

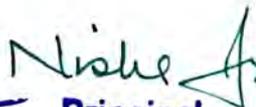
Bachelor of Computer Applications Semester – V

Paper Code	Title	L	T	P	Total	Int	Ext	Total	Exam. Duration	Credits
BCA-16-501	Computer Networks	6	-	-	6	10	65	75	3 Hrs	3
BCA-16-502	Discrete Mathematical Structure	6	1	-	7	10	65	75	3 Hrs	3
BCA-16-503	Java Programming	6	-	-	6	10	65	75	3 Hrs	3
BCA-16-504	Web Application Development using PHP	6	-	-	6	10	65	75	3 Hrs	3
BCA-16-505	Lab based on BCA-16-503	-	-	6	6	-	50	50	4 Hrs	2
BCA-16-506	Lab based on BCA-16-504	-	-	6	6	-	50	50	4 Hrs	2
		24	1	12	37	40	360	400		16

Bachelor of Computer Applications Semester – VI

Paper Code	Title	L	T	P	Total	Int	Ext	Total	Exam. Duration	Credits
BCA-16-601	E-Commerce	6	-	-	6	10	65	75	3 Hrs	3
BCA-16-602	Application Development using VB.Net	6	-	-	6	10	65	75	3 Hrs	3
BCA-16-603	Computer Graphics and Multimedia Applications	6	-	-	6	10	65	75	3 Hrs	3
BCA-16-604	Lab based on BCA-16-603	-	-	6	6	-	50	50	4 Hrs	2
BCA-16-605	Major Project and Seminar	-	-	12	12	10	115	125		5
	Total	18	-	18	36	40	360	400		16

* This is a compulsory qualifying paper, which the students have to study in the B.A./B.Sc./B.Com./B.C.A.1st year. The students are required to qualify this paper either in the first year, second year and third year of the course. The examination will be conducted by the University.


Principal
P.G. Govt. College for Girls
Sector-42, Chandigarh

PANJABUNIVERSITY CHANDIGARH- 160 014 (INDIA)

(Etted. under the Panjab University Act VII of 1947-enacted by the Govt. of
India)



FACULTY OF SCIENCE

SYLLABI FOR

POSTGRADUATE DIPLOMA

IN

COMPUTER APPLICATIONS

FOR

**EXAMINATIONS 2020-21
(SEMESTER SYSTEM)**

--:O:-

Nishe Jassi
Principal
P.G. Govt. College for Girls
Sector-42, Chandigarh



Outline of the Syllabi and Courses for Post Graduate Diploma in Computer Applications for Examination (Semester System).

FIRST YEAR (SEMESTER –I)

Paper Code	Paper Name	Lecture	Tutorial	Practicals/Weeks	Exam. Marks	Int.Ass. Marks	Total Marks	Exam Hours
PGD-1101	Computer Fundamentals	5	1	0	60	15	75	3
PGD-1102	Computer Programming using C	5	1	0	60	15	75	3
PGD-1103	DataBase Management System	5	1	0	60	15	75	3
PGD-1104	Data Communications and Networks	5	1	0	60	15	75	3
PGD-PR-1105	Lab1 (Based on PGD-1101 & PGD-1102)	0	0	9	60	15	75	3
PGD-PR-1106	Lab2 (Based on PGD-1103)	0	0	9	60	15	75	3,
TOTAL PERIODS =42					TOTAL MARKS = 450			

FIRST YEAR (SEMESTER –II)

Paper Code	Paper Name	Lecture	Tutorial	Practical s/weeks	Exam. Marks	Int.Ass. Marks	Total Marks	Exam Hours
PGD-2101	Object Oriented Concepts Using JAVA	5	1	0	60	15	75	3
PGD-2102	Web Technologies	5	1	0	60	15	75	3
PGD-2103	Software Engineering	5	1	0	60	15	75	3
PGD-2104	Computer Based Accounting	5	1	0	60	15	75	3
PGD-PR-2105	Lab3 (Practical based on PGD-2101)	0	0	9	60	15	75	3
PGD-PR-2106	Lab4 (Practical based on PGD-2102)	0	0	9	60	15	75	3
PGD-2107	Project Work : Project will involve Development of Business Application / Web Site	0	0	6	0	–	100	-
TOTAL PERIODS =48					TOTAL MARKS = 550			

Note: Pass Marks 40% marks in Theory, Internal Assessment, and Practical separately.
50% marks for Project Work.
50% marks in Aggregate to qualify the examinations.


 Principal
 P.G. Govt. College for Girls
 Sector-42, Chandigarh