

INDIRA GANDHI UNIVERSITY, MEERPUR, REWARI

M.Sc. Geography Programme

General Instructions

SCHEME OF EXAMINATION AND COURSE STRUCTURE

Based on Choice Based Credit System (CBCS)

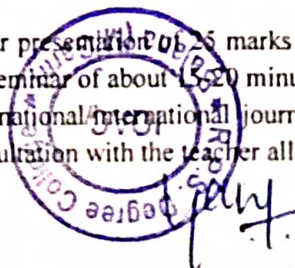
M.Sc. Geography programme shall be of two years duration spread over four semesters. Each Semester shall consist of Core Courses (compulsory courses) of 4 credits each, Lab Courses (compulsory courses) of 4 credits each and a group of two to three Discipline Centric Elective Courses (DCEC) of 4 credits each, out of which the students have to select any one course. The Discipline Centric Elective Courses/papers shall be provided by the department according to its administrative and academic convenience. Foundation Course (FC) compulsory for all programmes including geography, as decided by the university is Communication Skills and Personality Development, shall be offered to all students of the Department in 2nd semester and shall be of 2 credits. As decided by the university students will have to opt an Open Elective Course (OEC) of 3 credits each during 3rd semesters out of a pool of OECs (except the course offered by department of geography to the students of other disciplines). In addition to this a compulsory course on Computer Applications of four credits (100 Marks with the bifurcation 60 marks theory and 40 marks practical) shall be compulsory in 1st Semester.

The medium of instructions shall be both English and Hindi. The duration of examination for theory and Lab courses shall be of three and four hours respectively. Lab course examination shall be conducted by a Board of Examiners consisting of either both the external examiners or the internal and external examiners, as the case may be. The Chairperson, Department of Geography shall appoint the examiners, with the consent of Vice-Chancellor, out of the panel of examiners recommended by the P.G. Board of Studies and Research in Geography. The marks for each core course and discipline centric elective course shall be 100 bifurcated in the ratio of 80:20, i.e. 80 marks for Theory Paper and 20 marks for Internal Assessment irrespective of the credits assigned to it. Each Lab course will be of 50 marks (Lab work record 10, Lab work test 30 and viva-voce 10). The Internal Assessment in each course/paper shall be based on two assignments of 05 marks each (10 marks) , Assignment/Presentation 5 marks and attendance 5 marks as per the criteria mentioned in the CBCS ordinance. However, the distribution of the weightage of marks in the "internal assessment" and the minimum percentage of marks to pass the end semester examination in each semester shall be as per the laid down norms/relevant ordinance of the University adopted from time to time.

Besides all above two additional courses of compulsory nature on Seminar/Journal Club and Self Study Paper of 1 credit point (25 marks) each in all the four semesters will have to be studied by the students on their own under the guidance and supervision of faculty members. Details of these courses are as under.

1. Seminar/ Journal Club

In each semester there will be a course/paper on seminar presentation of 25 marks with 01 credit. In this course/paper, each student will be required to present a seminar of about 15-20 minutes on the theme/topic such as review of research paper/article published in national/international journals in his/her area of interest. The topic will be selected by the student in consultation with the teacher allotted to him/her by the department.



Department of Geography

M.Sc. Geography

Semester – I

Course structure for M. Sc. Program in Geography under Choice Based Credit System (CBCS)

w.e.f. Session : 2019-20

Core Courses (CC)

Sr. no.	Course Code	Nomenclature of the course	Credits				Contact hrs/week	Maximum Marks			
			L	T	P	Total		T h	IA	P	Total
1	GEOG101	Climatology	4	0	0	4	4	80	20	0	100
2	GEOG102	Geomorphology	4	0	0	4	4	80	20	0	100
3	GEOG103	Advance Geography of India	4	0	0	4	4	80	20	0	100
4	GEOG104	Computer Applications	2	0	2	4	6	60	00	40	100
5	GEOG105	Seminar/Journal Club				1	-	-	-	-	25
6	GEOG106	Self Study Paper				1	-	-	-	-	25
7	GEOG107	Lab Course-1 : Study and Interpretation of Topographical sheets	0	0	4	4	8	-	-	50	50
8	GEOG108	Lab Course-2 : Climatology and Geomorphology	0	0	4	4	8	-	-	50	50

Discipline Centric Elective courses (DCEC) : One course from each group.

Group – A

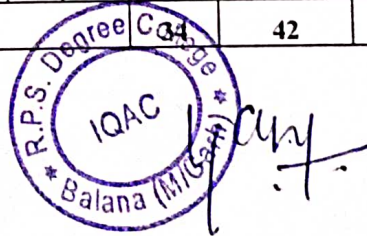
9	GEOG109	Urban Geography	4	0	0	4	4	80	20	0	100
10	GEOG110	Rural Geography	4	0	0	4	4	80	20	0	100

Group – B

11	GEOG111	Resource Geography	4	0	0	4	4	80	20	0	100
12	GEOG112	Cultural Geography	4	0	0	4	4	80	20	0	100
Total							42				750

Total Credits : 34

Total Contact hours per week : 42



Indira Gandhi University, Meerpur (Rewari)
Scheme of Examination
M.Sc. Mathematics
Under Choice Based Credit System
w.e.f. Session 2019-20

Semester-I

Core Courses

Course Code	Title of the Course	Theory Marks	Internal Marks	Practical Marks	Credits L:T:P	Contact hrs per week	Total Credits
MAT-101	Abstract Algebra	80	20	-	4:0:0	4	4
MAT-102	Mathematical Analysis	80	20	-	4:0:0	4	4
MAT-103	Ordinary Differential Equations	80	20	-	4:0:0	4	4
MAT-104	Complex Analysis	80	20	-	4:0:0	4	4
MAT-105	Mathematical Statistics	80	20	-	4:0:0	4	4
MAT-106	Computer Applications	60	-	40	2:0:2	6	4
MAT-107	Mathematical Lab-I	-	-	50	0:0:2	4	2
MAT-108	Seminar	-	-	25	-	-	1
MAT-109	Self Study Paper	-	-	25	-	-	1

Total Credits : 28

Total Contact Hours per Week : 30

Max Marks : 700

Note: The criteria for awarding internal assessment of 20 marks for each paper shall be as under :

- | | |
|-----------------------------------|------------|
| (i) Sessional test | : 10 marks |
| (ii) Assignment/Presentation | : 5 marks |
| (iii) Attendance | : 5 marks |
| <i>Less than 65%</i> | : 0 marks |
| <i>65% and above but upto 70%</i> | : 2 marks |
| <i>Above 70% but upto 75%</i> | : 3 marks |
| <i>Above 75% but upto 80%</i> | : 4 marks |
| <i>Above 80%</i> | : 5 marks |



INDIRA GANDHI UNIVERSITY, MEERPUR
M.Sc. Physics (Two year Course)
Choice Based Credit System

Scheme of Examination
Session 2019-20

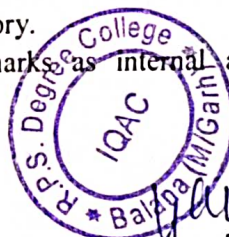
M.Sc. 1st Semester

Paper Code	Type of Course	Nomenclature	Contact Hours Per Week (L+T+P)	Credit	Examination Scheme			Total
					Theory	Internal Assessment	Practical	
PHY - 101	C.C	Mathematical Physics	4+0+0=04	04	80	20		100
PHY - 102	C.C	Classical Mechanics	4+0+0=04	04	80	20		100
PHY - 103	C.C	Quantum Mechanics -I	4+0+0=04	04	80	20		100
PHY - 104	C.C	Electronic Devices	4+0+0=04	04	80	20		100
PHY - 105	C.C	Practical General	0+0+12=12	06			100	100
PHY - 106	C.C	Practical Electronics	0+0+12=12	06			100	100
PHY - 107		Seminar	01	01				25
PHY - 108		Self Study Paper	01	01				25

CC = Core Course DCEC = Discipline Centric Elective Course FEC = Foundation Elective Course

Note:

- Maximum marks of M.Sc. 1st semester will be 650.
- All papers in M.Sc. 1st semester are mandatory.
- Each theory paper will include 20% marks as internal assessment as per University rules.
- Total credits = 30



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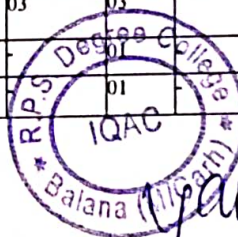
INDIRA GANDHI UNIVERSITY, MEERPUR, REWARI
Scheme of Examination for M.Sc. Chemistry

Marks = 700

Semester-I

Credits = 31

Paper Code	Subjects	Type of Course	Contact Hours Per Week			Credits			Examination Scheme			Total
			Theory	Practical	Total	Theory	Practical	Total	Theory	Internal Assessment	Practical	
CHE-101	Inorganic Chemistry-I (Chemistry of Transition Metals)	C.C	04	--	04	04	--	04	80	20		100
CHE-102	Physical Chemistry-I (Principles of Physical Chemistry)	C.C	04	--	04	04	--	04	80	20		100
CHE-103	Organic Chemistry-I (Conceptual Organic Chemistry & Stereochemistry)	C.C	04	--	04	04	--	04	80	20		100
Discipline Centric Elective Course (Any Two)												
CHE-104	Biology for Chemists & Mathematics for Chemists	DCEC	04	--	04	04	--	04	80	20		100
CHE-105	Statistical Techniques & Its Applications	DCEC	04	--	04	04	--	04	80	20		100
CHE-106	Sustainable and Green Chemistry	DCEC	04	--	04	04	--	04	80	20		100
CHE-107	Practical-I Inorganic Chemistry	C.C	--	02X03	06	--	03	03			50	50
CHE-108	Practical-II Physical Chemistry	C.C	--	02X03	06	--	03	03			50	50
CHE-109	Practical-III Organic Chemistry	C.C	--	02X03	06	--	03	03			50	50
CHE-110	Seminar		--	--	01	--	--	01				25
CHE-111	Self Study Paper		--	--	01	--	--	01				25



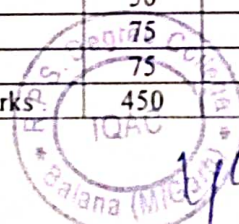
Scheme of Examination
B. Sc. (Hons.) Physics Semester-V & VI for the sessions 2018-19

Semester-V

Paper No.	Title	Periods Per week	Total Marks	Internal Assessment	Max. Marks
Phy-501	Mathematical Physics V	3	50	10	40
Phy-502	Electro-magnetic Theory-I	3	50	10	40
Phy-503	Statistical Physics-I	3	50	10	40
Phy-504	Physics of Materials -I	3	50	10	40
Phy-505	Electronics Devices: Physics and Application -I	3	50	10	40
Phy-506	Any one of the following (a) Nano Technology (b) Environmental Physics	3	50	10	40
		3	50	10	40
Phy-507	Physics Lab. V	6	75	--	75
Phy.508	Physics Lab.VI And Project	6	75	--	75
Total Marks			450		

Semester-VI

Paper No.	Title	Periods Per week	Total Marks	Internal Assessment	Max. Marks
Phy-601	Mathematical Physics VI	3	50	10	40
Phy-602	Electro-magnetic Theory-II	3	50	10	40
Phy-603	Statistical Physics-II	3	50	10	40
Phy-604	Physics of Materials -II	3	50	10	40
Phy-605	Electronics Devices: Physics and Application -II	3	50	10	40
Phy-606	Any one of the following (a) Nano Technology (b) Environmental Physics	3	50	10	40
		3	50	10	40
Phy-607	Physics Lab. VII	6	75	---	75
Phy.608	Physics Lab.VIII And Project	6	75	---	75
Total Marks			450		

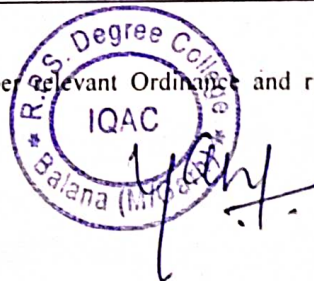

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NEW SCHEME

Scheme of Examination of **B.Sc. (Honours) Mathematics, Semester-I** (w.e.f. 2018-2019)

Paper Code	Title of the paper	Teaching Hours	Max. Marks			
			Theory	Internal Assessment	Practicals	Total Marks
BHM 111	Algebra	4 Hours/week	60	15	-	75
BHM 112	Calculus	4 Hours/week	60	15	-	75
BHM 113	Solid Geometry	4 Hours/week	60	15	-	75
BHM 114	Discrete Mathematics-I	4 Hours/week	60	15	-	75
BHM 115	Opt(i) : Descriptive Statistics	4 Hours/week	60	15	-	75
	Opt(ii) : Chemistry -I	4 Hours/week				
BHM 116	Opt(i) : Computer Fundamentals and MS-OFFICE	4 Hours/week	60	15	-	75
	Opt(ii) : Physics -I	4 Hours/week				
BHM 117	Practicals/ Computational work based on Paper BHM115	4 Hours/week			25	25
BHM 118	Practicals/ Computational work based on Paper BHM116	4 Hours/week			25	25
BHM 119	English-I	4 Hours/week	60	15	-	75
Total marks of Semester-I						575

Note : The other conditions will remain the same as per relevant Ordinances and rules and regulations of the University.



SCHEME OF EXAMINATION FOR B.Sc. (HONS) IN CHEMISTRY
w.e.f. 2016-17 onwards

B.Sc. Ist (Hons.) Ist Semester

Paper No.	Code No.	Nomenclature of the Paper	Hours	Maximum Marks		Exam duration
				Written	I.A.	
I	CH (H) -101	Inorganic Chemistry(Theory)	45	40	10	3 hrs.
II	CH (H) -102	Physical Chemistry(Theory)	45	40	10	3 hrs.
III	CH (H) -103	Organic Chemistry(Theory)	45	40	10	3 hrs.
IV	CH (H) -104	Optional Paper-I	45	40	10	3 hrs.
V	CH (H) -105	Optional Paper-II	45	40	10	3 hrs.
VI	CH (H) -106	English	45	40	10	3 hrs.
VII,VIII,IX	CH(H)-107,108,109	Practicals	60 each	50+50+50		3+3+3 hrs.
X,XI	CH(H) - 110,111	Practicals(optional papers)	60 each	50+50		3+3 hrs.

Total marks of B.Sc. Ist Semester =550 (500 if Math as optional)

B.Sc.Ist (Hons) IInd Semester

Paper No.	Code No.	Nomenclature of the Paper	Hours	Maximum Marks		Exam duration
				Written	I.A.	
XII	CH (H) -201	Inorganic Chemistry(Theory)	45	40	10	3 hrs.
XIII	CH (H) -202	Physical Chemistry (Theory)	45	40	10	3 hrs.
XIV	CH (H) -203	Organic Chemistry (Theory)	45	40	10	3 hrs.
XV	CH (H) -204	Optional Paper-I	45	40	10	3 hrs.
XVI	CH (H) -205	Optional Paper-II	45	40	10	3 hrs.
XVII	CH (H) -206	English	45	40	10	3 hrs.
XVIII, XIX,XX	CH (H) -207,208,209	Practicals	60each	50+50+50		3+3+3 hrs.
XXI,XXII	CH (H)- 210,211	Practicals (optional papers)	60 each	50+50		3+3 hrs.

Total marks of B.Sc. IInd Semester =550 (500 if Math as optional)

INDIRA GANDHI UNIVERSITY, MEERPUR, REWARI

Scheme of Examination for M.Sc. Zoology

Semester-I

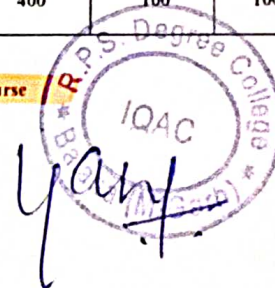
Credits = 32

Marks = 650

Paper Code	Subjects	Type of Course	Contact Hours Per Week			Credits			Examination Scheme			Total
			Theory	Practical	Total	Theory	Practical	Total	Theory	Internal Assessment	Practical	
ZOO101	Diversity of Invertebrates	CC	04	--	04	04	--	04	80	20		100
ZOO102	Cell Biology	CC	04	--	04	04	--	04	80	20		100
ZOO103	Fundamentals of Data Analytics	CC	04	--	04	04	--	04	80	20		100
Discipline Centric Elective Course (Any Two)												
ZOO104	Cytogenetics	DCEC	04	--	04	04	--	04	80	20		100
ZOO105	Biomolecules and Metabolism	DCEC	04	--	04	04	--	04	80	20		100
ZOO106	Tools & Techniques	DCEC	04	--	04	04	--	04	80	20		100
ZOO107	Lab Course-I (Based on ZOO 101-103)	CC	--	04×03	12	--	02×03	06	-		50	50
ZOO108	Lab Course-II (Based on ZOO 104-106)	CC	--	04×02	08	--	02×02	04	-		50	50
ZOO109	Seminar/Journal club	CC	--	--	--	-	-	01	-		-	25
ZOO110	Self Study Paper	CC	--	--	--	-	-	01	-		-	25
Total			20	20	40	20	10	32	400	100	100	650

CC = Core Course

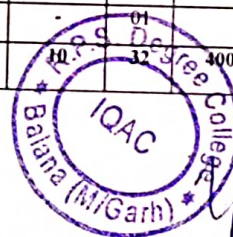
DCEC = Discipline Centric Elective Course



Paper Code	Subjects	Type of Course	Contact Hours Per Week			Credits			Examination Scheme			Total
			Theory	Practical	Total	Theory	Practical	Total	Theory	Internal Assessment	Practical	
BOT 101	Cell Biology	C.C.	04	--	04	04	--	04	80	20		100
BOT 102	Virology, Bacteriology and Mycology	C.C.	04	--	04	04	--	04	80	20		100
BOT 103	Fundamentals of Data Analytics	C.C.	04	--	04	04	--	04	80	20		100
BOT 104	Cryptogamic Botany	C.C.	04	--	04	04	--	04	80	20		100
Discipline Centric Elective Course (Any one)												
BOT 105	Tools & Techniques	D.C.E.C.	04	--	04	04	--	04	80	20		100
BOT 106	Soil Science, Energy & Environment	D.C.E.C.	04		04	04		04	80	20		100
Lab Courses												
BOT 107	Lab Course-I (Based on BOT101-103)	C.C.	-	04×03	12	-	02×03	06			50	50
BOT 108	Lab Course-II (Based on BOT104, 105/106)	C.C.	-	04×02	08	-	02×02	04			50	50
BOT 109	Seminar	C.C.	-			-		01				25
BOT 110	Self Study Paper	C.C.	-			-		01				25
Total			20	20	40	20		32	400	100	100	650

C.C = Core Course

D.C.E.C = Discipline Centric Elective Course

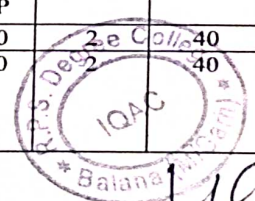


M.COM- 2 YEARS PROGRAMME
SCHEME OF EXAMINATION
FIRST SEMESTER (w.e.f. Academic Session 2019-20)

Sr. No.	Course Code	Nomenclature of the Course	Type of Course	Contact Hours Per Week			Credits	External marks	Internal Marks	Total Marks
				L	T	P				
1	MC-101	Management Accounting	CC	4	1	0		80	20	100
2	MC-102	Management Concept & Organisational Behaviour	CC	4	1	0	5	80	20	100
3	MC-103	Managerial Economics	CC	4	1	0	5	80	20	100
4	MC-104	Statistical Analysis For Business	CC	4	1	0	5	80	20	100
5	MC-105	Human Resource Management	CC	4	1	0	5	80	20	100
6	MC-106	Current Affairs in Commerce	CC	4	0	0	5	80	20	100
7	MC-107	Seminar	CC			2	4	00	25(P)	25
8	MC-108	Self Study Paper	CC			2	1	25(P)	00	25
9		Foundation ^{##} Elective	FEC	2		0	1	40	10	50
		Total		26	5	4	2			700
							33			

During first semester, the students will be offered a foundation course of two credits. They will have a choice to select either 'value education' or 'Communication Skills and Personality Development' as given below:

S.No	Course	Nomenclature of Paper	Type of Course	Contact Hours Per Week			Credits	External Marks Theory	Internal Marks	Total Marks
				L	T	P				
1	FEC-1	Value Education	FEC	2	0	0	2	40	10	50
2	FEC-2	Communication Skills and Personality Development	FEC	2	0	0	2	40	10	50


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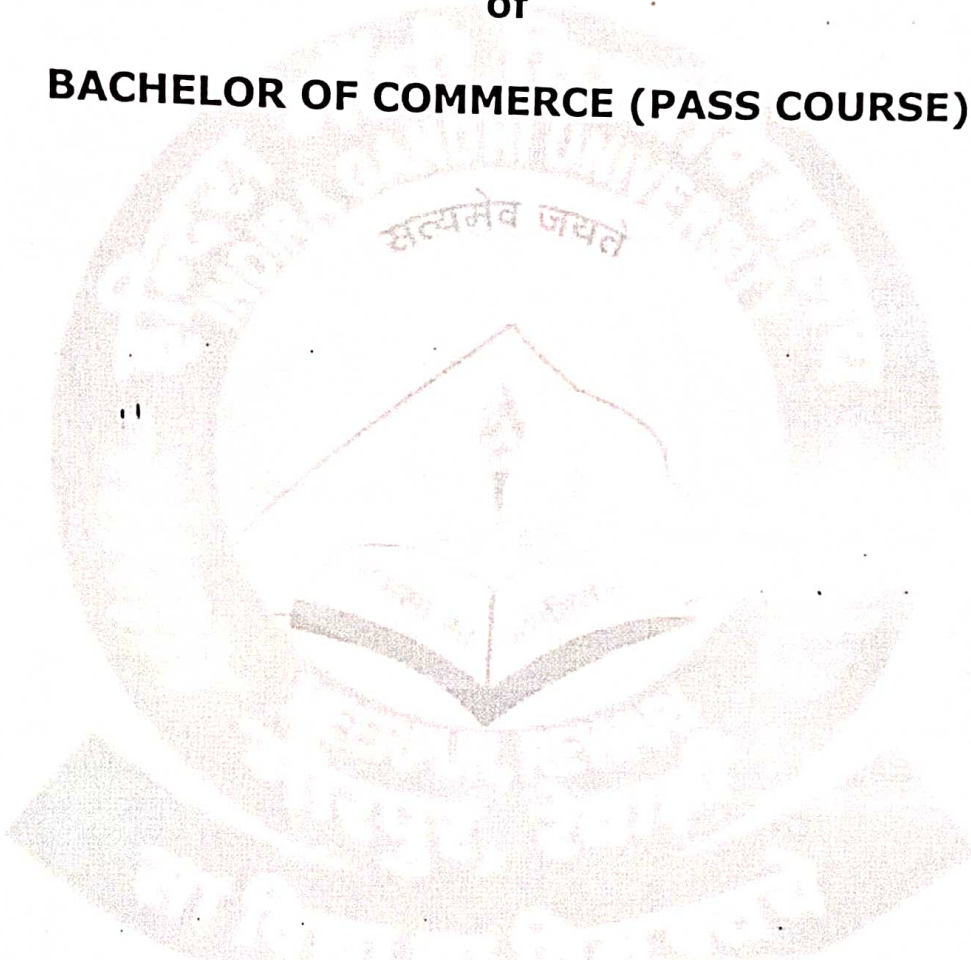
SCHEME OF EXAMINATION

&

SYLLABI

of

BACHELOR OF COMMERCE (PASS COURSE)



**INDIRA, GANDHI UNIVERSITY MEERPUR, REWARI
(HARYANA)**



B.Com-II (Pass Course)
Scheme of Examinations & Syllabi w.e.f. session 2017-18

B.Com-II -IIIrd Semester

S.No.	Nomenclature of the Paper	Theory Marks	Internal Assessment	Total Marks	Time
3.01	Corporate Accounting-I	80	20	100	3 Hrs.
3.02	Business Statistics-I	80	20	100	3 Hrs.
3.03	Business Regulatory Framework-I	80	20	100	3 Hrs.
3.04	Corporate Law-I	80	20	100	3 Hrs.
3.05	Human Resource Management	80	20	100	3 Hrs.
3.06	Optional (Any one from the followings)	80	20	100	3 Hrs.
	i. Fundamental of Insurance				
	ii. Basics of Retailing				
	iii. Production Management				
	iv. Computer: Application of Information Technology in Business -I				

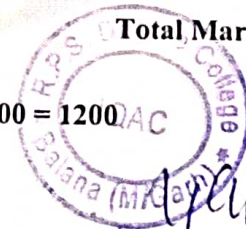
Total Marks = 600

B.Com-II -IVth Semester

S.No.	Nomenclature of the Paper	Theory Marks	Internal Assessment	Total Marks	Time
4.01	Corporate Accounting-II	80	20	100	3 Hrs.
4.02	Business Statistics-II	80	20	100	3 Hrs.
4.03	Business Regulatory Framework-II	80	20	100	3 Hrs.
4.04	Corporate Law-II	80	20	100	3 Hrs.
4.05	Marketing Management	80	20	100	3 Hrs.
4.06	Optional (Any one from the followings)	80	20	100	3 Hrs.
	i. Business Ethics				
	ii. Banking and Banking Law				
	iii. Secretarial Practices				
	iv. Computer: Application of Information Technology in Business -II				

Total Marks = 600

Total Marks of IInd Year (3rd and 4th Semester) = 600 + 600 = 1200



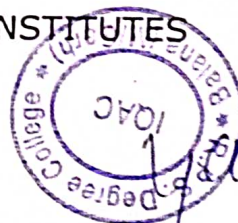
INDIRA GANDHI UNIVERSITY, MEERPUR
(A State University established under Haryana Act No. 29 of 2013)



ADMISSION BROCHURE
2019- 2020

For Admission to

**UNDER-GRADUATE, POST-GRADUATE,
CERTIFICATE/DIPLOMA AND OTHER
PROFESSIONAL COURSES
IN
THE AFFILIATED COLLEGES/INSTITUTES**



IGU Prospectus for Affiliated Colleges

studied/passed as deficient subject(s) along with remaining subject(s)/paper(s) of Part II and Part III as the case may be.

Subject Combination for B.A and B.Sc. Part-I,II and III.

B.A Part- I, II & III					
Compulsory Subjects	Elective Subjects				
English , Hindi Sanskrit or Additional English	Group-I	Group-II	Group-III	Group-IV	Group-V
	Defence Studies	Mathematics	Political Science	Geography	Psychology
	Hindi	Public Administration	Physical Education	Home Science	History
	Sanskrit	Music (Vocal)	Statistics	Philosophy	
	Urdu	Sociology	Art	Music (Instrumental)	
	Punjabi			Marketing	
	Economics				
	Computer Application				
	Commerce				
	Applied Art				
Journalism & Mass Comm.					
B.Sc. Part- I, II & III					
Compulsory Subjects					
English				for B.Sc. Part I only	
Hindi/Punjabi/Sanskrit/Urdu/Additional English				for B.Sc. Part II	
Group I		Group II		Group III	
Mathematics		Physics		Chemistry	
Botany		Zoology		Computer Science	
				Information Technology	
				Electronics	
				Statistics	
				Geology	

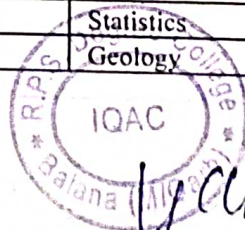
Medical Group

Botany, Zoology & **Chemistry/Geology**

Non Medical Group

Mathematics, Physics & **anyone from Group III**

Computer Science, Statistics & Mathematics (CSM)



CONTENTS

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