CRITERIA I : CURRICULAR ASPECTS

1.2.1: PERCENTAGE OF PROGRAMMES IN WHICH CHOICE BASED CREDIT SYSTEM (CBCS)/ ELECTIVE COURSE SYSTEM HAS BEEN IMPLEMENTED

LIST OF PROGRAMS IN WHICH CBCS/ ELECTIVE COURSE SYSTEM IMPLEMENTED

JAGANNATH INTERNATIONAL MANAGEMENT SCHOOL

Vasant Kunj, New Delhi - 110070

(Affiliated to Guru Gobind Singh Indraprastha University, New Delhi)
Recognized u/s 2(f) by UGC & Accredited with 'A' Grade by NAAC
Participant of UNGC & UNPRME, New York
ISO 9001:2015 Quality Certified

1.2.1 Percentage of Programmes in which Choice Based Credit System (CBCS)/ elective course system has been implemented

Choice Based Credit System (CBCS)/elective course system has been implemented as per the policy decision of the affiliating university. The college has to follow the syllabus and curriculum set by the university.

Programme Code	Programme name	Year of Introduction	Status of implementation of CBCS / elective course system (Yes/No)	Year of implementation of CBCS / elective course system
017	Bachelor of Business Administration	2006	Yes	2017 (Elective)
017	Bachelor of Business Administration	2006	Yes	2021 (CBCS)
020	Bachelors of Computer Applicatons	2006	Yes	2006 (Elective)
020	Bachelors of Computer Applicatons	2006	Yes	2021 (CBCS)
024	Bachelor of Arts (Journalism and Mass Communication)	2003	Yes	2016 (CBCS)

JAGANNATH INTERNATIONAL MANAGEMENT SCHOOL
Vasant Kunj, New Delhi - 110070
(Affiliated to Guru Gobind Singh Indraprastha University, New Delhi)
Recognized u/s 2(f) by UGC & Accredited with 'A' Grade by NAAC
Participant of UNGC & UNPRME, New York
ISO 9001:2015 Quality Certified

Dated: 15/02/2022

It is certified that the information given below is true and correct to the best of my knowledge and belief.

The following are the programmes in which Choice Based Credit System (CBCS) / Elective course system was implemented during the session 2016-17

Programme Code	Programme name
020	Bachelors of Computer Applicatons
024	Bachelor of Arts (Journalism and Mass Communication)

(Director)

JAGANNATH INTERNATIONAL MANAGEMENT SCHOOL

Vasant Kunj, New Delhi - 110070

(Affiliated to Guru Gobind Singh Indraprastha University, New Delhi)
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Participant of UNGC & UNPRME, New York
ISO 9001:2015 Quality Certified

Dated: 15/02/2022

It is certified that the information given below is true and correct to the best of my knowledge and belief.

The following are the programmes in which Choice Based Credit System (CBCS) / Elective course system was implemented during the session 2017-18

Programme Code	Programme name
017	Bachelor of Business Administration
020	Bachelors of Computer Applicatons
024	Bachelor of Arts (Journalism and Mass Communication)

(Director)

JAGANNATH INTERNATIONAL MANAGEMENT SCHOOL

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Vasant Kunj, New Delhi - 110070

(Affiliated to Guru Gobind Singh Indraprastha University, New Delhi)
Recognized u/s 2(f) by UGC & Accredited with 'A' Grade by NAAC
Participant of UNGC & UNPRME, New York
ISO 9001:2015 Quality Certified

Dated: 15/02/2022

It is certified that the information given below is true and correct to the best of my knowledge and belief.

The following are the programmes in which Choice Based Credit System (CBCS) / Elective course system was implemented during the session 2018-19

Programme Code	Programme name
017	Bachelor of Business Administration
020	Bachelors of Computer Applicatons
024	Bachelor of Arts (Journalism and Mass Communication)

(Director)

JAGANNATH INTERNATIONAL MANAGEMENT SCHOOL

Vasant Kunj, New Delhi - 110070

(Affiliated to Guru Gobind Singh Indraprastha University, New Delhi)
Recognized u/s 2(f) by UGC & Accredited with 'A' Grade by NAAC
Participant of UNGC & UNPRME, New York
ISO 9001:2015 Quality Certified

Dated: 15/02/2022

It is certified that the information given below is true and correct to the best of my knowledge and belief.

The following are the programmes in which Choice Based Credit System (CBCS) / Elective course system was implemented during the session 2019-20

Programme Code	Programme name
017	Bachelor of Business Administration
020	Bachelors of Computer Applicatons
024	Bachelor of Arts (Journalism and Mass Communication)

(Director)

JAGANNATH INTERNATIONAL MANAGEMENT SCHOOL

Vasant Kunj, New Delhi - 110070

(Affiliated to Guru Gobind Singh Indraprastha University, New Delhi)
Recognized u/s 2(f) by UGC & Accredited with 'A' Grade by NAAC
Participant of UNGC & UNPRME, New York
ISO 9001:2015 Quality Certified

Dated: 15/02/2022

It is certified that the information given below is true and correct to the best of my knowledge and belief.

The following are the programmes in which Choice Based Credit System (CBCS) / Elective course system was implemented during the session 2020-21 and 2021-22

Programme Code	Programme name
017	Bachelor of Business Administration
020	Bachelors of Computer Applicatons
024	Bachelor of Arts (Journalism and Mass Communication)

(Director)

STRUCTURE OF THE PROGRAM CLEARLY INDICATING COURSES, CREDITS/ELECTIVES AS APPROVED BY GGSIPU

SCHEME OF EXAMINATION

&

SYLLABI

of

BACHELOR OF BUSINESS ADMINISTRATION

for

First to Sixth Semester (w.e.f. 2017-2018 Academic Session)

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY

DWARKA, NEW DELHI-110078

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, DELHI
BACHELOR OF BUSINESS ADMINISTRATION (BBA)

SCHEME OF EXAMINATIONS

Criteria for Internal Assessment

All theory courses have internal assessment of 25 marks and 75 marks for external examination. For the courses related to projects, internal assessment is 50 marks and external examination is 50 marks. The courses related to Lab have 40 marks as internal assessment and 60 marks for external examination.

The internal assessment of the students (out of 25 marks) shall be as per the criteria given below:

1. Class Test-I   - 15 Marks

   Written Test Compulsory (to be conducted on the date communicated by the University)

2. Individual Presentation/Viva-Voce/Group Discussion/ Class Participation
                                                                                         - 10 marks

Note: Record should be maintained by faculty and made available to the examination branch of the University.

MAXIMUM & MINIMUM CREDITS OF THE PROGRAM

The total number of the credits of the BBA Programme is 140.

Each student shall be required to appear for examination in all courses. However, for the award of the degree a student should secure at least 132 credits.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, DELHI
BACHELOR OF BUSINESS ADMINISTRATION (BBA)
SCHEME OF EXAMINATIONS

I. SUMMER TRAINING PROJECT

Each student shall undergo practical training of eight weeks during the vacations after fourth semester in an approved business / industrial / service organization and submit at least two copies of the Summer Training Report to the Director / Principal of the Institution before the commencement of the end-term Examination. The Summer Training Report shall Carry 100 marks. It shall be evaluated for 50 marks by an External Examiner to be appointed by the University and for the rest of the 50 marks by an Internal Examiner to be appointed by the Director / Principal of the Institution.

II. FINAL YEAR PROJECT REPORT

During the sixth semester each student shall undertake a project to be pursued by him/her under the supervision of an Internal Supervisor to be appointed by the Director / Principal. The project should preferably be based on primary data. Both the subject and the name of the Supervisor will be approved by the Director / Principal of the Institution. The Project Report in duplicate along with one soft copy in a CD/DVD will be submitted at least three weeks prior to the commencement of the End Term Examination of the Sixth Semester. Project Report shall carry 100 marks. It shall be evaluated for 50 marks by an External Examiner to be appointed by the University and for the rest of the 50 marks by an Internal Examiner to be appointed by the Director / Principal of the Institution.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, DELHI
BACHELOR OF BUSINESS ADMINISTRATION (BBA)

INSTRUCTIONS FOR PREPARATION OF THE PROJECT REPORTS

Students are required to follow the mentioned pattern in preparing the project:
Format of the report:

1. Title page

2. Certificate

3. Acknowledgement

4. Table of Contents

5. Chapter Plan:
   Chapter 1: Introduction
   Objectives of the study
   Review of Literature
   Research Methodology
   Limitations of the study
   Chapter II: Profile of the Organization in case of Summer Training Project)
   Chapter III: Analysis and Interpretation of Data
   Chapter IV: Conclusions and Recommendations

   Format for Bibliography

Follow APA style of Referencing (8th edition)
https://www.scribd.com/document/251154420/Apa-Citation-Style-8th-edition-pdf

   Annexures Questionnaire (if applicable)

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, DELHI
BACHELOR OF BUSINESS ADMINISTRATION PROGRAMME
B.B.A. (Three-Years)

First Semester Examination

Code No.	Paper	Discipline	L	T/P	Credits
BBA 101	Management Process & Organizational Behaviour	Generic Elective/ Interdisciplinary Course	4	-	4
BBA 103	Business Mathematics	Core Discipline	4	-	4
BBA 105	Financial Accounting & Analysis	Core Discipline	4	-	4
BBA 107	Business Economics	Core Discipline	4	-	4
BBA 109	Computer Applications	Skill Enhancement Course	4	-	4
BBA 111	Computer Applications Lab	Skill Enhancement Course	-	4	2
		Total	20	4	22

Second Semester Examination

Code No.	Paper	Discipline	L	T/P	Credits
BBA 102	Cost Accounting	Core Discipline	4	-	4
BBA 104	Quantitative Techniques	Core Discipline	4	-	4
BBA 106	E-Ecommerce	Core Discipline	4	-	4
BBA 108	E-Commerce Lab	Skill Enhancement Course	-	4	2
BBA 110	Business Communication	Ability Enhancement- Compulsory	4	-	4
BBA 112	Business Environment	Core Discipline	4	-	4
		Total	20	4	22

Third Semester Examination

Code No.	Paper	Discipline	L	T/P	Credits
BBA 201	Business Laws	Core Discipline	4	-	4
BBA 203	Marketing Management	Core Discipline	4	-	4
BBA 205	Business Ethics and Corporate Social Responsibility	Generic Elective/Interdisciplinary Course	4	-	4
BBA 207	Management Accounting	Core Discipline	4	-	4
BBA 209	Indian Economy	Core Discipline	4	-	4
BBA 211	Environmental Science* (NUES)	Ability Enhancement - Compulsory	2	-	2
		Total	22	-	22

*NUES: Non University Examination System

Fourth Semester Examination

Code No.	Paper	Discipline	L	T/P	Credits
BBA 202	Human Resource Management	Core Discipline	4	-	4
BBA 204	Financial Management	Core Discipline	4	-	4
BBA 206	Research Methodology	Generic Elective/Interdisciplinary Course	4	-	4
BBA 208	Research Methodology Lab	Skill Enhancement Course	-	4	2
BBA 210	Information System Management	Core Discipline	4	-	4
BBA 212	Information System Management Lab	Skill Enhancement Course	-	4	2
BBA 214	Managerial Skill Development	Skill Enhancement Course	2	-	2
			18	8	22

Fifth Semester Examination

Code No.	Paper		L	T/P	Credits
BBA 301	Income Tax Law and Practice	Core Discipline	4	-	4
BBA 303	Production & Operations Management	Generic Elective/Interdisciplinary Course	4	-	4
BBA 305	Services Marketing	Core Discipline	4	-	4
BBA 307	Entrepreneurship Development	Generic Elective/Interdisciplinary Course	4	-	4
BBA 309	Goods & Services Tax (GST)	Core Discipline	4	-	4
BBA 311	Summer Training Report	Skill Enhancement Course	-	-	6
			20		26

Sixth Semester Examination

Code No.	Paper		L	T/P	Credits
BBA 302	Project Management	Core Discipline	4	-	4
BBA 304	Digital Marketing	Core Discipline	4	-	4
BBA 306	International Business Management	Core Discipline	4	-	4
BBA 308	Business Policy & Strategy	Core Discipline	4	-	4
BBA 310	Sales & Distribution Management	Core Discipline	4	-	4
BBA 312	Project Report	Skill Enhancement Course	-	-	6
			20	-	26

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY

DWARKA, NEW DELHI-110078

BBA

Scheme and Syllabus

2021-22 onwards

(Approved by AC Sub Committee)

Choice Based Credit System

Background Note:

BBA Graduate Attributes

Students are expected to exhibit the following abilities of learning after the completion of the Graduate Program in Business Administration -

1. Effective Communication and Professional Presentation Skills
2. Comprehensive Knowledge on concepts of Business Management
3. Proficiency in Technological skills necessary for business decision making
4. Critical thinking and Analytical Skills for business problem solving
5. Innovation and Creativity for striving towards an entrepreneurial mindset
6. Leadership abilities to build efficient, effective, productive and proactive teams
7. Responsible citizenship towards social ecosystem
8. Expertise in initiatives towards the achievement of SDGs
9. Inclusivity and respect towards diversity in culture and societies
10. Attitude towards continuous learning and improvement

Need for Syllabus Revision:

As per the feedback of students, alumni, teachers and Employers, a need was felt to update the curriculum of the BBA program to make it industry ready. In addition, with New Education Policy 2020, the curriculum of BBA was required to incorporate the features such as: CBCS, Multi-entry and Multi-exit, Academic Bank of Credits, etc. The current syllabus and scheme has been worked out for 3 and 4 years with flexible entry and exit.

The whole syllabus of BBA is divided into following types:
   a) Core Papers
   b) Ability Enhancement Papers
   c) Skill Enhancement Papers
   d) Discipline Specific Elective Papers
   e) Generic Electives
   f) Skill Enhancement (NUES)
   g) Major and Minor Projects
   h) MOOC Courses
   i) Summer Internship Projects

SCHEME OF EXAMINATION

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SYLLABI

of

BACHELOR OF BUSINESS ADMINISTRATION
(BBA)

for

First and Second Semesters

(w.e.f. 2021 – 2022 Academic Session)

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY
DWARKA, NEW DELHI-110078

SCHEME OF EXAMINATIONS

Criteria for Internal Assessment

All theory courses have internal assessment of 25 marks and 75 marks for external examination. For the courses related to labs, summer training and projects, internal assessment is 40 marks and external examination is 60 marks.

The internal assessment of the students (out of 25 marks) shall be as per the criteria given below:

1. Class Test   -   **15 marks**
   Written Test Compulsory (to be conducted as per Academic Calendar of the University)

2. Individual Assignments /Presentation/ Viva-Voce/ Group Discussion/ Class Participation
                                                                                    -        **10 marks**

Note: Record should be maintained by faculty and made available to the University, if required.

MAXIMUM & MINIMUM CREDITS OF THE PROGRAM

The total number of the credits of the BBA Programme is 142.

Each student shall be required to appear for examination in all courses. However, for the award of the degree a student should secure at least 134 credits.

SCHEME OF EXAMINATIONS

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
BACHELOR OF BUSINESS ADMINISTRATION PROGRAMME

B.B.A. (Three-Years)
First Semester Examination

Code No.	Paper	Type	L	T/ P	Credits
BBA 101	Management Process and Organizational Behaviour	Core	4	-	4
BBA 103	Business Mathematics	Core	4	-	4
BBA 105	Financial Accounting and Analysis	Core	4	-	4
BBA 107	Business Economics	Core	4	-	4
BBA 109	IT applications in Business	Skill Enhancement	3	-	3
BBA 111	IT applications in Business-Lab	Skill Enhancement	-	2	1
BBA 113	Entrepreneurial Mindset (NUES)	Ability Enhancement	2	-	2
		Total	21	2	22

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
BACHELOR OF BUSINESS ADMINISTRATION PROGRAMME

Second Semester Examination

Code No.	Paper	Type	L	T/ P	Credits
BBA 102	Cost Accounting	Core	4	-	4
BBA 104	Decision Techniques for Business	Core	4	-	4
BBA 106	Business Environment	Core	4	-	4
BBA 108	E-Commerce	Skill Enhancement	3	-	3
BBA 110	Business Communication	Ability Enhancement	3		3
BBA 112	E-Commerce Lab	Skill Enhancement	-	2	1
BBA 114	Minor Project-I	Skill Enhancement	-		3
BBA 116	MOOC*	Ability Enhancement	-		3
		Total	18	2	25

* The student is required to choose one MOOC course of 3 credits as per his or her preference/choice from Swayam portal or any other online educational platform approved by the UGC / regulatory body from time to time at UG level and after completing the course, the student has to produce successful course completion certificate for claiming the credit. The course chosen by the student should be intimated to the MOOC Coordinator of the respective institution.

An Under-Graduate Certificate will be awarded, if a student wishes to exit at the end of first year/two semesters upon successful completion.

A Student having qualified in Under-Graduate Certificate from GGSIP University can join the BBA programme in 3rd Semester any time during the period. The procedure for depositing credits earned, its shelf life, redemption of credits, would be as per UGC (Establishment and Operationalisation) of Academic Bank of credits (ABC) scheme in higher education) Regulations 2021. The admission would be subject to availability of seats in the programme. Number of years spent for studies of this programme cannot be more than N+2 years.

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
BACHELOR OF BUSINESS ADMINISTRATION PROGRAMME

Third Semester Examination

Code No.	Paper	Type	L	T/P	Credits
BBA 201	Business Laws	Core	4	-	4
BBA 203	Marketing Management	Core	4	-	4
BBA 205	Human Resource Management	Core	4	-	4
BBA 207	Management Accounting	Core/Skill Enhancement	4	-	4
BBA 209	Production and Operations Management	Core/Interdisciplinary	3	-	3
BBA 211	Business Research Methodology	Skill Enhancement	3	-	3
BBA 213	Business Research Methodology Lab	Skill Enhancement	-	4	2
BBA 215	NSS/NCC/NSO/others as notified by the university (NUES*)	Ability Enhancement	2		2
BBA 217	Environmental Studies	Interdisciplinary	4	-	4
		Total	28	4	30

*NUES: Non University Examination System

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
BACHELOR OF BUSINESS ADMINISTRATION PROGRAMME

Fourth Semester

Code No.	Paper	Type	L	T/P	Credits
BBA 202	Business Analytics	Ability Enhancement	4	-	4
BBA 204	Financial Management	Core/Skill Enhancement	4	-	4
BBA 206	Corporate Governance, Ethics & Social Responsibility of Business	Core/ Interdisciplinary	4	-	4
BBA 208	Income Tax Law and Practice	Skill Enhancement /Interdisciplinary Course	4	-	4
BBA 210	MOOC*	Ability Enhancement	-	-	3
	Elective I (one paper to be selected from the list of electives)	Discipline Specific Electives	4	-	4
BBA 218	Minor Project -II	Skill Enhancement	-	-	3
		Total	20		26

List of Elective-I:
BBA-212 Training and Development
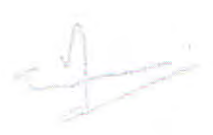BBA-214 Sales Management
BBA-216 Financial Markets and Institutions

* The student is required to choose one MOOC course of 3 credits as per his or her preference/choice from Swayam portal or any other online educational platform approved by the UGC / regulatory body from time to time at UG level. After completing the course, the student has to produce successful course completion certificate for claiming the credit. The course chosen by the student should be intimated to the MOOC Coordinator of the respective institution.

At the end of the Fourth Semester all the students shall have to undergo Summer Training for six to eight weeks.

An Under-Graduate Diploma will be awarded, if a student wishes to exit at the end of second year/four semesters upon successful completion.

A Student having qualified in Under-Graduate Diploma from GGSIP University can join the BBA programme in 5th Semester any time during the period. The procedure for depositing credits earned, its shelf life, redemption of credits, would be as per UGC (Establishment and Operationalisation) of Academic Bank of credits (ABC) scheme in higher education) Regulations 2021. The admission would be subject to availability of seats in the programme. Number of years spent for studies of this programme cannot be more than N+2 years.

Pravin Chandra

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
BACHELOR OF BUSINESS ADMINISTRATION PROGRAMME

Fifth Semester Examination

Code No.	Paper	Type	L	T/P	Credits
BBA 301	Goods and Services Tax	Skill Enhancement	3	-	3
BBA 303	Business Policy and Strategy	Core	3	-	3
BBA 305	Information Systems Management	Skill Enhancement	3	-	3
BBA 307	Information Systems Management Lab	Skill Enhancement	-	4	2
	Elective II (one elective to be selected from the list of electives)	Discipline Specific Elective	4	-	4
BBA 315	Summer Training Report	Skill Enhancement	-	-	4
		Total	13	4	19

List of Elective-II
BBA-309 Marketing Analytics
BBA-311 Performance Management
BBA-313 Financial Modeling

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY, NEW DELHI
BACHELOR OF BUSINESS ADMINISTRATION PROGRAMME

Sixth Semester Examination

Code No.	Paper	Type	L	T/P	Credits
BBA 302	Project Management	Core	3	-	3
BBA 304	Digital Marketing	Skill Enhancement	4	-	4
	Elective III* (one elective to be selected from the list of electives)	Discipline Specific Elective	4	-	4
BBA 312	Entrepreneurship Development	Interdisciplinary	3		3
BBA 314	Major Project	Skill Enhancement	-	-	6
		Total	14	-	20

List of Electives-III
BBA-306 HR Analytics
BBA-308 Advertising and Sales Promotion
BBA-310 Investment Analysis and Portfolio Management

COURSE DISTRIBUTION (BBA)

Types of Courses	Number of Courses	Credits Per Course	Sem I Course	Sem II Course	Sem III Course	Sem IV Course	Sem V Course	Sem VI Course	Total Credits
Core Courses – Theory and Classroom based (C)	15	4/3	4	3	5	2	1	1	61
Interdisciplinary Theory and Classroom based (GE)	03	4/3			1	1		1	7
Skill Enhancement Courses Including Lab Based (SE) excluding minor/major/internship project reports	11	4/3/2/1	2	3	2	2	4	2	45
Discipline Specific Elective –Theory and Classroom based (DSE)	3	4				1	1	1	12
Ability Enhancement Course including NUES	4	4/3/2	1	2	1	2			17
Minor Project-I	1	3		1					03
Minor Project-II	1	3				1			03
Internship Project Report	1	4					1		04
Major Project	1	6						1	06
Online Courses (MOOCs)	2	3		1		1			06
Total Credits			22	25	30	26	19	20	142

SCHEME OF EXAMINATION

&

DETAILED SYLLABUS

for

BACHELOR OF COMPUTER APPLICATIONS (BCA) DEGREE

GURU GOBIND SINGH
INDRAPRASTHA UNIVERSITY
KASHMERE GATE, DELHI

w.e.f. session 2005-2006

Bachelor of Computer Applications

FIRST SEMESTER EXAMINATION

Code No.	Paper	L	T/P	Credits
BCA 101	Mathematics – I	3	1	4
BCA 103	Business Communication	3	0	3
BCA 105	Programming with C	3	1	4
BCA 107	Fundamentals of Information Technology	3	1	4
BCA 109	Basics of Physics	3	1	4
PRACTICALS				
BCA 151	Practical – I	0	12	6
BCA 153*	General Proficiency – I	2	0	2
	Total	**17**	**16**	**27**

*NUES

Bachelor of Computer Applications

SECOND SEMESTER EXAMINATION

Code No.	Paper	L	T/P	Credits
BCA 102	Mathematics – II	3	1	4
BCA 104	Business Organization & Management	3	0	3
BCA 106	Digital Electronics	3	1	4
BCA 108	Data Structures using C	3	1	4
BCA 110	Database Management Systems	3	1	4
PRACTICALS				
BCA 152	Practical – II	0	12	6
BCA 154*	General Proficiency – II	2	0	2
	Total	17	16	27

*NUES

w.e.f. session 2005-2006

Bachelor of Computer Applications

THIRD SEMESTER EXAMINATION

Code No.	Paper	L	T/P	Credits
BCA 201	Mathematics – III	3	1	4
BCA 203	Computer Architecture	3	1	4
BCA 205	Front End Design Tools	3	1	4
BCA 207	Financial Accounting	3	0	3
BCA 209	Object Oriented Programming	3	1	4
PRACTICALS				
BCA 251	Practical – III	0	12	6
BCA 253*	General Proficiency – III	2	0	2
	Total	**17**	**16**	**27**

*NUES

Bachelor of Computer Applications

FOURTH SEMESTER EXAMINATION

Code No.	Paper	L	T/P	Credits
BCA 202	Mathematics – IV	3	1	4
BCA 204	Software Engineering	3	1	4
BCA 206	Java Programming & Website Design	3	1	4
BCA 208	Operating Systems	3	1	4
BCA 210	Business Economics	3	1	4
PRACTICALS				
BCA 252	Practical – IV	0	8	4
BCA 254*	General Proficiency – IV	2	0	2
	Total	**17**	**13**	**26**

*NUES
Summer Training will be held for 4 weeks after the end of fourth semester.
Viva-Voce will be conducted in fifth semester.

Bachelor of Computer Applications

FIFTH SEMESTER EXAMINATION

Code No.	Paper	L	T/P	Credit
BCA 301	Computer Networks	3	1	4
BCA 303	.net Programming	3	1	4
BCA 305	Linux Environment	3	1	4
ELECTIVES (select any One)				
BCA 307	E-Commerce	3	1	4
BCA 309	Design and Analysis of Algorithms	3	1	4
BCA 311	Computer network Security	3	1	4
PRACTICALS				
BCA 351	Practical –V	0	8	4
BCA 353*	Summer Project/Training	0	0	2
BCA 355	Minor Project	-	8	4
BCA 357**	Seminar	2	0	2
	Total	**14**	**20**	**28**

*Evaluation will be based on Summer Training held after fourth semester and will be conducted by the college committee only.

**NUES

Bachelor of Computer Applications

SIXTH SEMESTER EXAMINATION

Code No.	Paper	L	T/P	Credits
BCA 302	Management Information Systems	3	1	4
BCA 304	Mobile Computing	3	1	4
BCA 306	Computer Graphics & Multimedia Applications	3	1	4
ELECTIVES (select any One)				
BCA 308	Internet Programming	3	1	4
BCA 310	Knowledge Management &New Economy	3	1	4
BCA 312	Artificial Intelligence	3	1	4
PRACTICALS				
BCA 352	Practical –VI	0	8	4
BCA 354	Major Project	-	10	5
	TOTAL	**12**	**22**	**25**

Note:

1. The total number of the credits of the BCA programme = 160.

2. Each student shall be required to appear for examinations in all courses. However, for the award of the degree a student shall be required to earn the minimum of 150 credits.

SCHEME OF EXAMINATION

&

DETAILED SYLLABUS

For

BACHELOR OF COMPUTER APPLICATIONS (BCA) DEGREE

GURU GOBIND SINGH
INDRAPRASTHA UNIVERSITY
SECTOR-16C, DWARKA, DELHI

Bachelor of Computer Applications

FIRST SEMESTER EXAMINATION

Code No.	Paper	L	T/P	Credits	Marks Internal	Marks External
THEROY PAPERS						
BCA 101	Mathematics – I	3	1	4	25	75
BCA 103	Technical Communication	3	0	3	25	75
BCA 105	Introduction to Programming Language using C	3	1	4	25	75
BCA 107	Introduction to Computers & IT	3	1	4	25	75
BCA 109	Physics	3	1	4	25	75
PRACTICALS						
BCA 151	Practical – I C Prog. Lab	0	6	3	40	60
BCA 153	Practical – II IT Lab	0	6	3	40	60
BCA 155*	Communication Skills	2	0	2	100	------
	Total	17	16	27	305	495

*NUES

TOTAL MARKS : 800

Bachelor of Computer Applications

SECOND SEMESTER EXAMINATION

Code No.	Paper	L	T/P	Credits	Marks Internal	Marks External
THEROY PAPERS						
BCA 102	Mathematics – II	3	1	4	25	75
BCA 104	Principles of Management	3	0	3	25	75
BCA 106	Digital Electronics	3	1	4	25	75
BCA 108	Data Structure Using C	3	1	4	25	75
BCA 110	Database Management System	3	1	4	25	75
PRACTICALS						
BCA 152	Practical – III DS Lab	0	6	3	40	60
BCA 154	Practical – IV DBMS Lab	0	6	3	40	60
BCA 156*	Cyber Ethics	2	0	2	100	------
	Total	**17**	**16**	**27**	**305**	**495**

*NUES
TOTAL MARKS: 800

Bachelor of Computer Applications

THIRD SEMESTER EXAMINATION

Code No.	Paper	L	T/P	Credits	Marks Internal	Marks External
THEROY PAPERS						
BCA 201	Mathematics – III	3	1	4	25	75
BCA 203	Computer Architecture	3	1	4	25	75
BCA 205	Front End Design Tool VB.Net	3	1	4	25	75
BCA 207	Principles of Accounting	3	0	3	25	75
BCA 209	Object Oriented Programming using C++.	3	1	4	25	75
PRACTICALS						
BCA 251	Practical – V .NET Lab	0	6	3	40	60
BCA 253	Practical – VI C++ Lab	0	6	3	40	60
BCA 255*	Software Development Skills	2	0	2	100	------
	Total	**17**	**16**	**27**	**305**	**495**

*NUES
TOTAL MARKS: 800

Bachelor of Computer Applications

FOURTH SEMESTER EXAMINATION

Code No.	Paper	L	T/P	Credits	Marks Internal	Marks External
THEROY PAPERS						
BCA 202	Mathematics – IV	3	1	4	25	75
BCA 204	Web Technologies	3	1	4	25	75
BCA 206	Java Programming	3	1	4	25	75
BCA 208	Software Engineering	3	1	4	25	75
BCA 210	Computer Networks	3	1	4	25	75
PRACTICALS						
BCA 252	Practical – VII Java Lab	0	6	3	40	60
BCA 254	Practical – VIII Web Tech Lab	0	6	3	40	60
BCA 256*	Personality Development Skills	2	0	2	100	------
	Total	**17**	**13**	**28**	**305**	**495**

*NUES
TOTAL MARKS: 800

Summer Training will be held for 4 weeks after the end of fourth semester.
Viva-Voce will be conducted in fifth semester.

Bachelor of Computer Applications

FIFTH SEMESTER EXAMINATION

Code No.	Paper	L	T/P	Credits	Marks Internal	Marks External
THEROY PAPERS						
BCA 301	Operating System	3	1	4	25	75
BCA 303	Computer Graphics	3	1	4	25	75
BCA 305	E- Commerce	3	1	4	25	75
***ELECTIVES (Select any One)**						
BCA 307	Software Testing	3	1	4	25	75
BCA 309	Microprocessor	3	1	4	25	75
BCA 311	Advance Computer Networks	3	1	4	25	75
BCA 313	Web Based Programming	3	1	4	25	75
BCA 315	Business Economics	3	1	4	25	75
PRACTICALS						
BCA 351	Practical – IX CG Lab	0	8	4	40	60
BCA 355*	Summer Project/ Training	0	0	2	100	------
BCA 357	Minor Project	---	8	4	40	60
	Total	12	20	26	280	420

*Evaluation will be based on Summer Training held after fourth semester and will be conducted by the college committee only.

*** Any Elective Subject will be offered if minimum 1/3 rd of the total strength of students in the class will opt for it.

**NUES
TOTAL MARKS: 700

Bachelor of Computer Applications

SIXTH SEMESTER EXAMINATION

Code No.	Paper	L	T/P	Credits	Marks Internal	Marks External
THEROY PAPERS						
BCA 302	Data Ware Housing & Data Mining	3	1	4	25	75
BCA 304	Mobile Computing	3	1	4	25	75
BCA 306	Linux Environment	3	1	4	25	75
***ELECTIVES (Select any One)						
BCA 308	Multimedia & Its Applications	3	1	4	25	75
BCA 310	Bio Informatics	3	1	4	25	75
BCA 312	Artificial Intelligence	3	1	4	25	75
BCA 314	Network Security	3	1	4	25	75
BCA 316	Network Programming	3	1	4	25	75
PRACTICALS						
BCA 352	Practical – X Linux Lab	0	4	2	40	60
BCA 356	Major Project	----	10	5	40	60
BCA 358**	Seminar	2	0	2	100	
	Total	14	18	25	280	420

Note:

1. The total number of the credits of the BCA programme = 160.

2. Each student shall be required to appear for examinations in all courses. However, for the award of the degree a student shall be required to earn the minimum of 150 credits.

Total Marks : 700
*** Any Elective Subject will be offered if minimum 1/3 rd of the total strength of students in the class will opt for it.

Note : A Minimum of 40 Lectures is mandatory for each course.

SCHEME OF EXAMINATION

&

SYLLABI

for

Bachelor of Computer Applications (BCA)
Scheme and Syllabus (w.e.f. AS 2021-22)

Offered by

University School of Information, Communication & Technology GGSIPU at Affiliated Institutions of the University

**GURU GOBIND SINGH
INDRAPRASTHA
UNIVERSITY**

**GuruGobindSinghIndraprasthaUniversity
Sector 16C, Dwarka, Delhi – 110 078 [INDIA]**
www.ipu.ac.in

Vision of the School

Create high-quality engineering professionals

Mission of the School

To serve humanity by creating professionally competent, socially sensitive engineers with high ethical values who can work as individuals or in groups in multicultural global environments.

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I. BACHELOR OF COMPUTER APPLICATIONS PROGRAMME DETAILS

1. Aim

The programme covers rudimentary to advanced concepts in Computer Science and its applications in various domains. An exceptionally broad range of topics covering current trends and technologies in the field of information technology and computer science are included in the syllabus. The hands on sessions in Computer labs using various Programming languages and tools are also given to have a deep conceptual understanding of the topics to widen the horizon of students' self- experience.

Students, who choose BCA Programme, develop the ability to think critically, logically, analytically and to use and apply current technical concepts and practices in the core development of solutions in the multiple domains. The knowledge and skills gained with a degree in Computer Application prepare graduates for a wide range of jobs in education, research, government sector, business sector and industry. In broader perspective the mission of teaching BCA is to produce employable IT workforce, that will have sound knowledge of IT and business fundamentals that can be applied to develop and customize solutions for various Enterprises.

2. Programme Objectives

It is envisioned that the graduates passing out BCA degree, will achieve the following objectives and will be able to

Programme Objectives (POs)	Description
PO1	Understand the fundamental concepts of Computers, Software hardware and peripheral devices and evolution of computer technologies.
PO2	Familiarized with Business environment and Information Technology and its Applications in different domains.
PO3	Gain knowledge to identify, explain and apply functional programming and object-oriented programming techniques and use of databases to develop computer programs.
PO4	Analyze, design, implement and evaluate computerized solutions to real life problems, using appropriate computing methods including web applications.
PO5	Understand the front end and backend of software applications.
PO6	Gain expertise in at least one emerging technology.
PO7	Acquire knowledge about computer networks, network devices and their configuration protocols, security concepts at various level etc.
PO8	Apply techniques of software validation and reliability analysis to the development of computer programs.
PO9	Acquire Technical, Communication and management Skills to convey or present information, applications, instructions, policies, procedures, decisions, documentations etc. verbally as well as in writing.
PO10	Recognize the various issues related to society, environment, health and vivid cultures and understand the responsibilities to contribute in providing the solutions.
PO11	Acquire technical skills to lead a productive life in the society as a professional or as an entrepreneur.

3. Programme Learning Outcomes

The completion of the BCA Programme shall enable a student to:

i. To design, implement, and evaluate computer-based system, process, component, or program to meet desired needs by critical understanding, analysis and synthesis

ii. Identify applications of Computer Science in other fields in the real world to enhance the career prospects

iii. Realize the requirement of lifelong learning through continued education and research.

iv. Use the concepts of best practices and standards to develop user interactive and abstract application

v. Understand the professional, ethical, legal, security, social issues and responsibilities.

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The detailed list of programme learning outcomes is as follows:

PLO	Attribute	Description
PLO1	Communication Skills	The student should be able to communicate the technical information both orally and in writing professionally.
PLO2	Use of Software Tools	Create, select, adapt and apply suitable tools and technologies to a wide range of computational activities.
PLO3	Technical Skills	Acquire necessary knowledge of technical, scientific as well as basic managerial and financial procedures to analyze and solve real world problems within their work domain
PLO4	Domain Awareness	Clarity on both conceptual and application oriented skills in commerce, Finance & Accounting and it Applications in Business context.
PLO5	Technical Support	Must be able to provide technical support for various software applications.
PLO6	Analysis and investigation of Complex Computing Problems	Ability to analyze research and investigate complex computing problems through design of experiments, analysis and interpretation of data and synthesis of the information to arrive at valid conclusions.
PLO7	Design / Development of Solutions	Apply the knowledge gained in core courses to a broad range of advanced topics in computer science, to learn and develop sophisticated technical products independently.
PLO8	Imbibe Cyber Ethics	Awareness on ethics, values, sustainability and creativity aspects of technical solutions.

II.   CHOICE BASED CREDIT SYSTEM (CBCS)

The CBCS provides an opportunity for the students to choose courses from the prescribed courses comprising core, elective/minor or skill based courses.

1. Types of courses in Choice Based Credit System (CBCS)

1.1   Core Course: A course, which should compulsorily be studied by a candidate as a core requirement is termed as a Core course.

1.2   Elective Course: Generally a course which can be chosen from a pool of courses and which may be very specific or specialized or advanced or supportive to the discipline/ subject of study or which provides an extended scope or which enables an exposure to some other discipline/subject/domain or nurtures the candidate's proficiency/skill is called an Elective Course.

a)   **Discipline Specific Elective (DSE) Course:** Elective courses offered by the main discipline/subject of study are referred to as Discipline Specific Electives.

b)   **Project work/Dissertation** is considered as a special course involving application of knowledge in solving / analyzing /exploring a real life situation / difficult problem. A candidate studies such a course on his own with an advisory support by a teacher/faculty member. The work done will have to be submitted in writing as a dissertation.

c)   **Generic Elective (GE) Course:** Elective courses that are generic or interdisciplinary by nature chosen from an unrelated discipline/ subject with an intention to seek exposure beyond discipline/s of choice are called Generic Electives. Students will have to choose one elective each in the third and fourth semester from the lists GE1 to GE2 given in this syllabus.

1.3 Ability Enhancement Courses (AEC): The Ability Enhancement (AE) Courses are the course that lead to Knowledge enhancement. These are of two types.

a)   **AE Compulsory Course (AECC):** Environmental Studies, English Communication/MIL Communication.

b)   **AE Elective Course (AEEC):** AEEC courses are value-based and/or skill-based and are aimed at providing hands-on-training, competencies, skills, etc. These courses / papers are to be chosen from a pool of courses designed to provide value-based and/or skill-based instruction.

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III. PROGRAMME STRUCTURE

The BCA programme is a three-year course of 160 credits divided into six-semesters. A student is required to complete 150 credits for the completion of course and the award of degree.

	Academic Year	Odd Semester	Credits	Even Semester	Credits
Part – I	First Year	Semester I	26	Semester II	26
Part – II	Second Year	Semester III	27	Semester IV	27
Part – III	Third Year	Semester V	27	Semester VI	29
Total Credits – 162			80		82

Eligibility Criteria: The eligibility criteria for BCA programme for an academic session will be provided in the admission brochure (as for Academic Session (AS) 2021-22. The eligibility criteria of BCA programme for academic session 2022-23 onwards shall be as follows:
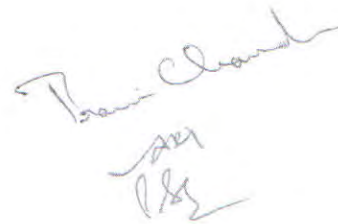
"Pass in 12th Class of 10+2 of CBSE or equivalent with a minimum of 50% marks in aggregate* with pass in English (core or elective or functional). Mathematics or (Computer Science / Informatics Practice / Computer Applications / Multimedia & Web Technology / Data Management Application / Web Application as compulsory subject of non-vocational stream with 50 theory and 50 practical ratio) or equivalent."
OR

"Three year Diploma in a branch of Engineering from a polytechnic duly approved by All India Council for Technical Education and affiliated to a recognized examining body with a minimum of 50% marks in aggregate."

Admission Criteria: Admission shall be based on the merit of the written test /Common Entrance Test Conducted by the University.

IV. INSTRUCTIONS FOR PAPER SETTERS

a) Question Paper setter for each course must refer the instructions provided with the detailed syllabus of the specific courses.

b) The question paper shall be preferably set from the prescribed text books and reference books, mentioned in the syllabus and should be at the level of the prescribed textbook(s).

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V. CREDIT ALLOCATION (BCA PROGRAMME OF STUDY)

Course	Credits	
	Theory + Practical Core Course (6 credits) (12 papers)	Theory + Tutorial Core Course (4 credits) (7 papers)
Core Course Theory 19 Papers	12x4=48	7x3=21
Core Course Practical / Tutorial* 19 Papers	12x2=24	7x1=7
Elective Course (4 Papers of 5 credits each, 5 Papers of 4 credits each and 7 Papers of 2 credits each)		
A.1. Discipline Specific Elective (4 Papers)	4x4 = 16	
A.2. Discipline Specific Elective Practical/Tutorial* (4 Papers)	1×4 = 04	
B.1. Generic Elective/ Interdisciplinary (2 Papers)		2x3 = 06
B.2. Generic Elective Practical/ Tutorial* (2 Papers)		2x1 = 02
1.Ability Enhancement Compulsory Courses(AECC) (3 Papers of 4 credit each and 1 Paper of 6 Credit including Minor & Major Project)	1x4 + 1x6= 10	2x4=8
2. Ability Enhancement Compulsory Courses(AECC) (2 Papers of 2 credit)		2x2 = 04
Skill Enhancement Courses (SEC) (5 Papers of 2 credit each)	5x2 = 10	
Co-Curricular Activities	2	
Total credit 162	114	48

*Wherever there is practical, there will be no tutorial and vice-versa.

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V.   **CBCS COURSE STRUCTURE FOR BCA PROGRAMME**

1.   Semester wise placement of the courses

Semester	CORE COURSE (18)	Ability Enhancement Compulsory Course (AECC) (3)	Skill Enhancement Course (SEC) (2)	Elective: Discipline Specific (DSE) (5)	Elective: Generic (GE) (2)
I Total Credits 26	CC1 (4) Discrete Mathematics	AECC 1 (4) Technical Communication			
	CC2 (4+2) Programming using 'C' Language				
	CC3(4+2) Fundamentals of IT & Computers				
	CC4 (4+2) Web Technologies				
II Total Credits 26	CC5 (4) Applied Mathematics	AECC2 (2) Environment Studies	SEC -1 (2)		
	CC6 (4+2) Web Based Programming				
	CC7 (4+2) Data Structure And Algorithm Using 'C'				
	CC8 108 (4+2) Database Management System				
III Total Credits 27	CC9 (4) Computer Network	AECC3 (2) Human Values and ethics	SEC -2 (2)	DSE- 1 (4+1)	Any course from the list GE-1(4)
	CC10 (4) Computer Organization and Architecture				
	CC11 (4+2) Object Oriented Programming with C++				
IV Total Credits 27	CC12(4+2) Java Programming	AECC4 (4) Introduction to Management & Entrepreneurship Development	SEC-3 (2) Personality Development Skills	DSE -2 (4+1)	Any course from the list GE-2 (4)
	CC13 (4+2) Software Engineering				
V Total Credits 27	CC14 (4+2) Operating System & Linux Programming	AECC 5 Minor Project (4)	SEC-4 (2) Summer Internship	DSE -3 (4+1)	
	CC15(4+2) Computer Graphics				
	CC 16 (4) Cloud computing				
VI Total Credits 27	CC17 (4) Datawarehousing and Data Mining	AECC 6 Major Project (6)	SEC-5 (2) Seminar/ Conference Presentation	DSE -4 (4+1)	
	CC18 (4) E-Commerce				
	CC19 (4+2) Internet of Things				

1.1 Skill Enhancement Course 1 (SEC - 1)

SEC 1 (choose one) Skill development course from the following

    (i)   MOOC course from SWAYAM / NPTEL of minimum 2 credits. Certificate is Mandatory for the degree

    (ii)   Front End Design Tool VB.Net Lab

    (iii) Statistical Analysis using Excel

    (iv) Designing Lab Photoshop

SEC 2 (choose one)

(i)   MOOC course From Swayam / NPTEL of minimum 2 credits. Certificate is Mandatory for the degree)
(ii)   Designing Lab CorelDraw
(iii)   ASP.Net
(iv)   AR/VR

1.2   Discipline Specific Electives (DSE) (Choose any One Group of DSE)

Every institution shall offer at least to DSE groups to the students subject to conditions enumerated in this document.

DSE-A – Data Science & Analytics
1.   Basics of Python Programming
2.   Introduction to Data Science
3.   Data Visualization & Analytics
4.   Machine Learning with Python

DSE-B – Artificial Intelligence & Machine Learning
1.   Basics of Python Programming
2.   Introduction to Artificial Intelligence
3.   Machine Learning with Python
4.   Deep Learning with Python

DSE-C– Cyber Security
1.   Cyber Security
2.   Network Security
3.   Web Security
4.   IT Acts and Cyber Laws

DSE-D – Software Development
1.   Basics of Python Programming
2.   Web Development with Python
3.   Web Development with Java & JSP
4.   Mobile Application Development

1.3   Generic Elective (GE) for BCA Students

GE 1 (choose any One)
(i)   Principles of Management & Organizational Behaviour
(ii)   Any One Paper Offered as open elective by other School /Department / Programme

GE 2 (choose any One)
(i)   Digital Marketing
(ii)   Principles of Accounting
(iii)   Any One Paper Offered as open elective by other School / Department / Programme

1.4   Generic (Open) Electives for other undergraduate programmes

The following Core courses of BCA programme may be offered as Generic Elective for other undergraduate programmes. Maximum number of students from other School / Department / Programme should not exceed 20% of total intake for the programme.

S.No.	Semester	Subject Code	Subject Name
1	I	BCA 105 BCA 173	Fundamentals of Computers & IT Practical – II IT Lab
2	I	BCA 107 BCA 175	Web Technologies Practical-III Web Tech Lab
3	II	BCA 108 BCA 176	Database Management System Practical – VI DBMS Lab
4	III	BCA 205 BCA 271	Object Oriented Programming using C++ Practical – VI C++ Lab
5	III	BCA 211	Basics of Python Programming
6	VI	BCA 304	E-Commerce

SEMESTER WISE EAMINATION SCHEME

Based on the above-mentioned course categories the semester wise Evaluation scheme of BCA Programme will be as follows:

FIRST SEMESTER EXAMINATION

Code No.	Paper	Course Category	L	T/P	Credits	Marks Internal	Marks External	Max Marks
Core Course Theory								
BCA 101	Discrete Mathematics	Core Course Theory	3	1	4	25	75	100
BCA 103	Programming Using 'C' Language	Core Course Theory	3	1	4	25	75	100
BCA 105#	Fundamentals of Computers & IT	Core Course Theory	3	1	4	25	75	100
BCA 107#	Web Technologies	Core Course Theory	3	1	4	25	75	100
Ability Enhancement Compulsory Course (AECC)								
BCA 109	Technical Communication	AECC	3	1	4	25	75	100
Core Course Practicals								
BCA 171	Practical – I 'C' Prog. Lab	Core Course Practical	0	4	2	40	60	100
BCA 173#	Practical – II IT Lab	Core Course Practical	0	4	2	40	60	100
BCA 175#	Practical-III Web Tech Lab	Core Course Practical	0	4	2	40	60	100
Bridge Course (Mandatory for Students from Non Mathematics background)								
BCA 181*	Bridge Course in Mathematics	Mandatory for Students from Non Mathematics background	2	0	0	Pass Grade	------	------
	Total Credits				26			800

* Non Credit subject mandatory for the students who do not have mathematics in 12ᵗʰ Std. The student has to obtain at least 40 marks. The examination of this paper shall be conducted by the concerned teacher teaching the course / paper as Teacher's Continuous Evaluation for total 100 marks. Only the pass or fail status is to be specified on the marksheet of examination and the result of the student. Passing in this paper is mandatory for the student.

Generic Elective (GE) for other undergraduate programmes

TOTAL MARKS: 800

SECOND SEMESTER EXAMINATION

Code No.	Paper	Course Category	L	T/P	Credits	Marks Internal	Marks External	Max Marks
Core Course Theory								
BCA 102	Applied Mathematics	Core Course Theory	3	1	4	25	75	100
BCA 104	Web based Programming	Core Course Theory	3	1	4	25	75	100
BCA 106	Data Structure And Algorithm Using 'C'	Core Course Theory	3	1	4	25	75	100
BCA 108#	Database Management System	Core Course Theory	3	1	4	25	75	100
Ability Enhancement Compulsory Course (AECC)								
BCA 110	Environment Studies	AECC	2	0	2	25	75	100
*Skill Enhancement Course (AEEC) (Choose any One)								
BCA 132	**MOOC course from SWAYAM / NPTEL	SEC-1	0	0	2	100	0	100
BCA 134	Front End Design Tool VB.Net Lab	SEC-1	0	4	2	100	0	100
BCA 136	Statistical Analysis using Excel	SEC-1	0	4	2	100	0	100
BCA 138	Designing Lab Photoshop	SEC-1	0	4	2	100	0	100
Core Course Practical								
BCA 172	Practical-IV WBP Lab	Core Course Practical	0	4	2	40	60	100
BCA 174	Practical – V DS Lab	Core Course Practical	0	4	2	40	60	100
BCA 176#	Practical – VI DBMS Lab	Core Course Practical	0	4	2	40	60	100
	Total				26			900

*NUES (Non – University Examination Subject) – Only Internal Assessment by the Institute)

\# Generic Elective (GE) for other undergraduate programmes

TOTAL MARKS: 900

**Instructions for MOOC course

1. MOOC Course should be done from SWAYAM/NPTEL as per the guidelines of UGC.
2. For securing the credits, the student is required to complete the assessment of the course and to provide the certificate of the course done from SWAYAM/NPTEL.
3. The fees (if any) for the registration and/or assessment of the MOOC course must be borne by the student only.
4. If the student secures more than 2 credits for the MOOC Course even then 2 credits shall be considered for this subject and the grade/marks provided by assessing authority shall be transferred to the university by the institution where the student is studying. The result of the MOOC courses shall be taken on record by the University's Examination Division and a result declared for these papers. The student must submit the result of such papers to their respective institutions. All results for the MOOC's course may be submitted before the completion of other requirements including credit requirements.

THIRD SEMESTER EXAMINATION

Code No.	Paper	Course Type	L	T/P	Credits	Marks Internal	Marks External Th	Marks External Pr	Max Marks
Core Course Theory									
BCA 201	Computer Network	Core Course Theory	3	1	4	25	75	0	100
BCA 203	Computer Organization and Architecture	Core Course Theory	3	1	4	25	75	0	100
BCA 205#	Object Oriented Programming with C++	Core Course Theory	3	1	4	25	75	0	100
Ability Enhancement Compulsory Course (AECC)									
BCA-207	Human Values and Ethics	AECC	2	0	2	25	75	0	100
*Discipline Specific Elective (Choose any One)									
BCA 211#	Basics of Python Programming	DSE-1	4	1	5	25	50	25	100
BCA 213	Cyber Security	DSE-1	4	1	5	25	50	25	100
**Generic Elective (Choose any One)									
BCA 221	Principles of Management & Organizational Behaviour	GE-1	3	1	4	25	75	0	100
BCA 223	Open Elective offered by other Department/School /programme	GE-1	3	1	4	25	75	0	100
***Skill Enhancement Course (AEEC) (Choose any One)									
BCA 231	****MOOC course from SWAYAM / NPTEL	SEC-2	0	0	2	100	0	0	100
BCA 233	Designing Lab CorelDraw	SEC-2	0	0	2	100	0	0	100
BCA 235	ASP.Net	SEC-2	0	0	2	100	0	0	100
BCA 237	AR/VR	SEC-2	0	0	2	100	0	0	100
Core Course Practical									
BCA 271#	Practical – VII C++ Lab #	Core Course Practical	0	4	2	40	0	60	100
Total					27				800

\# Generic Elective (GE) for other undergraduate programmes
* First Subject from Discipline specific chosen group
** Choose one subject from list of GE-1
*** NUES (Non – University Examination Subject) – Only Internal Assessment by the Institute), that is the assessment shall be conducted by the institution for all 100 marks as Teacher's Continuous Assessment.

**Instructions for MOOC course
1. MOOC Course should be done from SWAYAM/NPTEL as per the guidelines of UGC.
2. For securing the credits, the student is required to complete the assessment of the course and to provide the certificate of the course done from SWAYAM/NPTEL.

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3. The fees (if any) for the registration and/or assessment of the MOOC course must be borne by the student only.

4. If the student secures more than 2 credits for the MOOC Course even then 2 credits shall be considered for this subject and the grade/marks provided by assessing authority shall be transferred to the university by the institution where the student is studying. The result of the MOOC courses shall be taken on record by the University's Examination Division and a result declared for these papers. The student must submit the result of such papers to their respective institutions. All results for the MOOC's course may be submitted before the completion of other requirements including credit requirements.

5. If the student secures more than 2 credits for the MOOC Course even then 2 credits shall be considered for this subject and the grade/marks provided by assessing authority shall be transferred to the university.

TOTAL MARKS: 800

FOURTH SEMESTER EXAMINATION

Code No.	Paper	Course Type	L	T/P	Credits	Marks Internal	Marks External Th	Marks External Pr	Max Marks
Core Course Theory								
BCA 202	Java Programming	Core Course Theory	3	1	4	25	75	0	100
BCA 204	Software Engineering	Core Course Theory	3	1	4	25	75	0	100
Ability Enhancement Compulsory Course (AECC)								
BCA 206	Introduction to Management & Entrepreneurship Development	AECC	3	1	4	25	75	0	100
*Discipline Specific Elective (Choose any One)								
BCA 212	Introduction to Data Science	DSE-2	4	1	5	25	50	25	100
BCA 214	Introduction to Artificial Intelligence	DSE-2	4	1	5	25	50	25	100
BCA 216	Network Security	DSE-2	4	1	5	25	50	25	100
BCA 218	Web Development with Python	DSE-2	4	1	5	25	50	25	100
**Generic Elective (Choose any One)								
BCA 222	Digital Marketing	GE-2	3	1	4	25	75	0	100
BCA 224	Principles of Accounting	GE-2	3	1	4	25	75	0	100
BCA 226	Open Elective offered by other Department/ School /programme	GE-2	3	1	4	25	75	0	100
***Skill Enhancement Course (AEEC)								
BCA 232	Personality Development Skills	SEC-3	2	0	2	100	0	0	100
Core Course Practical								
BCA 272	Practical –XII Java Lab	Core Course Practical	0	4	2	40	0	60	100
BCA 274	Practical – IX SE Lab	Core Course Practical	0	4	2	40	0	60	100
	Total				27				800

* Second Subject from Discipline specific chosen group
** Choose one subject from list of GE-2
*** NUES (Non – University Examination Subject) – Only Internal Assessment by the Institute), that is the assessment shall be conducted by the institution for all 100 marks as Teacher's Continuous Assessment.

Summer Training will be held for 4 weeks after the end of fourth semester.
Viva-Voce will be conducted in fifth semester.
TOTAL MARKS: 800

Approved by BoS of USICT: 31/10/2021,
Applicable from Batch Admitted in Academic Session 2021-22 Onwards
Approved by AC sub-committee:22/11/2021
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FIFTH SEMESTER EXAMINATION

Code No.	Paper	Course Type	L	T/P	Credits	Marks Internal	Marks External Th	Marks External Pr	Max Marks
Core Course Theory									
BCA 301	Operating System & Linux Programming	Core Course Theory	3	1	4	25	75	0	100
BCA 303	Computer Graphics	Core Course Theory	3	1	4	25	75	0	100
BCA 305	Cloud Computing	Core Course Theory	3	1	4	25	75	0	100
Ability Enhancement Compulsory Course (AECC)									
BCA 307	Minor Project	AECC	0	8	4	40	0	60	100
***Discipline Specific Elective (Choose any One)**									
BCA 311	Data Visualization & Analytics	DSE-3	4	1	5	25	50	25	100
BCA 313	Machine Learning with Python	DSE-3	4	1	5	25	50	25	100
BCA 315	Web Security	DSE-3	4	1	5	25	50	25	100
BCA 317	Web Development with Java & JSP	DSE-3	4	1	5	25	50	25	100
Skill Enhancement Course (AEEC)									
BCA 331	**Summer Training Project	SEC-4	0	0	2	100	0	0	100
Core Course Practical									
BCA 371	Practical – X Linux - OS Lab	Core Course Practical	0	4	2	40	0	60	100
BCA 373	Practical – XI CG Lab	Core Course Practical	0	4	2	40	0	60	100
	Total				27				800

* Third Subject from Discipline specific chosen group
** NUES (Non – University Examination Subject) – Only Internal Assessment by the Institute), that is the assessment shall be conducted by the institution for all 100 marks as Teacher's Continuous Assessment.

TOTAL MARKS: 800

SIXTH SEMESTER EXAMINATION

Code No.	Paper	Course Type	L	T/P	Cred its	Marks Internal	Marks External		Max Mark s
							Th	Pr	
Core Course Theory									
BCA 302	Data Ware Housing & Data Mining	Core Course Theory	3	1	4	25	75	0	100
BCA 304#	E- Commerce	Core Course Theory	3	1	4	25	75	0	100
BCA 306	Internet of Things	Core Course Theory	3	1	4	25	75	0	100
Ability Enhancement Compulsory Course (AECC)									
BCA 308	***Major Project	AECC	----	12	6	40	0	60	100
*Discipline Specific Elective (Choose any One)									
BCA 312	Machine Learning with Python	DSE-4	4	1	5	25	50	25	100
BCA 314	Deep Learning with Python	DSE-4	4	1	5	25	50	25	100
BCA 316	IT Act and Cyber Laws	DSE-4	4	1	5	25	75		100
BCA 318	Mobile Application Development	DSE-4	4	1	5	25	50	25	100
**Skill Enhancement Course (AEEC)									
BCA 332	Seminar/ Conference Presentation	SEC – 5	0	0	2	100	0	0	100
Core Course Practical									
BCA 372	Practical – XII IOT Lab	Core Course Practical	0	4	2	40	0	60	100
BCA374	NSS / NCC / Cultural clubs / Technical Society / Technical club$	Mandatory	-	-	2	100	0	0	100
	Total				29				800

*Fourth Subject from Discipline specific chosen group

** NUES (Non – University Examination Subject) – Only Internal Assessment by the Institute), that is the assessment shall be conducted by the institution for all 100 marks as Teacher's Continuous Assessment. Evaluation will be based on the presentation on any latest technology/research article in in-house/external seminar/conference and will be conducted by the college committee only.

*** The student shall do the Major project in the Discipline Specific Area/Curriculum based subject /any emerging technology.

Generic Elective (GE) for other undergraduate programmes

$NUES : Comprehensive evaluation of the students by the concerned coordinator of NCC / NSS / Cultural Clubs / Technical Society / Technical Clubs, out of 100 as per the evaluation schemes worked out by these activity societies, organizations at the institution / University level; the co-ordinators shall be responsible for the evaluation of the same. These activities shall start from the 1st semester and the evaluation shall be conducted at the end of the 6th semester for students admitted in the first semester.

Note: Any Elective Subject will be offered if minimum 1/3 rd of the total strength of students in the class will opt for it.

SCHEME OF EXAMINATION

&

SYLLABI

Of

BACHELOR OF ARTS (JOURNALISM & MASS COMMUNICATION)

as per

CHOICE BASED CREDIT SYSTEM

For

First to Sixth Semester

(to be effective from Academic Session 2016-2017 onwards)

GURU GOBIND SINGH INDRAPRASTHA UNIVERSITY

16-C DWARKA, NEW DELHI-110078

i. Approved in the 8th Meeting of the Board of Studies held on 27.06.2016
ii. To be effective from the Academic Session 2016-17 onwards

BACHELOR OF ARTS (JOURNALISM & MASS COMMUNICATION)

FIRST SEMESTER EXAMINATION

Course Code	Course Title	L	T/P	Credits
CORE COURSES	**THEORY**			
BA (JMC) 101	Communication: Concepts & Processes	4	-	4
BA (JMC) 103	Contemporary India: An Overview	4	-	4
BA (JMC) 105	Basics of Design and Graphics	4	-	4
PRACTICAL/SEMINARS/VIVA VOCE				
BA (JMC) 151	Communication Skills Lab	-	2	2
BA (JMC) 153	Contemporary India: Issues and Debates (Seminars/ Presentations)	-	2	2
BA (JMC) 155	Design & Graphics Lab – I	-	2	2
ELECTIVE COURSES (Select any one from the following)				
BA (JMC) 107	Personality Development	4	-	4
BA (JMC) 109	Writing Skills	4	-	4
BA (JMC) 111	Indian Culture (For Foreign Students Only)*	4	-	4
PRACTICAL/VIVA VOCE (Select Corresponding Lab based on Elective Course)				
BA (JMC) 157	Personality Development Lab	-	2	2
BA (JMC) 159	Writing Skills Lab	-	2	2
TOTAL		16	8*2=16**	24***

*Foreign students will study Course Code BA (JMC) 111, Course Title- Indian Culture as Elective Course along with Course Code BA (JMC) 157, Course Title- Personality Development Lab as Practical Course.
**In practical courses, one credit equals two hours of teaching/ training/ learning.
***Total number of credits include credits of compulsory three Core Courses along with credits of their respective labs and credits of one Elective Course along with credits of corresponding lab/ seminars/ presentations/ workshops.

SECOND SEMESTER EXAMINATION

Course Code	Course Title	L	T/P	Credits
CORE COURSES	**THEORY**			
BA (JMC) 102	Print Journalism	4	-	4
BA (JMC) 104	Media Laws and Ethics	4	-	4
BA (JMC) 106	Still Photography	4	-	4
PRACTICAL/VIVA VOCE				
BA (JMC) 152	Print Journalism Lab	-	2	2
BA (JMC) 154	Still Photography Lab	-	2	2
BA (JMC) 156	Design and Graphics Lab – II	-	2	2
ELECTIVE COURSES (Select any one from the following)				
BA (JMC) 108	Health Communication	4	-	4
BA (JMC) 110	Sports Journalism	4	-	4
PRACTICAL/VIVA VOCE (Select Corresponding Lab based on Elective Course)				
BA (JMC) 158	Health Communication Lab	-	2	2
BA (JMC) 160	Sports Journalism Lab	-	2	2
TOTAL		16	8*2=16	24

Soon after the End-Term Examination of the Second Semester, the student shall undergo training/internship in Print Media for a period of four weeks. She/he shall submit in duplicate hard copy and a soft copy of Summer Training Report (STR) along with the DVD of multi-media presentation incorporating the work done during the training/ internship, at least four weeks before the commencement of End Term Examination of the Third Semester. The Summer Training Report shall be supervised by the internal faculty appointed by the Director/ Principal of the institute/ college.

i. Approved in the 8th Meeting of the Board of Studies held on 27.06.2016
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BACHELOR OF ARTS (JOURNALISM & MASS COMMUNICATION)

THIRD SEMESTER EXAMINATION

Course Code	Course Title	L	T/P	Credits
CORE COURSES	THEORY			
BA (JMC) 201	Development Communication	4	-	4
BA (JMC) 203	Basics of Radio Programming and Production	4	-	4
BA (JMC) 205	Basics of Video Camera, Lights and Sound	4	-	4
PRACTICAL/VIVA VOCE				
BA (JMC) 251	Radio Production Lab	-	2	2
BA (JMC) 253	Video Production Lab	-	2	2
BA (JMC) 255	Summer Training Report****	-	-	4
ELECTIVE COURSES (Select any one from the following)				
BA (JMC) 207	Radio Jockeying and News Reading	4	-	4
BA (JMC) 209	Video Editing	4	-	4
PRACTICAL/VIVA VOCE (Select Corresponding Lab based on Elective Course)				
BA (JMC) 257	Radio Jockeying and News Reading Lab	-	2	2
BA (JMC) 259	Video Editing Lab	-	2	2
TOTAL		16	6*2=12	26

**** The Summer Training Report carries 100 marks and shall be evaluated by the Board of Examiners comprising of an Internal Examiner and one External Examiner separately out of 50 marks each. The External Examiner shall be appointed by the Competent Authority.

FOURTH SEMESTER EXAMINATION

Course Code	Course Title	L	T/P	Credits
CORE COURSES	THEORY			
BA (JMC) 202	Basics of Advertising	4	-	4
BA (JMC) 204	Basics of Public Relations	4	-	4
BA (JMC) 206	Television Programming and Production	4	-	4
PRACTICAL/VIVA VOCE				
BA (JMC) 252	Advertising Lab	-	2	2
BA (JMC) 254	Public Relations Lab	-	2	2
BA (JMC) 256	TV Production Lab	-	2	2
ELECTIVE COURSES (Select any one from the following)				
BA (JMC) 208	Television News: Reporting and Anchoring	4	-	4
BA (JMC) 210	Corporate Communication	4	-	4
PRACTICAL/VIVA VOCE (Select Corresponding Lab based on Elective Course)				
BA (JMC) 258	Television News: Reporting and Anchoring Lab	-	2	2
BA (JMC) 260	Corporate Communication Lab	-	2	2
TOTAL		16	8*2=16	24

Soon after the End Term Examination of the Fourth Semester, each student shall undergo a Functional Exposure Training/ Internship for four weeks in Radio/TV/Advertising /Public Relations/NGO. She/ he shall submit in duplicate hard copy and a soft copy of Functional Exposure Report [FER] along with the DVD of multi-media presentation containing the actual experiential learning, at least 4 weeks before the commencement of End Term Examination of the Fifth Semester. The Functional Exposure Report shall be supervised by the internal faculty appointed by the Director/ Principal of the Institute/ College.

i. Approved in the 8th Meeting of the Board of Studies held on 27.06.2016
ii. To be effective from the Academic Session 2016-17 onwards

BACHELOR OF ARTS (JOURNALISM & MASS COMMUNICATION)

FIFTH SEMESTER EXAMINATION

Course Code	Course Title	L	T/P	Credits
CORE COURSES	**THEORY**			
BA (JMC) 301	Basics of New Media	4	-	4
BA (JMC) 303	Media Research	4	-	4
BA (JMC) 305	Event Management	4	-	4
PRACTICAL/VIVA VOCE				
BA (JMC) 351	New Media Lab	-	2	2
BA (JMC) 353	Media Research Lab	-	2	2
BA (JMC) 355	Event Management Lab	-	2	2
BA (JMC) 357	Functional Exposure Report*****	-	-	4
ELECTIVE COURSES (Select any one from the following)				
BA (JMC) 307	Digital Media Marketing	4	-	4
BA (JMC) 309	Film Appreciation	4	-	4
PRACTICAL/VIVA VOCE (Select Corresponding Lab based on Elective Course)				
BA (JMC) 359	Digital Media Marketing Lab	-	2	2
BA (JMC) 361	Film Appreciation Lab	-	2	2
TOTAL		16	8*2=16	28

*****The Functional Exposure Report [FER] carries 100 marks. The report shall be evaluated out of 50 marks each by a Board of Examiners comprising of Director/Principal or her/his nominee and one External Examiner separately out of 50 marks each. The External Examiner shall be appointed by the Competent Authority.

Each student shall be assigned the Final Project at the end of the Fifth Semester. The Final Project shall be pursued by her/him under the supervision of internal faculty in the Sixth Semester. The student shall make her/his Final Project on the theme/topic approved by the Director of the Institute/Principal in the Fifth Semester. She/ he shall submit in duplicate the hard copy and a soft copy in duplicate of the Final Project along with multi-media presentation at least four weeks before the date of commencement of the End-Term Examination of the Sixth Semester.

The Comprehensive Viva shall be based on all the courses of the programme and future projections of Media & Entertainment industry.

SIXTH SEMESTER EXAMINATION

Course Code	Course Title	L	T/P	Credits
CORE COURSES	**THEORY**			
BA (JMC) 302	Media Management and Entrepreneurship	4	-	4
BA (JMC) 304	Global Media: An Overview	4	-	4
BA (JMC) 306	Environment Communication	4	-	4
PRACTICAL/VIVA VOCE				
BA (JMC) 352	Final Project and Comprehensive Viva******	-	-	16
TOTAL		12	-	28

******The Final Project and Comprehensive Viva carries 100 Marks. It shall be evaluated by the Board of Examiners comprising of the Internal Examiner and External Examiner.

Note: The Board of Examiners shall comprise of the Director/ Principal or her/his nominee and two External Experts out of which one would preferably be from the corporate world i.e. media organisation operating in the country. The quorum shall be deemed to have met if two out of three members are present. The External Examiners shall be appointed by the Competent Authority.

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ii. To be effective from the Academic Session 2016-17 onwards

BACHELOR OF ARTS (JOURNALISM & MASS COMMUNICATION)

SCHEME OF EXAMINATION

INTERNAL EVALUATION

Theory Courses		Allocation of Marks: 25
Class Test	There shall be one Class Test in each semester for each of the Courses	10
Continuous Evaluation	It shall be based on Home Assignments & Class Assignments/Quiz Tests	10
Internal Assessment	It shall be based on Seminars/Presentations & Class Room Performance	5

Practical Courses		Allocation of Marks: 40
Class Test	There shall be one Class Test in each semester for each of the Lab Courses. It shall be based on Demonstration of Skills and Viva Voce	15
Continuous Evaluation	It shall be based on Assignments & Exercises	15
Internal Assessment:	It shall be based on Lab Performance in each Semester	10

EXTERNAL EVALUATION

The external evaluation for each Courses of the programme, shall be based on the students performance in the End-Term Theory and Practical Examination (as outlined in the detailed course scheme) i.e. 75 marks in Theory courses and 60 marks in Practical courses.

INSTRUCTIONS FOR PAPER SETTER/ MODERATOR
THEORY COURSES

Maximum Marks	75
Time	3 hours
Total Questions	5 questions of 15 marks each, out of which Question No. 1 will be compulsory.
Compulsory Question	The Paper Setter must ensure internal choice of 5 Short answer type questions of 3 marks each from all the four units.
Setting of Other Questions	Q.No.2 is to be set from Unit I, Q.No.3 from Unit II, Q.No.4 from Unit III and Q.No.5 from Unit IV along with internal choice for each question from each unit.
Distribution of Marks in these Questions	A question should either be a full-length question of 15 marks or 2 questions of 7 ½ marks each or 3 short notes of 5 marks each.

PRACTICAL/ SEMINAR/ PRESENTATION/ WORKSHOP

A.	Student(s) should be evaluated on the basis of the end-product prepared by them alongwith hard and soft copy of exercises/ assignments undertaken during the semester (45 marks)
B.	The examiner shall interview the student(s) to assess the knowledge/ understanding of the subject. (15 marks)
Max Marks	The marks prescribed for evaluating a student by the External Examiner are 60.

DISTRIBUTION OF CREDITS

Semester I	Semester II	Semester III	Semester IV	Semester V	Semester VI	Total
24	24	26	24	28	28	154

Note: **Total number of credits for the BACHELOR OF ARTS IN JOURNALISM & MASS COMMUNICATION - BA (JMC) = 154. For the award of degree a student must secure 150 credits.**

i. Approved in the 8th Meeting of the Board of Studies held on 27.06.2016
ii. To be effective from the Academic Session 2016-17 onwards