

CHOICE BASED CREDIT SYSTEM

(CBCS)

Guru Jambheshwar University of Science and Technology, Hisar

Scheme and Syllabi
for
(Third Semester Onwards)

Undergraduate Course:

B. SC. PHYSICAL SCIENCES

**(PHYSICS/GEOGRAPHY, CHEMISTRY/
ELECTRONICS/ COMPUTER SCIENCE/ COMPUTER
APPLICATIONS, MATHEMATICS)**

Under
The Faculty of Physical Sciences and Technology



w.e.f. Academic Session 2018-19

✓
**Principal
Deemed College
JTRAR**

Sen
14/6/19

P. Sen



GURU JAMBHESHWAR UNIVERSITY OF SCIENCE & TECHNOLOGY, HISAR
(Established by State Legislature Act 17 of 1995)
'A' Grade, NAAC Accredited

Head, Dept of Sc.

Acad /AC-III/2018 4574
Dated 28/8/18

aw
39/8/18

To Controller of Examinations,
GJUS&T, Hisar

Sub Approved revised Scheme & Syllabi of -

- i) **B.Sc. (Physical Science, Physics, Chemistry and Mathematics)**
- ii) B.Sc. (Physical Science, Physics, Electronics and Mathematics)
- iii) B.Sc. (Physical Science, Physics, Computer Sc and Mathematics)
- iv) B.Sc. (Physical Science, Geography, Computer Sc and Mathematics)
- v) Certificate and Diploma courses of "Computer Awareness" Non-credit course for all streams.

Sir/Madam,

In continuation to this office letter no. Acad./AC-III/F40/2018/3578-98 dated 25.07.2018 and Acad./AC-III/F40/2018/4271-90 dated 21.08.2018 (copy enclosed) on the subject cited above and to inform you that the Vice-Chancellor, on the recommendations of Dean, Faculty of Physical Sciences & Technology is pleased to approve the following revised/upgraded scheme and syllabi (copy enclosed) being run by affiliated degree colleges to be implemented w.e.f. the Academic Session 2018-19, under Section 11(5) of University Act, 1995 in anticipation of approval of the Academic Council, in place of already supplied the scheme & syllabi vide above mentioned letter by the Academic Branch.

- i) B.Sc. (Physical Science, Physics, Chemistry and Mathematics)
- ii) B.Sc. (Physical Science, Physics, Electronics and Mathematics)
- iii) B.Sc. (Physical Science, Physics, Computer Sc. and Mathematics)
- iv) B.Sc. (Physical Science, Geography, Computer Sc. and Mathematics)
- v) Certificate and Diploma courses of "Computer Awareness" Non-credit course for all streams.

Therefore, you are requested to take further necessary action at your end.

DA: As above

28/8/18
Deputy Registrar (Acad.)
for Registrar

Endst. No Acad./AC-III/18/4575-4600 Dated 28/8/18

A copy of the above is forwarded to the following for information and necessary action:-

1. Principal concerned affiliated colleges (where above said programmes run), GJUS&T, Hisar with the request to down load the scheme & syllabi of above course from the University Website.
2. Dean, Faculty of Physical Sciences & Technology, GJUS&T, Hisar.
3. Chairperson, Deptt. of Physics, GJUS&T, Hisar.
4. Chairperson, Deptt. of Chemistry, GJUS&T, Hisar.
5. Chairperson, Deptt. of Mathematics, GJUS&T, Hisar.
6. Director, UCIC, GJUS&T, Hisar with the request to upload this letter on the University Website.
7. SVC (for kind information of the Vice-Chancellor), GJUS&T, Hisar.
8. Suptd. O/o Registrar (for kind information of Registrar), GJUS&T, Hisar

Duty No. 3747 Date 28/8/18
File No. 46

28/8/18
Deputy Registrar (Acad.)

Principal
Principal
Exam Cell
JBAR

CHOICE BASED CREDIT SYSTEM

(CBCS)

Guru Jambheshwar University of Science and Technology, Hisar

Scheme and Syllabi
for
(Third Semester Onwards)

Undergraduate Course:

B. SC. PHYSICAL SCIENCES

(PHYSICS/GEOGRAPHY, CHEMISTRY/
ELECTRONICS/ COMPUTER SCIENCE/ COMPUTER
APPLICATIONS, MATHEMATICS)

Under

The Faculty of Physical Sciences and Technology



w.e.f. Academic Session 2018-19

Deen
14/6/19

Principals

Principal
Signature
TRAR



GURU JAMBHESHWAR UNIVERSITY OF SCIENCE & TECHNOLOGY, HISAR
(Established by State Legislature Act 17 of 1995)
A Grade NAAC Accredited

Head, Dept of Sc.

Acad /AC /10/2018 ^{44/26}
Dated 28/8/18

in
398/18

To
Controller of Examinations
GJUS&T Hisar

Sub Approved revised Scheme & Syllabi of-

- i) B.Sc (Physical Science, Physics, Chemistry and Mathematics)
- ii) B.Sc (Physical Science, Physics, Electronics and Mathematics)
- iii) **B.Sc (Physical Science, Physics, Computer Sc. and Mathematics)**
- iv) B.Sc (Physical Science, Geography, Computer Sc. and Mathematics)
- v) Certificate and Diploma courses of "Computer Awareness" Non-credit course for all streams.

Sir/Madam

In continuation to this office letter no Acad /AC-III/F40/2018/3578-98 dated 25.07.2018 and Acad /AC-III/F40/2018/4271-90 dated 21.08.2018 (copy enclosed) on the subject cited above and to inform you that the Vice-Chancellor on the recommendations of Dean, Faculty of Physical Sciences & Technology is pleased to approve the following revised/upgraded scheme and syllabi (copy enclosed) being run by affiliated degree colleges to be implemented w.e.f. the Academic Session 2018-19 under Section 11(5) of University Act, 1995 in anticipation of approval of the Academic Council, in place of already supplied the scheme & syllabi vide above mentioned letter by the Academic Branch.

- i) B.Sc (Physical Science, Physics, Chemistry and Mathematics)
- ii) B.Sc (Physical Science, Physics, Electronics and Mathematics)
- iii) B.Sc (Physical Science, Physics, Computer Sc. and Mathematics)
- iv) B.Sc (Physical Science, Geography, Computer Sc. and Mathematics)
- v) Certificate and Diploma courses of "Computer Awareness" Non-credit course for all streams

Therefore, you are requested to take further necessary action at your end

DA As above

28/8/18
Deputy Registrar (Acad)
for Registrar

Encls: No Acad / AC-III/18/4573-46 en Dated 28/8/18

A copy of the above is forwarded to the following for information and necessary action:-

1. Principal concerned affiliated colleges (where above said programmes run) GJUS&T, Hisar with the request to download the scheme & syllabi of above course from the University Website
2. Dean, Faculty of Physical Sciences & Technology, GJUS&T Hisar
3. Chairperson, Deptt of Physics, GJUS&T, Hisar,
4. Chairperson, Deptt of Chemistry, GJUS&T Hisar
5. Chairperson, Deptt of Mathematics, GJUS&T Hisar
6. Director UCIC, GJUS&T, Hisar with the request to upload this letter on the University Website
7. SVC (for kind information of the Vice-Chancellor) GJUS&T Hisar
8. Bundi: O/o Registrar (for kind information of Registrar) GJUS&T Hisar

File No. 3747 *378*
46 *3178*

28/8/18
Deputy Registrar (Acad)

Principal
Dayanand College
HISAR.

CHOICE BASED CREDIT SYSTEM

(CBCS)

Guru Jambheshwar University of Science and Technology, Hisar

Scheme and Syllabi
for
(Third Semester Onwards)

Undergraduate Course:

B. SC. PHYSICAL SCIENCES

(PHYSICS/GEOGRAPHY, CHEMISTRY/
ELECTRONICS/ COMPUTER SCIENCE/ COMPUTER
APPLICATIONS, MATHEMATICS)

Under

The Faculty of Physical Sciences and Technology



w.e.f. Academic Session 2018-19

Deen
14/6/19

Alexander

Principal
Department of Physical Sciences
GJTU, Hisar



GURU JAMBHESHWAR UNIVERSITY OF SCIENCE & TECHNOLOGY, HISAR
(Established by State Legislature Act 17 of 1995)
A Grade, NAAC Accredited

Head, Dept of Sc.

Acad/AC-III/2018/4575-4600
Dated 28/8/18

398/18

To
Controller of Examinations,
GJUS&T Hisar

Sub: Approved revised Scheme & Syllabi of

- i) B.Sc. (Physical Science, Physics, Chemistry and Mathematics)
- ii) B.Sc. (Physical Science, Physics, Electronics and Mathematics)
- iii) B.Sc. (Physical Science, Physics, Computer Sc and Mathematics)
- iv) B.Sc. (Physical Science, Geography, Computer Sc and Mathematics)
- v) Certificate and Diploma courses of "Computer Awareness" Non-credit course for all streams

Sir/Madam,

In continuation to this office letter no Acad/AC-III/F40/2018/3578-98 dated 25.07.2018 and Acad/AC-III/F40/2018/4271-90 dated 21.08.2018 (copy enclosed) on the subject cited above and to inform you that the Vice-Chancellor, on the recommendations of Dean, Faculty of Physical Sciences & Technology is pleased to approve the following revised/upgraded scheme and syllabi (copy enclosed) being run by affiliated degree colleges to be implemented w.e.f. the Academic Session 2018-19, under Section 11(5) of University Act, 1995 in anticipation of approval of the Academic Council, in place of already supplied the scheme & syllabi vide above mentioned letter by the Academic Branch.

- i) B.Sc. (Physical Science, Physics, Chemistry and Mathematics)
- ii) B.Sc. (Physical Science, Physics, Electronics and Mathematics)
- iii) B.Sc. (Physical Science, Physics, Computer Sc and Mathematics)
- iv) B.Sc. (Physical Science, Geography, Computer Sc, and Mathematics)
- v) Certificate and Diploma courses of "Computer Awareness" Non-credit course for all streams

Therefore, you are requested to take further necessary action at your end.

DA. As above

28/8/18
Deputy Registrar (Acad.)
for Registrar

Endst No Acad/AC-III/18/4575-4600 Dated 28/8/18

A copy of the above is forwarded to the following for information and necessary action:-

1. Principal concerned affiliated colleges (where above said programmes run), GJUS&T, Hisar with the request to down load the scheme & syllabi of above course from the University Website
2. Dean, Faculty of Physical Sciences & Technology, GJUS&T Hisar
3. Chairperson, Deptt of Physics, GJUS&T, Hisar
4. Chairperson, Deptt of Chemistry GJUS&T, Hisar
5. Chairperson, Deptt of Mathematics, GJUS&T Hisar
6. Director UCIC, GJUS&T, Hisar with the request to upload this letter on the University Website
7. SVC (for kind information of the Vice-Chancellor), GJUS&T, Hisar
8. Supdt. Of Registrar (for kind information of Registrar) GJUS&T Hisar

Principal
Principals
Devi Chand
MSAB

28/8/18
Deputy Registrar (Acad.)

File No. 3747 *28/8*
46 *31/8*

Scheme of Examination and Syllabus

Affiliated Colleges

(2018-19 w.e.f. Sem-III) and 2019-20 w.e.f. Sem-I) onwards

B. Sc. General (Medical Group) Botany

BASED ON
CHOICE BASED CREDIT SYSTEM



Department of Bio and Nanotechnology
Guru Jambheshwar University of Science & Technology
Hisar

Principal
Deyanand College
HISAR.

Proposed Structure and Syllabus

of

Zoology

for

B.Sc. Undergraduate Programme

1st to 3rd year w.e.f. 2019-20 onwards

&

2nd & 3rd year for the students admitted

in academic session 2018-19.

Based on:

U.G.C. Choice Based Credit System (CBCS)

Model Curriculum

[Signature]

[Signature]
07/6/19

[Signature]
Principal
Sri Ram College
17548

CHOICE BASED CREDIT SYSTEM

**B. Sc. PHYSICAL SCIENCE
(PHYSICS, CHEMISTRY, MATHEMATICS)**

B. Sc. CHEMISTRY

MILGARG

**DEPARTMENT OF CHEMISTRY
GURU JAMBHESHWAR UNIVERSITY OF
SCIENCE AND TECHNOLOGY, HISAR
w.e.f. 2018-19**

Handwritten notes and a blue stamp are visible in the bottom right corner. The stamp contains the text "MILGARG" and "H.S.R.".

DEPARTMENT OF ZOOLOGY

scheme & syllabi 2019

GURU JAMBHESHWAR UNIVERSITY OF SCIENCE & TECHNOLOGY, HISAR
(Established by State Legislature Act 17 of 1995)
'A' Grade, NAAC Accredited



Acad./AC-III/F-5&19/2019/ 2589
Dated: 20-06-19

Dr. Vineet Divakar Singh
Zoology Dept. Hisar
(A)
20/6/19

To

Controller of Examinations
GJUS&T, Hisar.

Sub: Approval of Scheme & Syllabi for various B.Sc. programmes w.e.f. Academic Session mentioned against each.

I am directed to inform you that the Vice-Chancellor, on the recommendations the Faculty of Environmental and Bio Sciences & Technology, vide resolution no. 2, in its meeting held on 20.03.2019, is pleased to approve the scheme & syllabi of B.Sc. programme(s) w.e.f. the academic session mentioned against each being run in affiliated degree colleges in anticipation of approval of the Academic Council under Section 11(5) of the University Act, 1995:-

Sr.No. Programmes:

1. B.Sc. General (Medical Group) Zoology of affiliated degree Colleges based on Choice Based Credit System 1st to 3rd year w.e.f. academic session 2019-20 onwards and also for 2nd year and 3rd year for the students admitted during academic session 2018-19.
2. B.Sc. General (Medical Group) Botany of Affiliated Degree Colleges based on Choice Based Credit System w.e.f. academic session 2018-19 for 3rd Semester onwards and Academic Session 2019-20 for 1st Semester onwards.
3. B.Sc. General (Medical Group) Botany 5th and 6th semester of affiliated Degree Colleges based on existing syllabus of Kurukshetra University, Kurukshetra for the students admitted in batch 2017-18.
4. B.Sc. General (Medical Group) Biotechnology of affiliated Degree Colleges based on Choice Based Credit System w.e.f. academic session 2018-19 for 3rd Semester onwards and Academic Session 2019-20 for 1st Semester onwards.
5. B.Sc. General (Medical Group) Biotechnology 5th and 6th semester of affiliated Degree Colleges based on existing syllabus of Kurukshetra University, Kurukshetra for the students admitted in batch 2017-18.

This is for your information and further necessary action in the matter.

DA: As above

Jangra
20/6/19
Dy. Registrar (Academic)

Endst. No.Acad./AC-III/F-5&19/2019/258599 Dated: 20-06-19

A copy of the above is forwarded to the following for information and necessary action:-

1. Dean Academic Affairs, GJUS&T, Hisar.
2. Dean of Colleges, GJUS&T, Hisar.
3. Dean, Faculty of Environmental and Bio Sciences & Technology, GJUS&T, Hisar.
4. Chairperson, Deptt. of Environmental Science & Engg., GJUS&T, Hisar alongwith copy of scheme & syllabi of B.Sc. General (Medical Group) Zoology at sr. no. 1. You are further requested to get upload the said scheme and syllabi on the University website
5. Chairperson, Deptt. of Bio & Nano Technology, GJUS&T, Hisar alongwith copy of scheme and syllabi of B.Sc. (Medical Group) Botany at sr. no. 2 and 3 and B.Sc. General (Medical Group) Biotechnology) at sr. no. 4 & 5. You are further requested to get upload the said scheme and syllabi on the University website
6. All concerned Affiliated Degree Colleges, GJUS&T, Hisar alongwith scheme and syllabi of B.Sc. (General) Medical Group from sr. no. 1 to 5.
7. SVC (for kind information of Vice-Chancellor), GJUS&T, Hisar.

DAYANAND COLLEGE, HISAR
Diary No. 2039 Date 20-6-19

Jangra
20/6/19

Proposed Structure and Syllabus

of

Zoology

for

B.Sc. Undergraduate Programme

1st to 3rd year w.e.f. 2019-20 onwards

&

2nd & 3rd year for the students admitted
in academic session 2018-19.

Based on:

U.G.C. Choice Based Credit System (CBCS)

Model Curriculum

Principal
Bhamburda College
Bhubaneswar

[Signature]

[Signature]
07/6/19

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Scheme of Examination and Syllabus

Affiliated Colleges

(2018-19 w.e.f. Sem-III and 2019-20 w.e.f. Sem-I)

B. Sc. (MEDICAL GROUP WITH BIOTECHNOLOGY)

BASED ON

CHOICE BASED CREDIT SYSTEM



Department of Bio and Nano Technology
Guru Jambheshwar University of Science & Technology
Hisar-125001

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Principal
Hisar

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Scheme of Examination and Syllabus

Affiliated Colleges

(2018-19 w.e.f. Sem-III) and 2019-20 w.e.f. Sem-I) onwards

B. Sc. General (Medical Group) Botany

BASED ON
CHOICE BASED CREDIT SYSTEM



Department of Bio and Nanotechnology
Guru Jambheshwar University of Science & Technology
Hisar

Principal
Gyanend Kumar
HAB



(Established by State Legislature Act 17 of 1995)
'A' Grade, NAAC Accredited

①
scheme & syllabi 2019

Dr. Vivek Srivastava
Zoology, Prof. ProTech. (5)
A
26/6/19

Acad./AC-III/F-5&19/2019/ 2584
Dated: 20-06-19

To

Controller of Examinations
GJUS&T, Hisar.

Sub: **Approval of Scheme & Syllabi for various B.Sc. programmes w.e.f. Academic Session mentioned against each.**

I am directed to inform you that the Vice-Chancellor, on the recommendations the Faculty of Environmental and Bio Sciences & Technology, vide resolution no. 2, in its meeting held on 20.03.2019, is pleased to approve the scheme & syllabi of B.Sc. programme(s) w.e.f. the academic session mentioned against each being run in affiliated degree colleges in anticipation of approval of the Academic Council under Section 11(5) of the University Act, 1995:-

Sr.No. Programmes:

1. B.Sc. General (Medical Group) Zoology of affiliated degree Colleges based on Choice Based Credit System 1st to 3rd year w.e.f. academic session 2019-20 onwards and also for 2nd year and 3rd year for the students admitted during academic session 2018-19.
2. B.Sc. General (Medical Group) Botany of Affiliated Degree Colleges based on Choice Based Credit System w.e.f. academic session 2018-19 for 3rd Semester onwards and Academic Session 2019-20 for 1st Semester onwards.
3. B.Sc. General (Medical Group) Botany 5th and 6th semester of affiliated Degree Colleges based on existing syllabus of Kurukshetra University, Kurukshetra for the students admitted in batch 2017-18.
4. B.Sc. General (Medical Group) Biotechnology of affiliated Degree Colleges based on Choice Based Credit System w.e.f. academic session 2018-19 for 3rd Semester onwards and Academic Session 2019-20 for 1st Semester onwards.
5. B.Sc. General (Medical Group) Biotechnology 5th and 6th semester of affiliated Degree Colleges based on existing syllabus of Kurukshetra University, Kurukshetra for the students admitted in batch 2017-18.

This is for your information and further necessary action in the matter.

DA: As above

Arora
20/6/19
Dy. Registrar (Academic)

Endst. No. Acad./AC-III/F-5&19/2019/2585-97 Dated: 20-06-19

A copy of the above is forwarded to the following for information and necessary action:-

1. Dean Academic Affairs, GJUS&T, Hisar.
2. Dean of Colleges, GJUS&T, Hisar.
3. Dean, Faculty of Environmental and Bio Sciences & Technology, GJUS&T, Hisar.
4. Chairperson, Deptt. of Environmental Science & Engg., GJUS&T, Hisar alongwith copy of scheme & syllabi of B.Sc. General (Medical Group) Zoology at sr. no. 1. You are further requested to get upload the said scheme and syllabi on the University website
5. Chairperson, Deptt. of Bio & Nano Technology, GJUS&T, Hisar alongwith copy of scheme and syllabi of B.Sc. (Medical Group) Botany at sr. no. 2 and 3 and B.Sc. General (Medical Group) Biotechnology) at sr. no. 4 & 5. . You are further requested to get upload the said scheme and syllabi on the University website
6. All concerned Affiliated Degree Colleges, GJUS&T, Hisar alongwith scheme and syllabi of B.Sc. (General) Medical Group from sr. no. 1 to 5..
7. SVC (for kind information of Vice-Chancellor), GJUS&T, Hisar.

Principal
GJUS&T
Hisar

Arora
20/6/19

(4)

Scheme of Examination and Syllabus
Affiliated Colleges
(2018-19)

M. Sc. (Biotechnology)
(1st and 2nd Semester)

Based on
Choice Based Credit System



Guru Jambheshwar University of Science & Technology
Hisar (Haryana)


Principal
Gayand College
HISAR



GURU JAMBHESHWAR UNIVERSITY OF SCIENCE & TECHNOLOGY, HISAR
(Established by State Legislature Act 17 of 1995)
'A' Grade, NAAC Accredited

Dr. Vineet Singh
25/6/19

Acad./AC-III/F-5&19/2019/2238

Dated: 07.06.19

To

The Controller of Examinations
GJUS&T, Hisar.

Sub: **Approval of revised Scheme & Syllabi of M.Sc. (Biotechnology) w.e.f. academic session 2018-19 3rd semester onwards and w.e.f. academic session 2019-20 1st semester onwards.**

I am directed to inform you that the Vice-Chancellor, on the recommendations the Faculty of Environmental and Bio Sciences & Technology vide resolution no. 7 in its meeting held on 20.03.2019, is please to approve the Scheme & Syllabi of M.Sc. (Biotechnology) programme w.e.f. academic session 2018-19 3rd semester onwards and w.e.f. academic session 2019-20 1st semester onwards being run in University Teaching Departments and affiliated degree College(s) in anticipation of approval of the Academic Council under Section 11(5) of the University Act, 1995. A copy of the scheme & syllabi of the above said programme is enclosed herewith.

This is for your information and further necessary action in the matter.

DA: As above

Dy. Registrar (Academic)

Endst. No. Acad./AC-III/F-5&19/2019/2239-2244

Dated: 07.06.19

A copy of the above is forwarded to the following for information and necessary action:-

1. Dean Academic Affairs, GJUS&T, Hisar.
2. Dean of Colleges, GJUS&T, Hisar.
3. Dean, Faculty of Environmental and Bio Sciences & Technology, GJUS&T, Hisar.
4. Chairperson, Deptt. of Bio & Nano Technology, GJUS&T, Hisar. (alongwith a copy of Scheme & Syllabi of M.Sc. (Biotechnology) w.e.f. academic session 2018-19 3rd semester onwards and w.e.f. academic session 2019-20 1st semester onwards)
5. Principal, D.N. College, Hisar. (alongwith a copy of Scheme & Syllabi of M.Sc. (Biotechnology) w.e.f. academic session 2018-19 3rd semester onwards and w.e.f. academic session 2019-20 1st semester onwards)

DAYANAND COLLEGE, HISAR

Diary No. 078 Date 27/6/19

File No. 68

Dy. Registrar (Academic)



GURU JAMBHESHWAR UNIVERSITY OF SCIENCE & TECHNOLOGY, HISAR
(Established by State Legislature Act 17 of 1995)
'A' Grade, NAAC Accredited State Govt. University

1/2 Be A
Mr. Narinder Kaur
For Justice
Syllabi 2020
3/11/20

Acad./AC-III/BOS&R-28/2020/ 6/88
Dated: 26/11/2020

To

The Controller of Examinations
GJUS&T, Hisar.

Sub: Approval of scheme of examinations and syllabi of BCA programme (1st & 2nd semester) w.e.f. academic session 2020-21 being run in the affiliated Colleges and Directorate of Distance Education.

Sir,

I am directed to inform you that the Vice-Chancellor, on the recommendations of Faculty of Engg. & Technology vide resolution no. 4(i) in its meeting held on 10.11.2020, is pleased to approve the scheme of examinations and syllabi of BCA programme (1st & 2nd semester) offered through regular mode (for affiliated Colleges) and distance mode by Directorate of Distance Education to be implemented w.e.f. academic session 2020-21, under Section 11(5) of the University Act, 1995 in anticipation of approval of the Academic Council.

A copy of the scheme of examinations & syllabi of above said programme is enclosed herewith.

You are therefore, requested to take further necessary action accordingly.

Yours faithfully

DA: As above

Aandhi
26.11.2020
Assistant Registrar (Academic)
for Registrar

Endst. No. Acad./AC-III/BOS&R-28/2020/ 6/89-97

Dated: 26/11/2020

A copy of the above is forwarded to the following for information and necessary action:-

1. Dean, Faculty of Engg. & Technology, GJUS&T, Hisar
2. Dean of Colleges, GJUS&T, Hisar.
3. Director, Directorate of Distance Education, GJUS&T, Hisar alongwith scheme of examinations and syllabi of BCA programme (1st & 2nd semester) w.e.f. 2020-21.
4. Chairperson, Department of Computer Science & Engg., GJUS&T, Hisar alongwith scheme of examinations and syllabi of BCA programme (1st & 2nd semester) w.e.f. 2020-21. He is requested to arrange to upload the scheme of examinations & syllabi of above said programmes on the website of the University.
5. Principals, concerned affiliated Colleges, GJUS&T, Hisar alongwith scheme of examinations and syllabi of BCA programme (1st & 2nd semester) w.e.f. 2020-21.
6. Secretary to Vice-Chancellor (for kind information of the Vice-Chancellor), GJUS&T, Hisar.
7. Supdt. O/o Registrar (for kind information of the Registrar), GJUS&T, Hisar.

Principal
Deemed to be
GJUS&T, Hisar

Aandhi
26.11.2020
Assistant Registrar (Academic)

**Scheme of Examination for
Bachelor of Computer Applications (BCA)
Three-Year Programme under CBCS Scheme
w.e.f. Academic Session 2020-21**

BCA SEMESTER-I

6

Course Code	Course Title	Credit	Int.	Ext.	Total
BCA-PC(L)-111	Environmental Studies	4	30	70	100
BCA-PC(L)-112	Mathematical Foundation	3	30	70	100
BCA-PC(L)-113	Computer and Programming Fundamentals	3	30	70	100
BCA-PC(L)-114	PC Software	3	30	70	100
BCA-PC(L)-115	Problem Solving Through C	3	30	70	100
BCA-PC(P)-116	Problem Solving Through C Lab	2	30	70	100
BCA-PC(P)-117	PC Software Lab	2	30	70	100
Total		20	210	490	700

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BCA SEMESTER -II

Course No.	Course Title	Credit	Int.	Ext.	Total
BCA-PC(L)-121	Communication Skills and Personality Development ✓	3	30	70	100
BCA-PC(L)-122	Computer Oriented Numerical Methods	3	30	70	100
BCA-PC(L)-123	Data Structures ✓	3	30	70	100
BCA-PC(L)-124	Operating System ✓	3	30	70	100
BCA-PC(L)-125	Management Information System ✓	3	30	70	100
BCA-PC(P)-126	Data Structure Lab ✓	2	30	70	100
BCA-PC(P)-127	Operating System Lab ✓	2	30	70	100
Total		19	210	490	700

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**Principals
Gyanand College
G.B.A.R.**

BCA SEMESTER-III

Course No.	Course Title	Credit	Int.	Ext.	Total
BCA-PC(L)-231	Object Oriented Programming using C++	3	30	70	100
BCA-PC(L)-232	Web Designing	3	30	70	100
BCA-PC(L)-233	Digital Electronics	3	30	70	100
BCA-PC(L)-234	Introduction to Database Systems	3	30	70	100
BCA-PC(L)-235	Advanced Data Structures	3	30	70	100
BCA-PC(P)-236	Object Oriented Programming using C++ Lab	2	30	70	100
BCA-PC(P)-237	Web Designing Lab	2	30	70	100
Total		19	210	490	700

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BCA SEMESTER-IV

Course No.	Course Title	Credit	Int.	Ext.	Total
BCA-PC(L)-241	Java Programming	3	30	70	100
BCA-PC(L)-242	RDBMS	3	30	70	100
BCA-PC(L)-243	Computer Architecture	3	30	70	100
BCA-PC(L)-244	Computer Networks	3	30	70	100
	Elective-I	3	30	70	100
BCA-PC(P)-246	Java Programming Lab	2	30	70	100
BCA-PC(P)-247	RDBMS Lab	2	30	70	100
Total		19	210	490	700

Paper No	Elective I Choice
BCA-PE(L)-241	Advanced Web Designing ✓
BCA-PE(L)-242	Mobile Application Development
BCA-PE(L)-243	System Administration & Maintenance

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UNIVERSITY OF PUNJAB
FEROZ PUNJAB
FEROZ PUNJAB

THE CURRICULUM BOOK OF

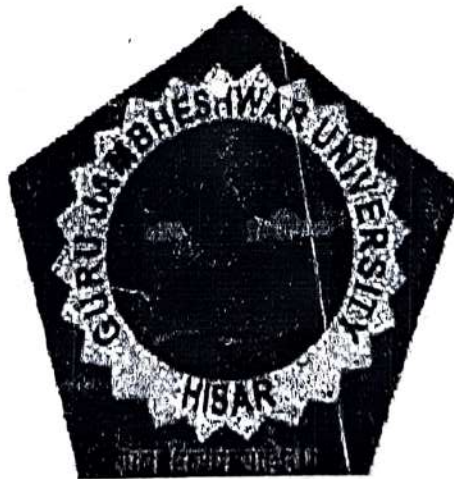
MASTER OF COMMERCE (M.COM)

Specialization: Finance, Human Resource Management and Marketing

TWO YEARS (FOUR SEMESTERS) PROGRAMME

Choice Based Credit System on Outcome Based Education

(Effective from Session 2020-21)



HARYANA SCHOOL OF BUSINESS
GURU JAMBHESHWAR UNIVERSITY OF SCIENCE
AND TECHNOLOGY HISAR-125001, HARYANA

(YEAR-2020)

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पुस्तक



GURU JAMBHESHWAR UNIVERSITY OF SCIENCE & TECHNOLOGY, HISAR
(Established by State Legislature Act 17 of 1995)
A Grade, NAAC Accredited State Govt. University

Acad./AC-III/BOS&R-5/2020/ 4826
Dated 18/9/2020

To: The Controller of Examinations
GJUS&T, Hisar

Sub: Approval of revised scheme of examinations and syllabi of MBA, MBA (IB), MBA (Finance), MBA (Marketing) and M.Com programme(s) w.e.f. academic session 2020-21 being run in Haryana School of Business and affiliated degree College(s).

It is directed to inform you that the Vice-Chancellor on the recommendations of Dean, Faculty School of Haryana School of Business vide resolution no. 1 in its meeting held on 05.09.2020 and BOS&R in Haryana School of Business vide resolution no. 3 in its meeting held on 14.05.2020 is pleased to approve the revised scheme of examinations and syllabi of MBA, MBA (IB), MBA (Finance), MBA (Marketing) and M.Com programme(s) based on Outcome Based Education and Choice Based Credit Based System to be implemented w.e.f. academic session 2020-21 being run in Haryana School of Business and affiliated degree college(s), under Section 11(5) of the University Act, 1995 in anticipation of approval of the Academic Council.

A copy of the scheme of examinations & syllabi of above programme is enclosed herewith.

You are therefore, requested to take further necessary action accordingly.

Yours faithfully

DA: As above

[Signature]
Asslt. Registrar (Academic)
for Registrar

Endst. No Acad./AC-III/BOS&R-5/2020/ 4827-36 Dated 18/9/2020

A copy of the above is forwarded to the following for information and necessary action -

1. Dean, Faculty/School of Haryana School of Business, GJUS&T, Hisar
2. Director, Haryana School of Business, GJUS&T, Hisar alongwith revised scheme of examinations and syllabi of MBA, MBA (IB), MBA (Finance), MBA (Marketing) and M.Com programme(s) w.e.f. 2020-21. Further, he is requested to arrange to upload the scheme of examinations & syllabi of above said programmes on the website of the University.
3. Principals, Concerned affiliated Colleges, GJUS&T, Hisar alongwith scheme of examinations and syllabi of M.Com programme w.e.f. 2020-21.
4. Secretary to Vice-Chancellor (for kind information of the Vice-Chancellor), GJUS&T, Hisar.
5. Supdt. O/o Registrar (for kind information of the Registrar), GJUS&T, Hisar.

[Signature]
Asslt. Registrar (Academic)
for Registrar

RECEIVED
OFFICE OF THE
REGISTRAR
GJUS&T, HISAR