



Dr.B.R.AMBEDKAR UNIVERSITY, SRIKAKULAM
ETCHERLA-532 410 (AP), INDIA

Prof. K. Raghu Babu,
Registrar

Office Tel. No.: 08942-281518
Fax No.: 281972
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e-mail: regdrbrau@yahoo.com

No.BRAU/Fi:Recon. BOS./2019

Dt.10-04-2019

PROCEEDINGS OF THE VICE-CHANCELLOR

Sub: Dr. B. R. Ambedkar University Srikakulam – Reconstitution of PG BOS - Orders – Issued.
Read: Proposals of the Course Coordinator, Organic Chemistry & Note orders of Hon'ble Vice-Chancellor

ORDER:

According to Section-IV, Chapter X of Board of Studies, Code Volume-I, relates to the nomination of the Chairman/Chairperson, Board of Studies, the Hon'ble Vice-Chancellor, is pleased to nominate the reconstitution of PG Board of Studies of Organic Chemistry, Dr.B.R.Ambedkar University, Srikakulam as Chairperson, Board of Studies in Organic Chemistry (PG), for a period of three years from the date of taking charge.

| S. No. | Category | Chairman BOS | Name & Designation of the Faculty Member |
|------------|---|-------------------|--|
| I | Category – I | Chairman | Prof. M.V.Basaveswara Rao, Krishna University, Machilipatnam. |
| II | Category – II | | |
| 1 | One Academician from outside AP | Member | Prof.Ch. Subrahmanyam, IIT, Hyderabad, TS |
| 2 | One Academician from within AP | Member | Dr. V. Siddaiah, Associate Professor, Organic Chemistry, Andhra University, VSP |
| 3 | One Member from Professional Societies/Bodies | Member | Prof.K.Basavaiah, Dept of Inorganic & Analytical Chemistry, AU, Visakhapatnam. |
| 4 | One member from Research Labs/R&D organizations | Member | Dr.Debendra Kumar Mohapatra, Senior Principal Scientist, Dept of Organic Synthesis & Process Chemistry, CSIR-Indian Institute of Chemical Technology, Tarnaka, Hyderabad-500 007, TS, 97041 68866, email: mohapatra@iiict.res.in |
| 5 | One member from industry | Member | Dr. Ch.B.V.N. Raju (R&D), Dr. Reddy Labs, Pydibhimavaram |
| 6 | All permanent faculty | Members | As per availability |
| 7 | Contract faculty | Associate Members | 1. Dr.B. Vinu, Asst.Professor (C) 2. Dr.A.Ananda Mohan, Asst.Professor (C) 3. Dr. G.Padma Rao, Asst.Professor (C) |
| III | Category III Stakeholders | | |
| 1 | One Member - parents community | Members | Sri D.Srinivasa Rao, Ranasthalam |
| 2 | Meritorious outgoing student | | G. Aruna Kumari, PGT, Kendriya Vidyalaya, VSP (for AY 2018-19 only) |
| 3 | From Govt. Service Organization Dist./State Service | | Dr. N. Ramana, Chemist, ONGC, Rajahmundry |
| 4 | From NGO/Community service | | P.Bhudevi, Chinnaiah, Adhivasi Vikas Sangam, SKLM |
| 5 | From Alumni | | As per choice & availability |
| 6 | From Employer | | As per choice & availability |

(By order)

To
Prof.M.V.Basaveswara Rao, Department of Organic Chemistry,
Krishna University, Machilipatnam
Copy to: The Course Coordinator, Department of Organic Chemistry
Office of the Hon'ble Vice-Chancellor, Principal, College of Science
Registrar's Peshi, The Coordinator, IQAC

K. Raghu Babu,
Registrar

Dr.B.R.Ambedkar University, Srikakulam
Etcherla - 532 410 (A.P.), India



Dr.B.R.AMBEDKAR UNIVERSITY, SRIKAKULAM
ETCHERLA-532 410 (AP), INDIA

Prof. K.Raghu Babu
Registrar

PBX: 08942-240900; Office:281518
Fax: 281972
Mobile: 09490475588
email:regdrbrau@gmail.com

No. BRAU/Fi: Annual BoS /2020-21

Dt. 15.06.2020.

C I R C U L A R

It is informed to all the Principals of Constituent Colleges, Deans/Co-ordinators /Chairman, BoS & Members, BoS/HODs/Course Coordinators of all Departments of the University to submit the Structure/Scheme of Syllabus in the given pattern in the context of conducting annual PG & Professional Programmes Board of Studies meeting by Dr. B.R. Ambedkar University, Srikakulam on 08.04.2019 (Monday) and in this connection the following pattern may be followed scrupulously and it is to be included in the syllabus book with content of Syllabus for the following structure of Syllabus in detail.

SCHEME/ STRUCTURE OF SYLLABUS

| <u>Semester - I</u> | <u>No. of Credits</u> |
|---|------------------------------|
| 1. Core Courses – Minimum - IV to Maximum –VIII for each programme, 3 to 4 credits for each Course and 2 to 3 credits for each Lab | 18 to 22 |
| 2. Skill Development Course | 2 |
| 3. MOOC's Course (Swayam / NPTEL etc..) | 2 |
| 4. Field visits/ Society Engagement Programs /University Social responsibility activities | 2 |
| 5. Summer internships/Project based learning/Problem based learning/Village connect activities/Village adoption/ Skill based learning/Entrepreneurship Programmes/ Patents/Intellectual Property Rights Creative Arts and Physical Education & Yoga/ Co-Curricular and Extra Curricular activities/Swatch Bharath/ Unnati Bharath Abhiyan/ Clean & Green etc. | 1 |
| <u>Semester – II</u> | <u>No. of Credits</u> |
| 1. Core Courses – Minimum - IV to Maximum –VIII for each programme 3 to 4 credits for each Course | 18 to 22 |
| 2. Skill Development Course | 2 |
| 3. MOOC's Course (Swayam / NPTEL etc..) | 2 |
| 4. Field visits/Society Engagement Programs/University Social responsibility activities | 2 |
| 5. Summer internships/Project based learning/Problem based learning/Village connect activities/Village adoption/ Skill based learning/Entrepreneurship Programmes/ Patents/Intellectual Property Rights Creative Arts and Physical Education & Yoga/ Co-Curricular and Extra Curricular activities/Swatch Bharath/ Unnati Bharath Abhiyan/ Clean & Green etc. | 1 |
| <u>Semester - III</u> | <u>No. of Credits</u> |
| 1. Core Courses – Minimum - II to Maximum -VI | 9 to 15 |
| 2. Core Electives – 2, Courses mandatory (Each elective consists of Minimum 4 Courses) | 6 to 8 |
| 3. Skill Development Course | 2 |
| 4. MOOC's Course (Swayam / NPTEL etc.) | 2 |
| 5. Field visits/ -Society Engagement Programs /University Social responsibility activities | 2 |
| 6. Summer internships/Project based learning/Problem based learning/Village connect activities/Village adoption/ Skill based learning/Entrepreneurship Programmes/ Patents/Intellectual Property Rights Creative Arts and Physical Education & Yoga/ Co-Curricular and Extra Curricular activities/Swatch Bharath/ Unnati Bharath Abhiyan/ Clean & Green etc. | 1 |
| 7. Open/ Free Elective as add on course (Not mandatory & It is optional) | 2 |

| <u>Semester – IV</u> | | <u>No. of Credits</u> |
|---|--|-----------------------|
| 1. Core Courses – Minimum - II to Maximum -VI | | 9 to 15 |
| 2. Core Elective - 2 Courses (Each elective consists of Minimum 4 Courses) | | 6 to 8 |
| 3. Open/free Elective as add on course | | 2 |
| 4. Skill Development Course | | 2 |
| 5. MOOC's Course (Swayam / NPTEL etc..) | | 2 |
| 6. Field visits/Society Engagement Programs /University Social responsibility activities | | 2 |
| 7. Summer internships/Project based learning/Problem based learning/Village connect activities/Village adoption/ Skill based learning/Entrepreneurship Programmes/ Patents/Intellectual Property Rights Creative Arts and Physical Education & Yoga/ Co-Curricular and Extra Curricular activities/Swatch Bharath/ Unnati Bharath Abhiyan/ Clean & Green etc. | | 1 |
| 8. Open/Free Elective as add on course | | 2 |
| 9. Project work – Duration Minimum 4 to Maximum 8 weeks (Credits are Minimum 4 to Maximum 8) | | 4 to 8 |

All the Principals of Constituent Colleges, Deans/Co-ordinators /Chairman, BoS & Members, BoS/HODs/Course Coordinators of all Departments should submit (Soft & Hard copies) the above information to the undersigned on or before 5 PM 18.06.2020 through proper channel and any proposals received after the due date will not be entertained.

(Signature)
REGISTRAR

To
The Principal, College of Arts, Commerce, Law & Education
The Principal, College of Science
The Principal, College of Engineering
Copies to: Office of the Hon'ble Vice-Chancellor
The Chairman, BOS & BOS Members
All Deans/ Co-ordinators, Dr BRAU, SKLM
All Heads/Course Coordinators of the Departments.
The Chief Wardens (Boys & Girls Hostels)
The Asst. Principals
The Librarian
The Programme Coordinator, NSS Cell

Registrar
Dr. B.R. Ambedkar University Srikakulam
ETCHERLA - 532 410

Agenda for the Annual Boards of Studies Meetings in Arts, Commerce, Law, Education, Science and Engineering courses.

1. To Propose additions or omissions to the consolidated list of persons eligible to serve as paper setters examiners.

Note: Information regarding the subjects in which the persons mentioned in the list are especially proficient should be noted should the Board desires that any person's name be deleted from the list for confidential reasons, the Board should send us its recommendations in the form of a resolution stating the reasons in full in a confidential communication to the Registrar.

2. To recommend text books for the several University Examinations with which the Board is concerned.

Notes: a). Text books for the several University Examinations with which the Board deals may be recommended text books for any of the University Examination, the Chairman may furnish in the minutes that text books are not necessary for the examination and that the syllabus prescribed may be followed.


b). It is important that the Board should satisfy itself (i) that an adequate number of copies of the text books particularly in vernaculars and other oriental languages recommended of all the Examinations are available for the use of the students. (ii) that when such number is not available now, the board has made enquires and satisfied itself that necessary arrangements will be made for their being available before the course commences and; (iii) the books should not contain absence and objectionable passages but are suitable in style and subject matter for University study and literature. The Chairman requested to state when lists are sent to the Registrar which of the books falls in category (I) and which under category (II) The Chairman is also requested to see that the full postal address of the authors and book sellers are furnished as far as possible in respect of the books recommended for study by the Board of Studies.

3. To consider the question papers setters for the Examinations.
4. To consider recommending panel of experts from outside the University area as required under section 43 of chapter VII of the A.P. Universities Act 1991 for constitution of section committees and send the same to the Vice-Chancellor in closed cover.
5. To consider equivalency for the subject between yearend pattern to the Semester pattern and when there is no equivalency between these two, the course of action to be taken and the guidelines in this behalf.
6. To consider the forwarding the model question papers with the signature of the Chairman/Chairperson on each page within 15 days from the meeting or the Board of Studies.
7. To consider that any proposal for starting of new course shall be routed through the Dean, Faculty concerned along with minutes of the meeting of the Board of Studies of the respective board with full details i.e., year of effect, syllabi, scheme of instruction/ Examination proposed fee structure and needs of the Industry/Student community.
8. To consider that if any proposal to revamp the syllabi is to be given effect from the forth coming batches only and should not encourage to revise the syllabus for a particular subject or subjects or to a single unit/units in the middle of the academic year to avoid confusion among the student community, paper setting work and conduct the Examinations smoothly and unnecessary expenditure occurred by the University.
9. To consider any proposal for modified/revised syllabi for any course shall submit in a single spell for getting approval of statutory bodies and communicate the same to the concerned sections and affiliated colleges to offer the said courses for taking necessary further action.

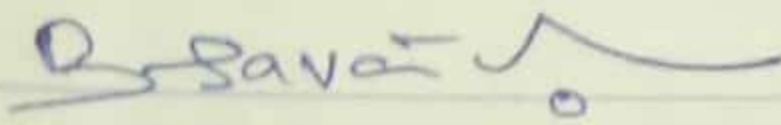
10. As Per Executive Council Resolutions that the syllabus, curriculum and Regulations once formulated-shall ordinarily be in force for at least 4/3/2 year and whenever the UG/PG/Diploma syllabi undergo change, the transitory provision shall be in force only for 3/3 years.
11. To consider elaborate discussion towards
(a) Digital Education (b) Physical Education (c) Yoga & Fitness Management (d) Filed works/
Extension work/ outreach /University social responsibility (USR) activities (e) soft skills/ HR
Skills/ Placement training/ Employability Skills trainings (d) Skill development programme
course reviews
(i) Grammar (ii) Communication Skills (iii) Mental Ability & Reasoning (iv) Soft skills
12. To consider any other cognate subject with the permission of the Chairman/Chairperson.

Members attended :

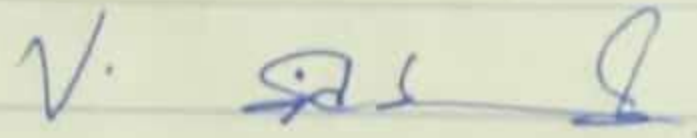
① prof. M.V. Basavarajula Rao
Chairman BOS


06/07/2019

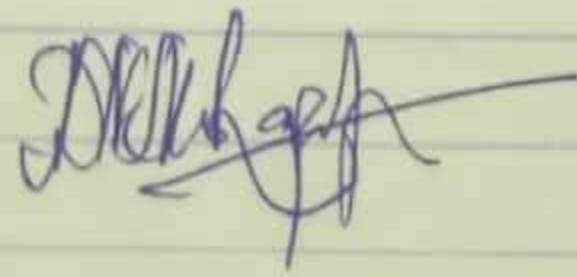
② prof. K. Basavaiah
Member BOS



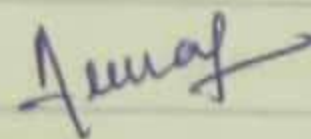
③ Dr. V. Siddaiah
Member BOS



④ Dr. Debenkha K. Mahapatra
Member BOS



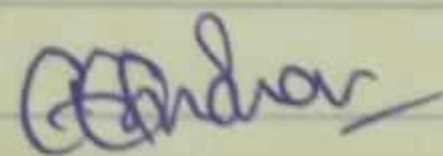
5. G. Aruna
Alumni member



6. Dr. B. Vinu
Associate member



7. Dr. A. Ananda Mohan
Associate member



8. Dr. G. padma Rao
Associate member





(K. RAGHU BABU)

Registrar

Dr. B.R. Ambedkar University, Srikalahasti
Etcherla - 532 410 (A.P.), India



QUESTION PAPER FORMAT FOR PG EXAMINATIONS (ARTS, COMMERCE, EDUCATION & SCIENCE PROGRAMMES)

DEGREE :
PROGRAMME :
SEMESTER :
BRANCH :
SUBJECT Code and Name :

(Codes/Tables/Charts to be permitted, if any may be indicated _____)

To be downloaded
www.brau.edu
Examination

Time : 3 Hours

Answer All Questions

Max. Marks

PART – A (10 x 2 = 20 Marks)

Note to question paper setter

- * Five questions should be of lower order (LO) cognitive type i.e. remembrance type questions.
- * Five questions should be of intermediate order (IO) cognitive type i.e. understanding type questions.

| | | |
|----|--|--------|
| 1 | | UNIT 1 |
| 2 | | UNIT 1 |
| 3 | | UNIT 2 |
| 4 | | UNIT 2 |
| 5 | | UNIT 3 |
| 6 | | UNIT 3 |
| 7 | | UNIT 4 |
| 8 | | UNIT 4 |
| 9 | | UNIT 5 |
| 10 | | UNIT 5 |

PART – B (5 x 8 = 40 Marks)

Note to question paper setter

- * Two or Three questions (both subdivisions) should be of lower order (LO) cognitive type i.e. remembrance type questions.
- * Two or Three questions (both subdivisions) should be of intermediate order (IO) cognitive type i.e. understanding type questions.

| | | |
|----|---|--------|
| 11 | a | UNIT 1 |
| | b | UNIT 1 |
| | | (OR) |
| 12 | a | UNIT 1 |
| | b | UNIT 1 |
| | | (OR) |
| 13 | a | UNIT 2 |
| | b | UNIT 2 |
| | | (OR) |
| 14 | a | UNIT 2 |
| | b | UNIT 2 |
| | | (OR) |
| 15 | a | UNIT 3 |
| | b | UNIT 3 |
| | | (OR) |
| 16 | a | UNIT 3 |
| | b | UNIT 3 |
| | | (OR) |
| 17 | a | UNIT 4 |
| | b | UNIT 4 |
| | | (OR) |
| 18 | a | UNIT 4 |
| | b | UNIT 4 |
| | | (OR) |
| 19 | a | UNIT 5 |
| | b | UNIT 5 |
| | | (OR) |
| 20 | a | UNIT 5 |
| | b | UNIT 5 |

PART – C (1 x 5 = 5 Marks)

(Application / Design / Analysis / Evaluation / Creativity / Essay / Case study questions)

Part C should be a higher order cognitive type questions

| | | |
|----|---|------|
| 21 | a | |
| | b | |
| | | (OR) |
| 22 | a | |
| | b | |



**INSTRUCTIONS TO THE QUESTION PAPER SETTERS OF P.G EXAMINATIONS (ARTS, COMMERCE,
LAW, EDUCATION AND SCIENCE PROGRAMMES)**

1. No Duplicate copy of the Question Paper need be prepared.
2. Particulars regarding Regulations, Programme, Branch, Semester, Course Code/ Course, Duration and Maximum Marks must be clearly given in the Question Paper.
3. Please take specific care while indicating the marks for questions (marks must be given for each sub-division)
4. Please set the Questions covering the entire syllabus:
 - The Paper setters are requested to adhere strictly the norms / Syllabus while setting the question paper without any deviation.
 - Two Questions (without subdivisions) from each unit for Part – A and
 - One Question (with subdivisions) from each Unit for Part – B as given in the format enclosed.
 - Part – C Questions (with subdivisions) should be of either / or type involving higher order cognitive questions that test the application / design / analysis / evaluation / creativity / case study of the subject.
 - In the case of non uniform distribution of syllabus, kindly set the Question paper proportionate to number of hours as mentioned in the syllabus prescribed by the University.
5. Diagrams / Sketches / Figure / Table must be neatly drawn with all details shown legibly and clearly mention the Question No. To which the Figure / table is relevant.
6. **STANDARD OF QUESTIONS**

You are required to set the question paper of sufficient standard to test the analyzing, designing and critical thinking skills in addition to their basic understanding of the subject. The question paper should contain a judicious mix of the following types of questions:

 - a. **Lower order (LO)** cognitive questions that **test the remembering** of the concepts by the students.
 - b. **Intermediate order (IO)** cognitive questions that **test the Understanding** of students with respect to the subject.
 - c. **Higher order (HO)** cognitive questions that **test the application, analysis, evaluation and creative abilities** of the students with respect to their knowledge of the subject.

The question paper should contain the above types of questions in the following distribution.

| Level of questions | Lower order cognitive questions (Remembrance type Questions) | Intermediate order cognitive questions (Understanding type Questions) | Higher order cognitive questions (Analysis, Application, Evaluation, Creative, Case study type questions) |
|--------------------------------|--|---|---|
| Marks distribution recommended | 50-60 % | 30-45% | 15% |

- Questions in Part - A should have 5 questions on Remembrance and 5 Questions on understanding, Similarly. questions in Part B should have 2 questions on Remembrance and 3 questions on Understanding where there are 5 questions.
- Both the questions in Part - B for a particular question should be from the either of only category (i.e LO, or IO, or HO) E.g. If Q.No. 11 (a) is a "LO" question, 11 (b) should be and a "LO" questions Similarly. If Q.No. 12 (a) is a "IO" question, 12 (b) should also be a "IO" question, and Q.No. 13(a) is a "LO" Question No. 13 (b) should be "HO" Question.
- Question paper should be set in such a way that it can be answered by an average student in 2 hours and 50 minutes.
- S.I Units must be adopted.
- Instructions for the use of statistical tables, data books, graph sheets, drawing sheets, etc. Should be clearly mentioned.

2. DETAILED KEY -- FOR VALUATION:

- It is requested to prepare a detailed key for valuation to be followed uniformly by the examiners while valuing the answer papers, Please follow the given instruction meticulously.
- The answers / solutions for questions in Part - A may be given to the point preferably not exceeding six lines.
 - Answers / solutions to the questions in Part - B / Part - C should be divided into several steps and marks allocation to be provided. For theoretical questions. Important points, headings, sub headings alone to be given. For Part - B / Part - C questions the answer may be restricted to a maximum of Four pages/ Six Pages.
 - All the answers / Solutions for questions in Part - B and Part - C should be provided with detailed scheme of evaluation (mark split up).
 - If Part - B / Part - C questions have more than one possible correct solution (e.g Design subjects/ Mathematical/ Numerical), the other possible solutions may kindly be indicated.
 - Photocopying several pages from books/ reference materials as answers / solutions should be strictly avoided (However, figures if any may be photocopied from books, if required)
 - Page numbers are to be mandatorily given in the format 01 of N to N of N (ex. 01 of 07 to 07 of 07)
 - Required data to be assumed as a standard for the relevant questions and the relevant code books to be used need to be mentioned.
 - Figures must be clear and units of measurement need to be mentioned clearly.
 - Neatly hand written / typed version of key should be submitted in hard copy.
 - No remuneration for key will be paid if the key is incomplete and keys without scheme of valuation.

The Question Paper / key must be properly sealed in the enclosed envelope and sent by Speed Post by name only to the Controller of Examinations on or before the last date prescribed.

Remuneration for Setting Question Paper alone is Rs. _____ (Inclusive of Postal Charges)
and for Question Paper with detailed key is Rs. _____ (Inclusive of Postal Charges).

The format for setting the question paper can be downloaded from the following link
www.brau.edu.in/exams - Examinations Section - Downloads.

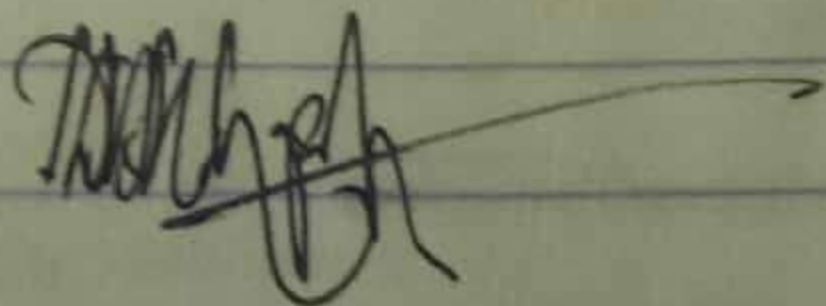
Dean I/C (Confidential - Paper Setting)

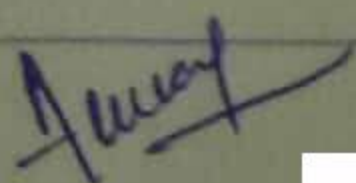
Resolutions :

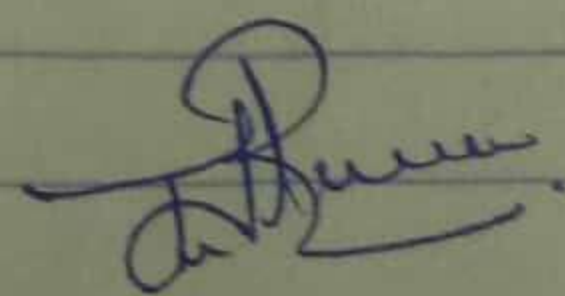
- 1) It is resolved to recommend list of persons in chemistry to serve as paper setting and examiners.
- 2) It is resolved to recommend text books for analytical chemistry specialisation.
- 3) It is resolved to recommend the copy of question papers set for the examinations.
- 4) It is resolved to follow equivalency for the subject between year end pattern and semester pattern.
- 5) It is resolved to approve a model question paper.
- 6) It is resolved to continue a new course named M.Sc chemistry and specialisation analytical chemistry.
- 7) It is resolved to revise the syllabus of each subject and resolved to implement effect from the academic year 2019-2020 batch.
- 8) It is resolved to follow outreach activity and communication skills as a non core.

R. Sava

V. S. S. S.







K. RAGHUNATH BABU,
Registrar
Dr.B.R.Ambedkar University, Srikakulam
Etcherla - 532 410 (A.P.), India



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Prof. K. Raghu Babu,
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e-mail: regdrbrau@yahoo.com

No.BRAU/Fi:Recon. BOS./2019

Dt.10-04-2019

PROCEEDINGS OF THE VICE-CHANCELLOR

Sub: Dr. B. R. Ambedkar University Srikakulam – Reconstitution of PG BOS - Orders – Issued.
Read: Proposals of the Course Coordinator, Organic Chemistry & Note orders of Hon'ble Vice-Chancellor

ORDER:

According to Section-IV, Chapter X of Beard of Studies, Code Volume-I, relates to the nomination of the Chairman/Chairperson, Board of Studies, the Hon'ble Vice-Chancellor, is pleased to nominate the reconstitution of PG Board of Studies of Organic Chemistry, Dr.B.R.Ambedkar University, Srikakulam as Chairperson, Board of Studies in Organic Chemistry (PG), for a period of three years from the date of taking charge.

| S. No. | Category | Chairman BOS | Name & Designation of the Faculty Member |
|--------|---|-------------------|--|
| I | Category – I | Chairman | Prof. M.V.Basaveswara Rao, Krishna University, Machilipatnam. |
| II | Category – II | | |
| 1 | One Academician from outside AP | Member | Prof.Ch. Subrahmanyam, IIT, Hyderabad, TS |
| 2 | One Academician from within AP | Member | Dr. V. Siddaiah, Associate Professor, Organic Chemistry, Andhra University, VSP |
| 3 | One Member from Professional Societies/Bodies | Member | Prof.K.Basavaiah, Dept of Inorganic & Analytical Chemistry, AU, Visakhapatnam. |
| 4 | One member from Research Labs/R&D organizations | Member | Dr.Debendra Kumar Mohapatra, Senior Principal Scientist, Dept of Organic Synthesis & Process Chemistry, CSIR-Indian Institute of Chemical Technology, Tarnaka, Hyderabad-500 007, TS, 97041 68866, email: mohapatra@iiict.res.in |
| 5 | One member from industry | Member | Dr. Ch.B.V.N. Raju (R&D), Dr. Reddy Labs, Pydibhimavaram |
| 6 | All permanent faculty | Members | As per availability |
| 7 | Contract faculty | Associate Members | 1. Dr.B.Vinu, Asst.Professor (C) 2. Dr.A.Ananda Mohan, Asst.Professor (C) 3. Dr. G.Padma Rao, Asst.Professor (C) |
| III | Category III Stakeholders | | |
| 1 | One Member - parents community | Members | Sri D.Srinivasa Rao, Ranasthalam |
| 2 | Meritorious outgoing student | | G. Aruna Kumari, PGT, Kendriya Vidyalaya, VSP (for AY 2018-19 only) |
| 3 | From Govt. Service Organization Dist./State Service | | Dr. N. Ramana, Chemist, ONGC, Rajahmundry |
| 4 | From NGO/Community service | | P.Bhudevi,Chinnaiah,Adhivasi Vikas Sangam,SKLM |
| 5 | From Alumni | | As per choice & availability |
| 6 | From Employer | | As per choice & availability |

(By order)

To
Prof.M.V.Basaveswara Rao, Department of Organic Chemistry,
Krishna University, Machilipatnam
Copy to: The Course Coordinator, Department of Organic Chemistry
Office of the Hon'ble Vice-Chancellor, Principal, College of Science
Registrar's Peshi, The Coordinator, IQAC

Prof. K. Raghu Babu,
Registrar

Dr.B.R.Ambedkar University, Srikakulam
Etcherla - 532 410 (A.P.), India



Dr.B.R.AMBEDKAR UNIVERSITY, SRIKAKULAM
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Prof. K. Raghu Babu,
Registrar

Office Tel. No.: 08942-281518
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Mobile: 09490475588
e-mail: regdrbrau@yahoo.com

No. BRAU/Fi: Annual BoS/2020.21

Dt: 15.06.2020

CIRCULAR

The Annual Board of Studies meeting of Dr.B.R.Ambedkar University, Srikakulam is scheduled on 25th June 2020 from 10.00 AM to 1.00 PM through Online (Digital Mode). Hon'ble Vice-Chancellor will address all the members at 10.00 AM on 25th June 2020 and hence it is informed to all the Principals of Constituent Colleges, Dr.BRAU, Chairpersons, BOS, HOD's/Course Coordinators, Faculty members and external BOS members of all the Departments of Dr.BRAU, Srikakulam to prepare the Curriculum for 2020-21 in sligulus modifying the existing curriculum of 2019-20 (By adopting minor changes. It is further informed to send the soft copies of the modified curriculum to all the external members before 18th June 2020. This would enable to take suggestions from all the esteemed members.

Further, All the Heads/ Course Coordinators of all the Departments are required to conduct Annual PG Boards of Studies & UG Professional Board of Studies meeting with the Chairman (in chair) in respective Departments on 25.06.2020 from 10.30 AM to 01.00 PM & 2.00 PM to 04.30 PM, to submit resolutions to the University Administration, for framing course content, syllabus, academic calendar, scheme of Examination by incorporating New Pattern of Course Outcomes (Cos) Course Objectives, Programme Outcomes (Pos), Programme Education Objective (PEOs) and Learning Outcomes (Los), Online (20%) Offline (80%) Teaching – Learning process etc., suitable to the needs of the Market/ Industry/ Entrepreneurship/Society etc, in the global scenario, by inviting all stakeholders from Industry Enterprises/Govt. Organizations/R&D Organizations/Alumni/ Parents/NGOs/ Community Organizations etc. To take their expertise for the overall benefit of the Department.

To
The Principal, College of Arts, Commerce, Law & Education
The Principal, College of Science
The Principal, College of Engineering
All BOS Chairpersons
All BOS Members

Copies to :

Office of the Hon'ble Vice-Chancellor
Dean-CDC, Dean-Examinations, Coordinator, IQAC
All Heads/Coordinators of the Departments
The Chief Warden
The Asst. Principals, The Librarian
The Programme Coordinator, NSS Cell

K. P. K.
K. RAGHU BABU

Dr. B. R. Ambedkar University, Srikakulam
Etcherla - 532 410 (A.P.), India

Agenda for the Joint Annual Boards of Studies Meeting held on 25-06-2020 at
10.00 A.M. related to Arts, Commerce, Law, Education, Science and
Engineering Programmes.

1. To Propose additions or omissions to the consolidated list of persons eligible to serve as paper setters, examiners for University Examinations.

Note: Information regarding the subjects in which the persons mentioned in the list are especially proficient should be noted should the Board desires that any person's name be deleted from the list for confidential reasons, the Board should send us its recommendations in the form of a resolution stating the reasons in full in a confidential communication to the Registrar.

2. To recommend text books for the several University Examinations with which the Board is concerned.

Notes:

a). Text books for the several University Examinations with which the Board deals may be recommended text books for any of the University Examination, the Chairman may furnish in the minutes that text books are not necessary for the examination and that the syllabus prescribed may be followed.

b). It is important that the Board should satisfy itself (i) that an adequate number of copies of the text books particularly in vernaculars and other oriental languages recommended of all the Examinations are available for the use of the students. (ii) that when such number is not available now, the board has made enquires and satisfied itself that necessary arrangements will be made for their being available before the course commences and; (iii) the books should not contain absence and objectionable passages but are suitable in style and subject matter for University study and literature. The Chairman requested to state when lists are sent to the Registrar which of the books falls in category (I) and which under category (II) The Chairman is also requested to see that the full postal address of the authors and book sellers are furnished as far as possible in respect of the books recommended for study by the Board of Studies.

3. To consider the question papers setters for the Examinations.
4. To consider recommending panel of experts from outside the University area as required under section 43 of chapter VII of the A.P. Universities Act 1991 for constitution of section committees and send the same to the Vice-Chancellor in closed cover.
5. To consider equivalency for the subject between yearend pattern to the Semester pattern and when there is no equivalency between these two, the course of action to be taken and the guidelines in this behalf.
6. To consider the forwarding the model question papers with the signature of the Chairman/Chairperson on each page within 15 days from the meeting or the Board of Studies.
7. To consider that any proposal for starting of new course shall be routed through the Dean, Faculty concerned along with minutes of the meeting of the Board of Studies of the respective board with full details i.e., year of effect, syllabi, scheme of instruction/ Examination proposed fee structure and needs of the Industry/Student community.
8. To consider that if any proposal to revamp the syllabi is to be given effect from the forth coming batches only and should not encourage to revise the syllabus for a particular subject or subjects or to a single unit/units in the middle of the academic year to avoid confusion among the student community, paper setting work and conduct the Examinations smoothly and unnecessary expenditure occurred by the University.
9. To consider any proposal for modified/revised syllabi for any course shall submit in a single spell for getting approval of statutory bodies and communicate the same to the concerned sections and affiliated colleges to offer the said courses for taking necessary further action.
10. As Per Executive Council Resolutions that the syllabus, curriculum and Regulations once formulated shall ordinarily be in force for at least 4/3/2 year and whenever the UG/PG/Diploma syllabi undergo change, the transitory provision shall be in force only for 3/3 years.
11. To consider elaborate discussion towards
(a) Digital Education (b) Physical Education (c) Yoga & Fitness Management (d) Field work/Extension work/Outreach/University social responsibility (USR) activities (e) soft skills/ HR Skills/Placement training/Employability Skills training (d) Skill development programme course reviews: (i) Fundamentals of english grammar, vocabulary & phonetics(ii) Communication Skills (iii) Mental Ability & Reasoning and (iv) Soft skills for employability enhancement
12. To consider any other cognate subject with the permission of the Chairman/Chairperson.

IC-PW


Dr. B. R. AMBEDKAR UNIVERSITY, SRIKAKULAM
ETCHERLA-532 410 (AP), INDIA
PBX: 08942-240900; Office: 281518
Mobile: 09490475588

Prof. K. Raghuvabu
Registrar Fax: 281972

email: regdrbrau@gmail.com
No. BRAU/Fi: Annual BoS /2019-20

Dt. 15-06-2020

C I R C U L A R

It is informed to all the Principals of Constituent Colleges, Deans/Co-ordinators/Chairman, BoS & Members, BoS/HODs/Course Coordinators of all Departments of the University to submit the Structure/Scheme of Syllabus in the given pattern in the context of conducting annual PG & Professional Programmes Board of Studies meeting by Dr. B. R. Ambedkar University, Srikakulam on 08.04.2019 (Monday) and in this connection the following pattern may be followed scrupulously.

SCHEME/ STRUCTURE OF SYLLABUS

| | No. of Credits |
|---|----------------|
| Semester - I | 18 to 22 |
| 1. Core Courses – Minimum - IV to Maximum –VIII for each programme, 3 to 4 credits for each Course and 2 to 3 credits for each Lab | 2 |
| 2. Skill Development Course | 2 |
| 3. Field visits/ Society Engagement Programs /University Social responsibility activities | 1 |
| 4. Summer internships/Project based learning/Problem based learning/Village connect activities/Village adoption/ Skill based learning/Entrepreneurship Programmes/Patents/Intellectual Property Rights Creative Education & Yoga/ Co-Curricular and Extra Curricular activities/Swath Bharath/ Unnati Bharath Abhiyan/ Clean & Green etc. | 1 |
| Semester - II | 18 to 22 |
| 1. Core Courses – Minimum - IV to Maximum –VIII for each programme 3 to 4 credits for each Course | 2 |
| 2. Skill Development Course | 2 |
| 3. MOOC's Courses (Within India and Abroad): Swayam, NPTEL, e – PG Pathshala, Swayam Prabha – 32 DTH Channels, UGC MOOC's Courses, e-Adhyayan, e-Pathya, CEC, Course Era, NITTR, Edx, UDEMY, Achieve Me, LinkedIn etc. | 2 |
| 4. Field visits/ Society Engagement Programs/University Social responsibility activities | 1 |
| 5. Summer internships/Project based learning/Problem based learning/Village connect activities/Village adoption/ Skill based learning/Entrepreneurship Programmes/Patents/Intellectual Property Rights Creative Arts and Physical Education & Yoga/ Co-Curricular and Extra Curricular activities/Swath Bharath/ Unnati Bharath Abhiyan/ Clean & Green etc. | 1 |
| Semester - III | 9 to 15 |
| 1. Core Courses – Minimum - II to Maximum -VI | 6 to 8 |
| 2. Core Electives– 2, Courses mandatory (Each elective consists of Minimum 4 Courses) | 2 |
| 3. Skill Development Course | 2 |
| 4. MOOC's Courses (Within India and Abroad): Swayam, NPTEL, e – PG Pathshala, Swayam Prabha – 32 DTH Channels, UGC MOOC's Courses, e-Adhyayan, e-Pathya, CEC, Course Era, NITTR, Edx, UDEMY, Achieve Me, LinkedIn etc. | 2 |
| 5. Field visits/ Society Engagement Programs /University Social responsibility activities | 1 |
| 6. Summer internships/Project based learning/Problem based learning/Village connect activities/Village adoption/ Skill based learning/Entrepreneurship Programmes/Patents/Intellectual Property Rights Creative Arts and Physical Education & Yoga/ Co-Curricular and Extra Curricular activities/Swath Bharath/ | 1 |

| | |
|--|---------|
| 1. Unnat/Bharath Abhiyan/ Clean & Green etc. | 2 |
| 7. Open Free Elective as add on course (Not mandatory & It is optional) | |
| Semester - IV | |
| 1. Core Courses - Minimum - II to Maximum - VI | 9 to 15 |
| 2. Core Elective - 2 Courses (Each elective consists of Minimum 4 Courses) | 6 to 8 |
| 3. Open free Elective as add on course | |
| 1. Skill Development Course | 2 |
| 4. MOOC's Courses (Within India and Abroad): Swayam, NPTEL, e - PG Pathshala, SwayamPrabha - 32 DTH Channels, UGC MOOC's Courses, e-Adhyayan, e-Pathya, CTC, Course Era, NITTR, Eds, UDEMY, Achieve Me, LinkedIn etc. | 2 |
| 5. Field visits/Society Engagement Program University Social responsibility activities | 2 |
| 6. Summer internships/Project based learning/Problem based learning/Village connect activities/Village adoption/ Skill based learning/Entrepreneurship Programmes/Patents/Intellectual Property Rights/Creative Arts and Physical Education& Yoga/ Co-Curricular and Extra Curricular activities/Swachh Bharath/ Unnat/Bharath Abhiyan/ Clean & Green etc. | 1 |
| 7. Open Free Elective as add on course | |
| 8. Project work - Duration Minimum 4 to Maximum 8 weeks (Credits are Minimum 4 to Maximum 8) | 4 to 8 |

All the Principals of Constituent Colleges, Deans/Co-ordinators/Chairman, BoS& Members, BoS/HODs/Course Coordinators of all Departments should submit (Soft & Hard copies) the above information to the undersigned on or before 5 PM 27th March 2019 through proper channel and any proposals received after the due date will not be entertained.

K. P. U. L.
K. P. U. L.

To
The Principal, College of Arts, Commerce, Law & Education
The Principal, College of Science
The Principal, College of Engineering
Copies to: Office of the Hon'ble Vice-Chancellor
The Chairman, BOS & BOS Members
All Deans/Coordinators, Dr BRAU, SKLM
All Heads/Course Coordinators of the Departments
The Chief Wardens (Boys & Girls Hostels)
The Asst. Principals
The Librarian
The Programme Coordinator, NSS Cell

In C. A. Reddy College of Engineering
K. P. U. L.



Dr. B. R. Ambedkar University, Srikakulam, Echerla - 532410.

BRAU FO 1B - Arts, Commerce
BRAU FO 2B - Law, Education
BRAU FO 3B - Science

**INSTRUCTIONS TO THE QUESTION PAPER SETTERS OF P.G EXAMINATIONS (ARTS, COMMERCE,
LAW, EDUCATION AND SCIENCE PROGRAMMES)**

1. No Duplicate copy of the Question Paper need be prepared.
2. Particulars regarding Regulations, Programme, Branch, Semester, Course Code/ Course, Duration and Maximum Marks must be clearly given in the Question Paper.
3. Please take specific care while indicating the marks for questions (marks must be given for each sub-division)
4. Please set the Questions covering the entire syllabus:
 - The Paper setters are requested to adhere strictly the norms / Syllabus while setting the question paper without any deviation.
 - Two Questions (without subdivisions) from each unit for Part - A and
 - One Question (with subdivisions) from each Unit for Part - B as given in the format enclosed.
 - Part - C Questions (with subdivisions) should be of either / or type involving higher order cognitive questions that test the application / design / analysis / evaluation / creativity / case study of the subject.
 - In the case of non uniform distribution of syllabus, kindly set the Question paper proportionate to number of hours as mentioned in the syllabus prescribed by the University.
5. Diagrams / Sketches / Figure / Table must be neatly drawn with all details shown legibly and clearly mention the Question No. To which the Figure / table is relevant.
6. **STANDARD OF QUESTIONS**

You are required to set the question paper of sufficient standard to test the analyzing, designing and critical thinking skills in addition to their basic understanding of the subject. The question paper should contain a judicious mix of the following types of questions:

 - a. **Lower order (LO)** cognitive questions that test the remembering of the concepts by the students.
 - b. **Intermediate order (IO)** cognitive questions that test the Understanding of students with respect to the subject.
 - c. **Higher order (HO)** cognitive questions that test the application, analysis, evaluation and creative abilities of the students with respect to their knowledge of the subject.

The question paper should contain the above types of questions in the following distribution.

| Level of questions | Lower order cognitive questions (Remembrance type Questions) | Intermediate order cognitive questions (Understanding type Questions) | Higher order cognitive questions (Analysis, Application, Evaluation, Creative, Case study type questions) |
|--------------------------------|--|---|---|
| Marks distribution recommended | 50-60 % | 30-45% | 15% |

7. Questions in Part A should have 5 questions on Remembrance and 5 Questions on understanding. Similarly, questions in Part B should have 2 questions on Remembrance and 3 questions on Understanding where there are 5 questions.
8. Both the questions in Part - B for a particular question should be from the either of only category (i.e LO, or IO, or HO) E.g. If Q.No. 11 (a) is a "LO" question, 11 (b) should be and a "LO" questions Similarly, If Q.No. 12 (a) is a "IO" question, 12 (b) should also be a "IO" question, and Q.No. 13(a) is a "LO" Question No. 13 (b) should be "HO" Question.
9. Question paper should be set in such a way that it can be answered by an average student in 2 hours and 50 minutes.
10. S.I Units must be adopted.
11. Instructions for the use of statistical tables, data books, graph sheets, drawing sheets, etc. Should be clearly mentioned.

12. DETAILED KEY - FOR VALUATION:

It is requested to prepare a detailed key for valuation to be followed uniformly by the examiners while valuing the answer papers. Please follow the given instruction meticulously.

- The answers / solutions for questions in Part - A may be given to the point preferably not exceeding six lines.
 - Answers / solutions to the questions in Part - B / Part - C should be divided into several steps and marks allocation to be provided. For theoretical questions, Important points, headings, sub headings alone to be given. For Part - B / Part - C questions the answer may be restricted to a maximum of Four pages/ Six Pages.
 - All the answers / Solutions for questions in Part - B and Part - C should be provided with detailed scheme of evaluation (mark split up).
 - If Part - B / Part - C questions have more than one possible correct solution (e.g Design subjects/ Mathematical/ Numerical), the other possible solutions may kindly be indicated.
 - Photocopying several pages from books/ reference materials as answers / solutions should be strictly avoided (However, figures if any may be photocopied from books, if required)
 - Page numbers are to be mandatorily given in the format 01 of N to N of N (ex. 01 of 07 to 07 of 07)
 - Required data to be assumed as a standard for the relevant questions and the relevant code books to be used need to be mentioned.
 - Figures must be clear and units of measurement need to be mentioned clearly.
 - Neatly hand written / typed version of key should be submitted in hard copy.
 - No remuneration for key will be paid if the key is incomplete and keys without scheme of valuation.
13. The Question Paper / key must be properly sealed in the enclosed envelope and sent by Speed Post by name only to the Controller of Examinations on or before the last date prescribed.
 14. Remuneration for Setting Question Paper alone is Rs. _____ (inclusive of Postal Charges) and for Question Paper with detailed key is Rs. _____ (inclusive of Postal Charges).
 15. The format for setting the question paper can be downloaded from the following link www.brau.edu.in/exams - Examinations Section - Downloads.

Dean I/C (Confidential - Paper Setting)

CLASS: PG
 YEAR: 1st
 SEMESTER: I
 SUBJECT: Education and Science
 (Candidates should be given 30 minutes for this part)
 Time: 3 Hours

Answer 30 Questions
 PART - A (10 x 2 = 20 Marks)

Write the question paper after
 1. Read the questions carefully and understand the question.
 2. Write the answers in your own words.
 3. The questions should be of short answer type.

| | | |
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| 1 | | |
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| 3 | | |
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| 5 | | |
| 6 | | |
| 7 | | |
| 8 | | |
| 9 | | |
| 10 | | |

PART - B (5 x 3 = 15 Marks)

Write the question paper after
 1. Read the questions carefully and understand the question.
 2. Write the answers in your own words.
 3. The questions should be of short answer type.

| | | |
|----|--|--|
| 11 | | |
| 12 | | |
| 13 | | |
| 14 | | |
| 15 | | |
| 16 | | |
| 17 | | |
| 18 | | |
| 19 | | |
| 20 | | |

PART - C (1 x 5 = 5 Marks)

(Application / Design / Analysis / Evaluation / Creativity / Essay / Case study questions)
 Part C should be a higher order cognitive type questions.

| | | |
|----|--|--|
| 21 | | |
| 22 | | |

Close

12:35 PM

VoLTE

Participants (7)



Ananda Mohan Arasavalli (me)



p

Padmarao Gollamudi (host)



DV

Dr V Siddaiah



OF

OPPO F1s



PM

Prof Mandava



PI

Prof. Subrahmanyam IITH



VB

Vinu Bandaru



BOS Members Attended on 25/06/2020 on 2 platform

Invite

Members attended

Dt: 25-06-2020

Name

Signature

1) prof. B. V. Balaveerwara Rao
chairman2) prof. Ch. Subrahmanyam
Member

online

3) Dr. V. Siddaiah

Member

online

4) prof. K. Balaswiah
Member

online

5) Dr. G. padma Rao
Associate memberSignature
25/06/20206) Dr. B. Vinu
Associate member

B. Vinu

7) Dr. A. Ananda Mohan
Associate member

Signature

Signature
25/06/2020Course Coordinator
Department of Organic Chemistry
Dr. B.R. Ambedkar University
Srikakulam, Eicherla-532 410