



# पं. रविशंकर शुक्ल विश्वविद्यालय, रायपुर (छ.ग.)

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क्रमांक : 4095/अका./2017

रायपुर, दिनांक : 27/05/2017

## II अधिसूचना II

एतद् द्वारा अधिसूचित किया जाता है कि विश्वविद्यालय समन्वय समिति की 25वीं बैठक दिनांक 19.04.2017 में प्रस्ताव क्रमांक 3 पर अध्यादेश क्रमांक 184 का अनुमोदन किया गया है जो निम्नांकित है :-

### ORDINANCE No. 184 Integrated M.Sc. program of CBS

#### Preamble

1. The Center for Basic Sciences (CBS) will offer 5-year integrated M.Sc. programs in selected areas of basic sciences, like Physics, Chemistry, Mathematics, and Biology that will be amenable to 12th graders. The center will also offer Integrated PG-PhD program, Research-based PG and PhD alone programs that will be the ultimate hallmark of the CBS.
2. The complete program for Integrated M.Sc. will be for a duration of 10 semesters in all leading to Master degree in any one of the following major subjects:  
(i) Physics      (ii) Chemistry      (iii) Mathematics      (iv) Biology
3. The program of instruction will consist of (a) Core courses (compulsory), (b) Elective courses (departmental), (c) Elective courses (non-departmental), (d) Laboratory/Seminar/Mini Project, (e) Project work and dissertation. The student may be required to give one or more seminars and undergo industrial/practical training during the program. The academic programs in each semester may consist of course work and/or project work as specified by the Academic Council. The 5-Year Integrated M.Sc. program will have a curriculum and syllabi for the courses approved by the Academic Council.
4. Minimum duration of M.Sc. Degree program shall be of five years spread over **10 semesters**. In any case, a student must complete this program within a period of 7 years.
5. **Admission Policy and Procedure:**
  - (i) The admission policy and procedure shall be decided from time to time by the Governing Council of the CBS, as per the guidelines issued by Government of Chhattisgarh and UGC from time to time.

- (ii) The candidates seeking admission to CBS, Pt. Ravishankar Shukla University, Raipur should be from science stream (having any combination of Biology/ Chemistry/ Mathematics/ Physics) at class XII and must appear in the CBS-EST or NEST examination. The admission will be offered strictly on the basis of Merit List of CBS-EST and NEST examination of current session. Maximum of 20 student can be admitted from the NEST examination in first semester of each academic session. Candidates securing at least 60% marks in aggregate or equivalent grade in class XII examination will be eligible for admission to CBS. For candidates belonging to scheduled castes (SC), and scheduled tribes (ST) categories, the minimum requirement of marks is 55% in aggregate. Where only letter grades are available, a certificate from the Board specifying equivalent percentage of marks is required. In the absence of such a certificate, the decision of the Admissions Committee will be final.
- (iii) The age limit of unreserved category candidates is 20 years on July 01 of the current academic session. The age limit is relaxed by 2 years for SC/ST/OBC candidates.
- (iv) Reservation Policy as decided by the Governing Council (GC) as per the directives of Government of Chhattisgarh shall be followed for the admission of the students through CBS-EST merit list. 30% of the seats will be reserved for female students admitted through NEST merit list.
- (v) The Admission Committee constituted by the Chairman, Academic Council shall decide on the operational aspects of selection of candidates based on the criteria laid down by the Executive Council (EC).
- (vi) Vacancies, if required to be filled up after the admission date shall be decided by the Chairman, Academic Council and reported to the EC for post-facto approval.
- (vii) The fee structure shall be as decided by the Governing Council from time to time. The mode of payment shall as decided by the EC from time to time.
6. **Promoting Research:**
- (i) To give early exposure of the research methodologies and attitude, in the curriculum of CBS there shall be provision of academic visit by students to the National Research Labs, Higher Learning Institutes and Centers of National/International repute.
- (ii) Students will be encouraged to participate in summer/winter schools/projects organized by prestigious institutes mentored by eminent scholars of the subject.
- (iii) Provision in curriculum for project work, dissertation and industrial/practical training during the program will train the students and motivate to pursue research as a career.
7. **Board of Studies:** There will be a Board of Studies in each of the following subjects:
- (i) Hindi (ii) English (iii) Physics (iv) Chemistry (v) Mathematics

(vi) Zoology (vii) Botany (viii) Computer Science.

The composition of each Board of Studies shall be as follows:

- (1) Professors of University Teaching Department and Schools of Studies in subjects for which the Board is constituted;
- (2) Two Heads of College Departments in colleges teaching the said subject up to the postgraduate level to be nominated by the Kulapati by rotation according to seniority;
- (3) One Associate Professor from the University Teaching Department and Schools of Studies teaching the said subjects to be nominated by the Kulpati by rotation according to seniority;
- (4) Two Heads of College Departments in colleges teaching the said subjects upto to the degree level to be nominated by the Kulpati by rotation according to seniority;
- (5) Not more than two teachers in the said subject to be nominated by the Kulpati;
- (6) One student to be appointed by the Kulpati possessing the qualifications laid down in the Statutes;
- (7) Two members to be co-opted by the Board, one of whom shall be an expert from outside the University, and shall be from recognized research institute, if any, in the subject or group of subjects for which the Board is constituted.

8. **Award of Degree:** Candidates admitted to the program shall pursue the prescribed courses regularly in each of the ten semesters successively. Award of degree shall be made by the University in accordance with the regulations framed by the EC of the University in this regard.

- (i) The Master Degree shall be awarded to those candidates who shall obtain at least 50% marks in cumulative aggregate in each of ten semesters in theory, sessional and practical course separately and minimum of 40% qualifying marks in each theory, practical and sessional paper.
- (ii) B.Sc.(Hons) degree shall also be awarded along with the M.Sc. degree. Student shall have the option to quit the program after 3 years with the B.Sc.(Hons) degree.

9. **Minimum Requirement to Keep Term in the program:**

A student failing to appear or securing less than 50% aggregate or obtained less than 40% marks in any of the theory, practical or sessional paper of I<sup>st</sup> to X<sup>th</sup> semester examination shall be allowed to pursue the course for the next following semester. Such students shall be considered FAIL or FAIL in AGGREGATE with ATKT status. Scheme of examination shall be as follow:

- (i) Successful candidate shall be declared PASS up to IX<sup>th</sup> semester and with
- (ii) successful completion of the X<sup>th</sup> semester division will be awarded with appropriate provision.

- (iii) A student failing to qualify the examination of any semester shall be allowed to keep term (ATKT) along with the successive semester examination in the following semester.
- (iv) ATKT provision shall be in three papers of one semester with maximum three attempts only (1 main + 2 ATKT).
- (v) A student who has been admitted to any semester but fails to fill up examination form of that semester examination or debarred to take examination due to short attendance or any other appropriate reason then he/she shall have to appear at that examination in the following semester.
- (vi) Each theory and practical shall have 100 marks out of which 60% will be internal spread over three internal examinations comprising of unit tests, assignments, presentations, quizzes etc.
- (vii) The provision of revaluation will not be available.
- (viii) The examination shall be held in all subjects as approved by the University from time to time.
- (ix) The matter not covered in this act/ordinance shall be governed by the ordinance no. 5 and 6 and other provision of the University rules.
- (x) Marks secured in additional paper will not be added for marking Grade Point Average. However, they shall have to score minimum passing marks.

#### 10. Credit System:

- (1) Each Semester from Semesters I-VIII will carry 25 credits. Semesters IX and X will carry 20 credits each. For successful completion of the program the total credits earned by a student **mustnot be less than 240** excluding Elective courses(non-departmental).
- (2) Credits shall be assigned to the courses based on the following general pattern:
  - (i) One credit for each one hour lecture.
  - (ii) One credit for each laboratory or practical session of two hours.
  - (iii) Two credits for each laboratory or practical session of at least four hours.
  - (iv) Credit for seminar, project work and industrial/practical training shall be as specified in the curriculum approved by the Board of Studies.
- (3) A student has to register in all the core courses listed in the curriculum.
- (4) Electives to be taken from the courses offered in a particular semester from among the list of approved courses as per the curriculum.
- (5) A Student who has acquired the minimum number of total credits for the award of the degree shall not be permitted to register for more courses to improve his/ her cumulative grade point average.

- (6) The medium of instruction, examination, and seminar & project reports shall be English.
11. The examinations for the first, third, fifth, seventh and ninth semesters shall ordinarily be completed by the end of December and the examinations for the second, fourth, sixth, eighth and tenth semesters shall ordinarily be completed by the end of May each year.
12. The examination shall be held in all the subjects being offered by different departments of CBS of Pt. RavishankarShukla University, Raipur.
13. Course-wise Grading of Students into Categories

#### Letter Grades

The weighted total marks secured by the candidate in each course shall be converted into letter grades. The letter grades and the respective grade points are given in the following table: <b>Letter Grade</b>	S	A	B	C	D	E	F	W	I
<b>Grade point</b>	10	9	8	7	6	5	0	0	0

- (1) A candidate who has registered for a course, but was not permitted to appear for the end semester examination due to reasons including the shortage of attendance shall be awarded W grade with grade point 0 for the course. A candidate whose result on any course is pending decision by appropriate body shall be awarded I grade for such courses. All I Grades shall be converted to actual grades, normally within a week after publication of results of the regular end semester examination. Any I grade which is not converted to regular grade within the stipulated time shall be treated as F grade.
- (2) A student shall be deemed to have completed a subject successfully and earned the credit if he/she secures any letter grade other than F, W or I. A letter grade F in any subject implies failure in that subject. A subject successfully completed cannot be repeated.
- 14. Declaration of Results:**
- (1) The student shall have access to his/her answer paper/s in the end semester examination which shall be shown to him/her by the teacher/s concerned. In case a student feels aggrieved, he/she can contact the concerned teacher for a second look at his/her performance. If the teacher feels that the case is genuine he/she shall correct the awarded marks. If there is disagreement between the student and concerned teacher regarding the awarded marks Student have to give application to the Director CBS requesting opinion of external subject

expert of the same subject. The decision of external subject expert will be final.

- (2) The F grade once awarded stays in the record of the student and is deleted when he/she completes the subject later, indicating also the numbers of attempts made in that course. The CGPA shall be accordingly revised deleting the “F” in the earlier attempts in that course. The grade acquired by the student later shall be indicated in the grade card of the appropriate semester.

**15. Course Repetition:** A student securing ‘F’ or ‘W’ grade in any subject has to repeat it compulsorily when offered next, if the subject is listed as a core subject. If it is an elective subject, the student has option either to repeat it in order to get a successful grade or take another elective course.

**16. Grade Card:**

- (1) The grade card issued at the end of the semester to each student shall contain the following:
- the credits for each course registered for that semester
  - the performance in each subject by the letter grade obtained vide 13(1)
  - the total number of credits earned by the student up to the end of the semester
  - Grade Point Average (GPA) of the semester
  - the Cumulative Grade Point Average (CGPA) of all the courses taken up to and including the semester .

- (2) **The Grade Point Average (GPA)** shall be calculated by the formula.

$$GPA = \frac{\sum C \times GP}{\sum C}$$

where **C** = credit for the course, **GP** = the grade point obtained for the course and the sum is over all the courses taken in that semester, including those in which the student has secured F and W grades.

For the **Cumulative Grade Point Average (CGPA)** a similar formula is used except that the sum is over all the courses taken in all the semesters completed up to the point in time, including those in which the student has secured F & W grades.

- (3) At the end of the M.Sc. degree program a consolidated grade card will be issued to each student.

**17. Class/Division:** Classification shall be based on CGPA and shall be as follows:

CGPA 8 and above	<b>First class with distinction</b>
CGPA 6.5 and above, but less than 8	<b>First class</b>
CGPA 5 and above, but less than 6.5	<b>Second Class</b>

There shall be no provision for division improvement under the examinations of this ordinance.

18. **Eligibility for the award of M.Sc. Degree:** A student shall be declared to be eligible for the award of M.Sc. degree if he/she has:

- registered and successfully completed all the core courses and the project.
- Successfully acquired the minimum number of credits prescribed in the curriculum of the given stream within the stipulated time vide 4.
- No dues to the Departments, University, Library, Hostels and
- No disciplinary action is pending against him/her.

19. This Ordinance shall be effective from the **academic session 2015-16.**

USE OF CALCULATORS:

The students of Integrated M.Sc. classes shall be permitted to use calculators in the Examination hall on the following conditions:

- Student shall bring their personal Calculators.
- Calculators with memory and following variables be permitted; Plus, minus, multiplication, division, square, reciprocal, exponential, log, square-root, trigonometric functions, viz, sine, cosine, tangent etc. However, under no circumstances programmable calculators shall be permitted.

कुलसचिव

पृ.क्रमांक : 4096 /अका./2017

रायपुर, दिनांक : 27 /05/2017

प्रतिलिपि :-

- माननीय राज्यपाल एवं कुलाधिपति महोदय के प्रमुख सचिव, छत्तीसगढ़ राजभवन रायपुर
- सचिव, उच्च शिक्षा छत्तीसगढ़ शासन, महानदी भवन मंत्रालय, नया रायपुर
- सचिव, छत्तीसगढ़ शासन, वित्त विभाग महानदी भवन मंत्रालय, नया रायपुर
- आयुक्त, उच्च शिक्षा, ब्लॉक-सी-30, द्वितीय एवं तृतीय तल, इन्द्रावती भवन, नया रायपुर
- अध्यक्ष, समस्त अध्ययनशाला/प्राचार्य, सम्बद्ध समस्त महाविद्यालय,
- समस्त विभागीय अधिकारी,
- कुलाधिपति के सचिव/कुलसचिव के निजी सहायक,  
पं. रविशंकर शुक्ल विश्वविद्यालय, रायपुर को सूचनार्थ एवं आवश्यक कार्यवाही हेतु अग्रेषित।

उप कुलसचिव (अका.)