RAVENSHAW UNIVERSITY

CUTTACK – 753 003

P.G. Entrance Examination – 2016

Entrance Examination Centers:

1. **Ravenshaw University, Cuttack**
2. **Government Autonomous College, Bhawanipatna (Kalahandi)**

IMPORTANT DATES

Last date for online application	**10th June 2016**
Last date for receiving filled application (hard Copy)	**13th June 2016**

Exam Schedule

Subject / Course	Date	Time
Odia, Philosophy, English, ETC	22/06/2016	9 AM – 11 AM
Economics, Sociology, Computer Science, History	22/06/2016	2 PM – 4 PM
Physics, Hindi, Sanskrit	23/06/2016	9 AM – 11 AM
Commerce	23/06/2016	2 PM – 4 PM
Psychology, Applied Geography, Political Science, MITM	24/06/2016	9 AM – 11 AM
Rural Development	24/06/2016	2 PM – 4 PM
Mathematics, Education, Zoology	25/06/2016	9 AM – 11 AM
Chemistry, Botany	25/06/2016	2 PM – 4 PM
Geology, Statistics, Biotechnology	26/06/2016	9 AM – 11 AM
Journalism and Mass Communication (JMC)	26/06/2016	2PM -4 PM
International Studies	27/06/2016	9AM – 11AM
Entrepreneurship	27/06/2016	2PM – 4 PM

Important Announcement:

The candidates are requested to report **at least one hour before** the commencement of examination.

There is negative marking in the entrance test. For each wrong answer 0.25 mark will be deducted.

The candidates are required to bring the following documents with them positively to the Examination Hall:

i) Admit Card **(to be downloaded by the candidate after the last date of online form submission by logging in with his/her regd.no & password).**

ii) <u>Identity proof</u> **(Voter I Card, Aadhar, Driving License or any other recognized document to prove identity of the candidate)**

ACADEMIC PROGRAMME

1 INTRODUCTION

i. Ravenshaw, one of the premier educational institutions in the country, was established in 1868 in Cuttack, Odisha. After one hundred and forty years of eventful existence, it was converted into Ravenshaw University by an Act of the State Legislature on November 15, 2006. Thus, as one of the heritage educational institutions, and as a young university, Ravenshaw is a veritable blend of the old and the new.

ii. The Ravenshaw campus with its majestic structures was set up in the year 1919 on the eastern side of Cuttack. After becoming a university, Ravenshaw has acquired another one hundred and forty acres of land on the bank of river Mahanadi to build its second campus for the new disciplines of management and applied sciences.

iii. The Ravenshaw campus is located very close to the Cuttack Railway Station, and is about a 45 minutes drive from the Bhubaneswar Airport.

iv. As a young university, Ravenshaw is now in the throes of preservation and change. Its infrastructure, both academic and physical, is being strengthened and expanded to meet the needs to make it more contemporary, and raise the level of research and teaching with an aim to develop it as a centre of excellence.

2 POSTGRADUATE COURSES

Towards making Ravenshaw an institution of excellence, Ravenshaw University offers the following Post Graduate Courses. The courses and number of seats (in parentheses) in each course at PG level are given below. Details about the departments are available at the Ravenshaw University website www.ravenshawuniversity.ac.in

If there are less than 8 students in any subject under Self Financing Course, the course shall be cancelled and the admitted candidates will be required to take their TC and Course Fee (if deposited during admission). There will be no special consideration for their admission into any other subject.

IMPORTANT: A candidate who was earlier admitted/ has already completed a Post graduate course in Ravenshaw University shall NOT be eligible to apply or take admission in any other Post graduate or graduate course in Ravenshaw University. If any such violation is detected later, the provisional admission of the candidate shall stand cancelled.

CATEGORYWISE DISTRIBUTION OF POST GRADUATE SEATS

Sl. No	Subject	General	ST (22.5%)	SC (16.25%)	PH (3%)	ESM (1%)	SDP (1%)	Sports (1%)	NSS (1%)	Total
1	Applied Geography	14	5	4	1	-	-	-	-	24
2	Biotechnology	14	5	4	1	-	-	-	-	24
3	Botany	14	5	4	1	-	-	-	-	24
4	Chemistry	23	9	7	1	-	-	-	-	40
5	Commerce	34	14	10	2	1	1	1	1	64
	Commerce (Self-Financing)	19	7	5	1	-	-	-	-	32
6	Economics	44	19	14	3	1	1	1	1	84
7	Education	23	9	7	1	-	-	-	-	40
8	English	43	18	13	2	1	1	1	1	80
9	Entrepreneurship (Self-Financing)	19	7	5	1	-	-	-	-	32
10	ETC	30	14	10	2	1	1	1	1	60
11	Geology	9	4	3	-	-	-	-	-	16
12	Hindi	19	7	5	1	-	-	-	-	32
	Hindi (Self-financing)	5	2	1	-	-	-	-	-	8
13	History	34	14	10	2	1	1	1	1	64
14	International Studies	19	7	5	1	-	-	-	-	32
15	MITM	19	7	5	1	-	-	-	-	32
16	MJMC	34	14	10	2	1	1	1	1	64
17	M.Sc. Comp Sc	19	7	5	1	-	-	-	-	32
18	Mathematics	28	11	8	1	-	-	-	-	48
19	MBA	30	14	10	2	1	1	1	1	60
20	MCA	21	8	6	1	-	-	-	-	36
21	Odia	34	14	10	2	1	1	1	1	64
	Odia (Self-financing)	5	2	1	-	-	-	-	-	8
22	Part Time MBA	17	7	5	1	-	-	-	-	30
23	Philosophy	19	7	5	1	-	-	-	-	32
24	Physics	28	13	9	2	1	1	1	1	56
25	Political Sc.	34	14	10	2	1	1	1	1	64
26	Psychology	19	7	5	1	-	-	-	-	32
27	Rural Development	23	9	7	1	-	-	-	-	40

28	Sanskrit	19	7	5	1	-	-	-	-	32
	Sanskrit (Self-financing)	5	2	1	-	-	-	-	-	8
29	Sociology	19	7	5	1	-	-	-	-	32
30	Statistics	9	4	3	-	-	-	-	-	16
31	Zoology	14	5	4	1	-	-	-	-	24
	Total	**759**	**305**	**221**	**41**	**10**	**10**	**10**	**10**	**1366**

The details of P.G. Courses in Biotechnology, Computer Science, Electronics & Telecommunication (ETC), Information Technology Management (MITM), Journalism & Mass Communication, Rural Development, International Studies, Master in Computer Application (MCA) and MCom in Entrepreneurship are as follows:

(i) **M.Sc. in Biotechnology (24):** Biotechnology, a comparatively new branch of science, is an emerging area. The objective is to create human resource to further research and teaching in Biotechnology. **The course fee is Rs. 40,000/- per annum.**

(ii) **M.Sc. in Computer Science (32):** This course offers a scope of vertical progression to the graduates in computer science and information technology by producing high quality software personnel to cater to the needs of IT industries. **The course fee is Rs. 30,000/- per annum.**

(iii) **M.Sc. in Information Technology Management (32):** This course aims at preparing students to pursue professional career in Software Design and Network Engineering. **The course fee is Rs.35,000/- per annum.**

(iv) **M.Sc. in Electronics and Telecommunication (60):** This course aims at preparing students to pursue professional career in Electronics and Telecommunication. **The course fee is Rs.35,000/- per annum.**

(v) **M.A. in Journalism and Mass Communication (64):** This course provides a sound infrastructure for career-building in a wide range of activities covering print and electronic journalism, advertising and public relations, etc., and also imparts practical training. **The course fee is Rs. 25,000/- per annum.**

(vi) **M.A in Rural Development (40):** Ravenshaw University started this Masters course in the academic session 2013-2014 in Economics Department. **The course fee is Rs. 20,000/- per annum.**

(vii) **M.A in International Studies (32):** This course aims at increasing the academic boundary of the university. **The course fee is Rs. 20,000/- per annum.**

(viii) **Master of Computer Applications (30):** Admission into the Course is made through the Odisha Joint Entrance Examination (OJEE). **The course fee is Rs. 30,000/- per annum.**

(ix) **M.Com in Entrepreneurship (32):** This course has been introduced from the session 2016-2017 in the Department of Commerce. **The course fee is Rs.25,000/- per annum.**

(x) **M.Com (32):** This course has been introduced from the session 2016-2017 in the Department of Commerce in addition to 64 seats. **The course fee is Rs.25,000/- per annum in self- financing mode.**

(xi) **M.A.in HINDI (8), SANSKRIT (8), ODIA (8) in self financing mode:** The course fee for these seats is Rs.10,000/- per annum in self- financing mode.

3   REQUIREMENTS FOR ATTENDANCE IN CLASSES

Minimum of seventy five per cent (75%) attendance in the semester is essential for appearing at the Semester Examination. In exceptional cases like medical ground, and for students allowed by the department to conduct dissertations at other institutions, absence for representing the University (at state, national and international events), a relaxation upto 15% in attendance may be considered. In no case any compromise in attendance shall be entertained.

4   ACADEMIC CALENDAR FOR PG

Semester	Date
Monsoon Semester (21 June – 16 December)	
Date of Reopening	21June
Commencement of classes	1 July
Date of Completion	16 December
Mid-Semester Examination	25-31 August
Form Fill Up	1Sept to 30 Sept
End Semester Examination	16 Nov to 16 Dec
Spring Semester (17 December – 16 May)	
Date of Commencement	17 December
Winter Break	24 – 31December
Date of Commencement of classes	17 May
Mid-Semester Examination	22 – 28 February
Form Fill Up	1 March onwards
End Semester Examination	20 April to 16 May

5   RESIDENTIAL FACILITY

The University has limited residential facilities for boys and girls**.** Therefore, candidates who may not come under subject/course wise merit list for available accommodation in hostels, have to make their own arrangements.

Selection for admission in the hostels shall be made on the basis of merit. However, seats shall be reserved for SC/ST/ Persons with disability as per rule. Local students (i.e. students whose parents are residing within **Cuttack Municipality area**) are not allowed to avail hostel accommodation notwithstanding their position in general merit list for admission.

For details on the residential facility, please refer the **„Hostel Admission Information Brochure‟** which will be available on the University web page after the publication of merit list.

Candidates desirous of availing hostel accommodation will have to apply separately in the prescribed online application form, which will be available in the University website soon after the admission into different PG courses.

6   INSTRUCTION FOR FILLING UP THE APPLICATION FORM

Candidates seeking admission into different PG courses of the University should follow the following steps for successful submission of application. The online application must be submitted on or before **June 10th, 2016**.

All applicants should have a <u>valid email ID</u> before applying for admission into PG courses. <u>*All applicants should keep ready a scanned copy of passport size photograph, scanned copy of signature and scanned copy of online payment receipt (all in .jpg / .JPEG file format) before filling up the online application form*</u>. All communications from the University to the candidates will be through website.

STEP 1   Registration and Deposit of Application Fee

Online registration form is available in the Ravenshaw University Website „**https://eadmission.ravenshawuniversity.ac.in**‟   at the link „**Register Here**‟ .

Applicants are required to fill all the entries in the online regd. form before pressing the submit button.

Application fee for all P.G. Courses – Rs. 200/-

The applicants are required to pay the Application Fee before submitting application online and to quote the particulars of payment of Application Fee therein.

Online payment can be made through "Online Payment" in Ravenshaw University website, www.ravenshawuniversity.ac.in.

Important: Print two copies of the e-Receipt. Attach one copy along with the application form as proof of payment and submit to RAVENSHAW UNIVERSITY and keep the second copy for your record.

STEP 2   Filling of online Application Form

- Online application form is available in the Ravenshaw University   Website „**www.ravenshawuniversity.ac.in**‟   at the link **„ADMISSION-2016**‟ .

- Applicants are required to fill all the entries in the online application form before pressing the submit button.

- After submission of the application online, candidates are required to take two printouts of the application form (One copy will be retained by the candidate and the other one will be sent to the university)

STEP 3   Submission of filled application form and documents (Hard Copy)

The applicants are required to send the following documents by <u>Registered Post or Speed Post</u> in an A4 size envelope to **the Registrar, Ravenshaw University, Cuttack, 753003** after online application so as to reach the University office on or before **June 13th, 2016 until 5 PM**. They can also submit the documents by hand at Ravenshaw University Counter on or before **June 13th, 2016 until 5 PM**. **The university will not be held responsible for any postal delay.**

The applicants are required to write "**APPLICATION FOR ADMISSION TO PG COURSE IN_____SUBJECT**" on the top of the **A4** size envelope.

List of enclosures

i)   Print out of the application form (printed application form after online submission).

ii) E-receipt for **Rs. 200/-.**

Applicants are required to make the following **entries on the reverse** of the E-receipt.

- **Application ID**
- **Name and Address**
- **Course/ Subject applied**

Candidates are advised to take a printout of the admit card after last date of the online form submission by logging in with the username and password given.

Applications for more than one subject: Candidates desirous of applying for more than one PG course are required to fill separate online application form with requisite application fee for each subject and send separately the printout of application form along with the required documents as explained in the **INSTRUCTIONS FOR FILLING OF APPLICATION FORM**. The candidate needs to appear for entrance test separately for each subject condition to fulfilling the exam schedule.

7   Candidates to bring following documents to PG Entrance Centre

i)   **ADMIT CARD**: Candidates are required to bring the admit card to the entrance examination centre (**to be downloaded by the candidate after the last date of online application by logging in with his/her username & password).**

ii) **IDENTITY PROOF:** Candidates are required to bring at least one ID Proof such as Voter Identity Card/ Aadhaar/ Driving License or any other recognized proof.

No other intimation shall be issued for appearing the entrance examination.

The candidates are requested to report at the examination center (**Ravenshaw University Campus** / **Government Autonomous College, Bhawanipatna**) **at least one hour before** the commencement of examination.

8 ELIGIBILITY FOR ADMISSION INTO DIFFERENT PG COURSES

A student who was earlier admitted/ has passed one Postgraduate course in one subject from Ravenshaw University will not be allowed to apply for admission into another Undergraduate/ Postgraduate course in this University. If any such violation is detected later, the admission will stand cancelled.

I.   Admission into **Physics, Chemistry, Mathematics, Botany, Zoology, Geology, Commerce, Applied Geography, Economics, Education, English, Hindi, History, Odia, Philosophy, Political Science, Psychology, Sociology and Sanskrit** require second class honours with minimum 50% marks in the concerned subject.

II. **Statistics:** Either Statistics **or** Mathematics as a subject with minimum 50% mark in the undergraduate level.

III. **Biotechnolog***y:* Honours in Biotechnology, Microbiology, Botany, Zoology, Chemistry or any other subject relating to Life Sciences with minimum 50% marks.

IV. **Computer Science and Information Technology Management (ITM):** Honours in Computer Science / ITM / IST or B.Tech. in Computer Science/ IT / Electronics / BCA with minimum 50% marks.

V.   **Electronics and Telecommunication (ETC):** Honours in Electronics / IST/ ITM/ Computer Science/ IT/ Physics/ Mathematics or B.Tech. in Electronics/ Computer Science/ IT or Equivalent with minimum 50% marks.

VI. **Journalism and Mass Communication (JMC***):* Graduate in any discipline with minimum 50% marks in honours or 50% in aggregate (for students having no honours).

VII. **Rural Development:** Graduate in any discipline with minimum 50% marks in honours or 50% in aggregate (for students having no honours).

VIII. **International Studies:** Graduate in any discipline with minimum 50% marks in honours or 50% in aggregate (for students having no honours).

IX. **Entrepreneurship**: Second class with minimum 50% marks in B.Com Honours.

.: Those who have passed the Three-year Degree Course Examination from a University / Institution (situated outside the state of Odisha) where provision of teaching in Honours does not exist, will be eligible to apply for PG course provided they have taken the examination in the concerned subject with minimum of 8 papers carrying at least 800 marks, subject to the fulfillment of the minimum eligibility condition as laid down above.

A relaxation of 5% of marks shall be given in favour of SC and ST applicants.

9 SELECTION NORMS

The merit list for admission into PG courses will be prepared on the basis of performance of the candidate in the entrance test only. In case of a tie the following conditions will be applied in order of preference.

    i) Total number of correct answers secured.

    ii) Total number of questions attempted.

A candidate, once selected for provisional admission, will have to produce his/ her final marksheet and CLC/ TC/ Migration Certificate (as provided by the institution last attended) on the day of admission to prove his/her eligibility failing which he/she will not be admitted. However, three days time will be given to candidates in the waiting list for admission.

10 RESERVATION OF SEATS

- Scheduled Caste (SC) – 16.25%, Scheduled Tribe (ST) –22.50%, Ex-Service Men and Family (ESM) – 1%, Service Defence Personnel (SDP) – 1%, Physically Handicapped (PH) with 40% & above disability – 3%, Sports – 1%, N.S.S.- 1%. However, any subsequent modification in the reservation policy as per Government of Odisha notification will be notified accordingly.

- In case of non-fulfillment of reserved seats, they shall be de-reserved.

- In calculation of reserved seats, any fraction equal/above 0.5 shall be counted as one while the decimal less than 0.5 shall be ignored.

- Weightage of 5% and 10% of marks secured by the candidate in the entrance test for representing University and State in Cultural Troupes in the last three years, respectively. The weightage is subject to the enclosure of relevant certificate, to the satisfaction of the authority, with the application form.

- Sports events, approved by the Indian Association of Universities, will only be considered for reservation. Sports certificate must be countersigned by the Director of Sports and Youth Services.

- During admission process for different courses of the University, admission will be given to the national and international players (those who represent the state and country in events conducted by Association of Indian Universities), into PG courses over and above the sanctioned strength and subject to a maximum of 3% of the total sanctioned strength in the concerned course.

- SC/ST certificate should be from competent authority (District magistrate/ Collector/ ADM/ SDM/ SDO/ Executive magistrate/ Tahashildar/ Additional Tahasildar/ BDO).

- **PH certificate** should be from the **CDMO. Temporary PH certificate / PH less than 40% will not be considered.**

- Reservation of seats is applicable only for candidates from Odisha.

- For Kashmiri migrant students, a relaxation in cut off percentage upto 10% subject to minimum eligibility requirement and intake capacity upto 5% course-wise. No domicile certificate is required for Kashmiri migrants.

- Two seats are reserved under supernumerary quota for students from Jammu & Kashmir.

11 DATE OF SUBMISSION

Last date of submission of **online** application for admission into all PG courses is **10th June, 2016.** The **printed** application form with necessary documents should reach the University on or before **13th June, 2016 until 5PM**. The University will not be held responsible for any postal delay.

12 PATTERN OF QUESTIONS IN ENTRANCE TEST FOR P.G. COURSES

- Multiple choice questions will be set in the Entrance Test. The responses to the questions shall be made on the OMR sheet by darkening the relevant oval in **blue or black ball point pen**. The duration of Entrance Test shall be of **two hours**.
- There shall be 100 questions and all are compulsory, each carrying one mark. **There is negative marking in the entrance test. For each wrong answer 0.25 mark will be deducted.** The syllabi for Entrance Test in various subjects are same as the UG (Honours) syllabi of Ravenshaw University. The candidates are advised to check the same available in the Ravenshaw University website (ravenshawuniversity.ac.in). The candidates applying for M.Sc. in Applied Geography are required to follow UG (Honours) syllabi of Geography in the University website. However, the detailed syllabi for Entrance Test in the following subjects are given in **Annexure-I**.
(1) Biotechnology (2) Computer Science (3) Electronics and Telecommunication (ETC) (4) Information Technology Management (ITM) (5) International Studies (6) Journalism and Mass Communication (JMC) and (7) Rural Development.

13 PUBLICATION OF MERIT LIST AND DATES FOR COUNSELLING AND ADMISSION

The results of the entrance examination will be published in the **University website and the notice boards** of the university tentatively **within 10 days after the completion of entrance test of all subjects** and the Merit List for admission into different PG courses along with the Dates for counseling and admission shall be published in the **website and the notice boards** of the university tentatively after 4 days of the publication of entrance examination results. Candidates are required to check the merit list and the dates for counseling and appear for counseling for admission on the scheduled dates with required documents.

NO SEPARATE INTIMATION SHALL BE ISSUED TO THE CANDIDATES FOR ATTENDING COUNSELLING/ADMISSION.

The provisionally selected candidates will be required to take admission on the day of admission. No extension of date of admission is allowed. If a provisionally selected candidate fails to submit the required documents and admission fees on the specified dates of counseling, the claim for admission shall be forfeited. However, three days time will be given for wait-listing candidates only for the submission of CLC/TC, provided the candidate submits the proof of her/his admission in any other university/college.

14 DOCUMENTS TO BE PRODUCED AT THE TIME OF COUNSELING/ADMISSION

i)   All original certificates and documents in support of qualification (certificates and mark sheets), reservation, weightage and College Leaving Certificate/ Transfer Certificate/ Migration Certificate. The mark sheet of the last qualifying examination must prove that he/ she has secured the minimum eligible percentage of marks, i.e., not less than 50%.No fraction of percentage below 50% will be considered.

ii) Blood Group Certificate

iii) Four recent stamp size photographs

iv) Demand Draft for admission fees as intimated by the university office

v)   For Ex-service men and family members, Discharge Certificate in original

vi) All other required forms uploaded along with the merit list

If a provisionally selected candidate fails to submit the documents and admission fees on the specified date of counseling, the claim for admission shall be forfeited. No extension of date of admission is allowed. However, three days time will be given for wait-listing candidates only for the submission of CLC/TC, provided the candidate submits the proof of her/his admission in any other university/college.

15 PERIOD OF ADMISSION

All admissions shall be completed tentatively by 14th August 2016 or within six weeks of the publication of UG results of Ravenshaw University. In exceptional circumstances the Vice Chancellor in consultation with Admission Committee can extend the admission date beyond six weeks.

16 ADMISSION FEES

Fees for admission into PG courses, to be collected at the time of admission, are as follows.

Admission Fee Structure for P.G. (Regular Courses)

Arts (Non-practical courses)	
Boys	Rs.2450/-
Girls	Rs.2150/-
SC/ST	Rs.2150/-
Arts (Practical courses)	
Boys	Rs.4950/-

Girls	Rs.4650/-
SC/ST	Rs.4650/-
Science	
Boys	Rs.4950/-
Girls	Rs.4650/-
SC/ST	Rs.4650/-
Commerce	
Boys	Rs.2450/-
Girls	Rs.2150/-
SC/ST	Rs.2150/-

Admission Fee Structure for P.G. in Self-Financing Courses

ITM, Biotechnology, Computer Science, ETC, MCA & JMC – Boys	Rs. 4950/-
ITM, Biotechnology, Computer Science, ETC, MCA & JMC – Girls and SC/ST	Rs. 4650 /-
Rural Development & International Studies – Boys	Rs. 2450/-
Rural Development & International Studies – Girls and SC/ST	Rs. 2150/-

Annual Course Fee for Self-Financing Courses

Journalism and Mass Communication (JMC)	Rs.25,000/-
Information Technology Management (ITM)	Rs.35,000/-
Biotechnology	Rs.40,000/-
Computer Science	Rs.30,000/-
Electronics and Telecommunication	Rs.35,000/-
Rural Development	Rs.20,000/-
MCA	Rs.30,000/-
International Studies	Rs.20,000/-
HINDI (SELF FINANCING MODE)	Rs.10,000/-
SANSKRIT (SELF FINANCING MODE)	Rs.10,000/-
ODIA (SELF FINANCING MODE)	Rs.10,000/-
COMMERCE (SELF FINANCING MODE)	Rs.25,000/-
Entrepreneurship (SELF FINANCING MODE)	Rs.25,000/-

Note: (i) The above fee structure is tentative and liable to change. Processing charge of **Rs. 500** will be deducted from course fee (of self financing courses only) if the candidate wishes to leave the course on or before the last date of admission, i.e., 14th August, 2016. However, after the last date of admission the course fee is not refundable.

(ii) Over and above these fees, a candidate has to pay Rs.800/- towards Examination Fees for Semesters I and II.

17 GENERAL RULES

1. Qualifying the entrance test shall not, ipso facto, entitle a candidate to get enrolment in the department concerned where he/she intends to seek admission. It will be the responsibility of the candidate to ensure his/her eligibility and fulfillment of such other conditions as may be prescribed for admission in the rules and regulations of the university.

2. Once paid, the PG application and admission fee shall in no case be refunded. However, in case of cancellation of admission the course fee may be refunded only within the last date of admission, 14th August 2016.

3. Any visually challenged candidate can avail the services of a writer during the Entrance Test. The maximum qualification of a writer is 10+2. The interested candidates should contact the Chairperson, Admission Committee-2016 one week before the commencement of the entrance test to fulfill the formalities for the assignment of a writer.

4. Admit cards will be issued to the candidates provisionally. The candidates shall be taking test at their own risk and responsibility subject to final confirmation of their eligibility at the time of enrolment. The university shall, in no way, be responsible if they are found to be ineligible later, leading to cancellation of their result or any other consequence(s) emanating from the same.

5. The candidates shall be admitted to the entrance test only on the production of the admit card at the examination centre. No candidate shall be allowed to take the entrance test without the admit card under any circumstances. The candidates must retain the admit card with them till the enrolment process is over and must produce the same at the time of enrolment.

6. The candidates shall be required to answer the questions only on the OMR-sheets provided for that purpose, as per the rules/ norms stated in the respective OMR sheets.

7. The use of calculator is not allowed in any subject/paper, unless it is specified in the question. But it should not be programmable calculator.

8. The university will provide the logarithmic table. Borrowing of log table or other material from any other person/ candidate is not allowed.

9. For rough work, only the sheets marked „rough work" at the end of the question booklet/script should be used. No rough work should be done on the OMR sheet under any circumstances.

10. The candidates are not permitted to carry any telecommunication equipment such as pager, cellular phone, wireless set etc., inside the examination hall. Anybody in possession of telecommunication equipment will make her/him liable for expulsion.

11. Any person who impersonates a candidate shall be disqualified from appearing in any university examination for a period of five years including this test. If that

person is a student on the rolls of a recognized college or university, he/she shall be declared as a person not fit and proper to be admitted to any examination of this university for a period of five years. His/her case, if necessary, shall also be reported to the police for any further action in the matter. The candidate who is being impersonated shall also be disqualified for a period of five years from appearing in any examination of this university, apart from any other action which the university may take against him, as deemed fit.

12. Any candidate who creates disturbance of any kind during examination or otherwise misbehaves in or around the examination hall or refuses to obey the superintendent/deputy superintendent/assistant superintendent/any other official on examination duty or changes his/her seat with any other candidate or occupies any seat, other than the one allotted to him/her shall be expelled from the examination hall. ("expulsion" for this purpose would mean cancellation of candidature)

13. Any candidate having in his possession or accessible to him/her papers/books or notes which may possibly be of any assistance to him /her or is found giving or receiving assistance, or copying from any paper/book or note or from anywhere else or allowing any other candidate to copy from his/her answer book or found writing on any other paper question set in the question paper during examination, or using or attempting to use any other unfair means, or indulging in any kind of misconduct, shall be expelled from the examination hall. ("expulsion" for this purpose would mean cancellation of candidature)

14. The centre superintendent/observer/any other authorized university officer/official shall be competent to expel a candidate from the examination centre under instruction nos.13 & 14.

15. No candidate shall be permitted to leave the examination hall/room before the expiry of the time allowed for the examination.

16. The candidates shall be required to hand over their answer-sheets and the question papers / booklets in full to the centre superintendent even if they have not attempted any question. No page/part of the question paper/answer sheet is to be removed / torn /taken out of the examination centre under any circumstances, failing which the candidates shall be disqualified from the entire test.

17. **There will be negative marking in the entrance test. For each wrong answer 0.25 mark will be deducted.**

18. There shall be no re-evaluation/re-checking/re-assessment of OMR- sheets. Request for seeing the question booklet/evaluated answer sheets/answer-books by the candidates shall not be entertained. The evaluation once done by the universityshall be taken as absolutely final.

19. If any answer sheet of a candidate shows or if it is otherwise established that he/she has received or attempted to receive help from any source in any

manner or has given help or attempted to give help to any other candidate in any manner, the relevant answer-sheets shall be cancelled. The decision of the Admission Committee 2016, Ravenshaw University, Cuttack, in this regard shall be final.

20. If a candidate writes his/her name or puts any kind of identification mark or discloses his/her identity by any method whatsoever on the cover or anywhere else in the question booklet/answer sheets, the same shall be treated as cancelled. The decision of the Admission Committee 2016 Ravenshaw University, Cuttack, in this regard shall be final.

21. If it is found that a candidate has knowingly or willfully concealed or suppressed any information/fact which renders him/her ineligible to take the entrance test, his/her result of the test and as also enrolment to PG, if granted, shall stand cancelled. He/ she shall have no claim, whatsoever, against the university. The case, if necessary, shall be reported to the police for any further necessary action in the matter.

22. If a dispute or controversy of any kind arises before, during, or after conduct of the entrance test, the decision of the Admission Committee 2016, Ravenshaw University, Cuttack, in all such cases, shall be final.

18 INTERPRETATION OF RULES

The decision of the Admission Committee with regard to anything not covered in the official Brochure, or has given rise to dispute in interpretation of any rule, shall be final and binding.

Chairperson, Council of Deans
Ravenshaw University

Annexure – I

SYLLABI FOR POSTGRADUATE ENTRANCE TEST

M. Sc. (Biotechnology)

1. **Cell biology:** Microscopy, ultra structure of prokaryotic and eukaryotic cell; cellular organization, structure and function of cell wall, cell membrane, mitochondria, plastids, ribosomes, endoplasmic reticulum, nucleus
2. Structure and morphology of chromosomes, nature of genetic material, gene concept and genetic code
3. **Cell division**: Mitosis, meosis and cytokinesis, cell cycle
4. **Biochemistry**: Properties of water, hydrogen ion concentration and buffers, chemical bonds and concept of free energy, structure and chemistry of carbohydrates, proteins, aminoacids, fats, organic acids, nucleic acids. Protein, Nucleic acid and fat metabolism
5. **Enzymes**: Nomenclature, classification and properties, Enzyme kinetics, Mechanism of enzyme action.
6. **Microbiology:** Biogenesis, germ theory of diseases, pure culture concept, morphology fine structure, growth, reproduction and economic importance of bacteria and viruses.
7. **Immunology**: Phylogeny of Immune system, Innate and acquired Immunity, Clonal nature of Immune response, Cells of the Immune system, Antigens, Antibodies, immunodeficiency diseases. Transplantation
8. **Genetics**: Mendelism, Interaction of factors, chromosome theory of heredity, linkage and crossing over, gene mutation, chromosomal aberration and polyploidy
9. **Molecular Biology**: Physico-chemical properties of nucleic acids, Prokaryotic and eukaryotic Genome organization, DNA Replication and repair, Prokaryotic transcription, eukaryotic transcription and regulation, Prokaryotic and eukaryotic translation, gene regulation
10. **Genetic engineering**: Molecular tools: Enzymes, hosts and vectors, Nucleic acid sequencing and amplification, molecular markers, DNA transfection, gene therapy, gene silencing
11. **Plant physiology**: Absorption and translocation of water, phloem transport, mineral uptake, Photosynthesis, Respiration, plant hormones.
12. **Animal physiology**: Animal nutrition, digestive system, circulatory system, blood grouping and clotting, excretory system, homeostasis
13. **Biostatistics**: Statistics; Meaning, Definition, functions and limitations, frequency distribution, Chi-square test, Simple correlation and Regression
14. **Environmental Biology**: Basic concepts and issues, Air pollution, Water pollution, soil pollution, Green house technology, Bioremediation of contaminated soil and waste lands, Solid waste management

M.Sc. (Computer Science)

1. **Computer Science - (Honours Course)**
    Computer Fundamentals, Operating System, DBMS, C & C++ Programming, Data Structure, Networking.
2. **Mathematics - (Pass Course of Ravenshaw University)**
    Real Analysis, Modern Algebra, Linear Algebra, Numerical Analysis

Electronics and Telecommunication

1. The questions of M.Sc (ETC) entrance exam would be comprised of two parts i,e **Part-I** and **Part-II**. Part-I contain 50 questions from the following areas:
a) General English
b) General Knowledge
c) Mathematical Reasoning
2. Part-II contains another 50 questions from the following area:
    Basic(Analog & Digital) Electronics & IT

INTERNATIONAL STUDIES

- **Concepts, Theories and Issues of International Relations:**
  Nature of International Politics. Theories and Approaches to the study of International Politics (Theories of International Politics: Realism,Neo-Realism, Liberalism, Neo-Liberalism, Game Theory, Systems and Decision making) Elements of National Power; Role of Power in International Politics, Balance of Power, Bipolarity, Unipolarity and Multipolarity. The Concept of Nation-State, National Interest and National Security ,Collective Security, the role of the United Nations. Cold War, Détente, New Cold War; Post Cold War and the emerging World Order. Politics of Liberalization, Globalization and World Trade Organization. Nuclear Weapons, Deterrence and World peace. Nationalism , Nation-State and challenges to Nation –States. Contemporary World Order: End of cold war, United States as an Eminent power & Multipolarity (European Union, China and Japan) Globalization and Its implications. Environmental and Ecological Problems. Human Rights.
  International Economic Issues: Trade Regime (WTO) and Economic Groupings, Role of International Financial Institutions, Role of Multi-National Corporations, Trans-national threats to International Security: International Terrorism, Drug Trafficking, Proliferation of small arms. Weapons of Mass Destruction: Nuclear, Biological ,Chemical and other weapons and Arms Control and Disarmament.
- **India's Foreign Policy**

Objectives and Principles, Basic Determinants. India and its Neighbours, India and Major Powers, India and Non-Alignment, Major issues of Indian Foreign Policy.

- **International Organisations**
  League of Nations,United Nations , Regional Organisations: EU,ASEAN,SAARC ,OAU. Collective Security, Peace Keeping, Peace Making & Peace Building, International Law. UN Agencies and other International Organizations Restructuring of the United Nations
- **General Knowledge of World Affairs, World History,Geography,Economics and Current Events.**

ITM

Basics of Data Communication Networking:
OSI model, TCP/IP protocol suite, LAN, WAN, MAN, Topology, Transmission Media (Guided & Unguided Media), Switching Techniques- (Circuit Switching & Packet Switching).LAN/WAN devices(hub, switch, gateway & router).
Computer Organization

Digital Electronics: K-Map, Logic Gates, Registers & Counters, MUX and DEMUX, Encoder & Decoder.

Architecture: I/O Devices, Memory Mapping, Memory Addressing, Bus Structure (Address Bus, Data Bus & Control Bus).

Operating System: Scheduling Techniques (FCFS, SJF, RR, Multilevel Queue), Deadlock Handling, Virtual Memory.

Computer Language:
C language: Data types, Array, Functions.
C++ : OOPs, Variable Aliasing, Operators Overloading, Inheritance.
Java: Package, Polymorphism Interface.

Computer Application
DBMS: Basics, Normalization, Transaction & Concurrency control.
Data Structure: Sorting (Bubble Sort, Heap Sort, Merge Sort), Searching (Linear, Binary), Application of tree.

English
Report Writing, Grammar, Communication Skill.

J.M.C.

1. **Communicative English:** Report Writing, letter writing, Writing of C.V., Letter to the Editor, Drafting of Condolence messages, Telegrams etc.
2. **Analytical Reasoning**
3. **General Knowledge:** Science & Technology, Sports, Current Affairs, Literature, Historical dates.

Rural Development

1. English Aptitude
2. General Knowledge
3. Mental Ability and Reasoning
4. Numerical Ability/Quantitative Aptitude

ANNEXURE I
AFFIDAVIT BY THE STUDENT

I,_____(Full name of student with admission/ registration/ enrolment number) s/o d/o Mr. /Mrs./ Ms._____, having been admitted to_____(name of the institution), have received a copy of the UGC Regulations on curbing the menace of Ragging in Higher Educational institutions, 2009, (hereinafter called the "Regulations"), carefully read and fully understood the provisions contained in the said Regulations.

2)   I have, in particular, perused clause 3 of the Regulations and am aware as to what constitutes ragging.

3)   I have also, in particular, perused clause 7 and clause 9.1 of the Regulations and am fully aware of the penal and administrative action that is liable to be taken against me in case I am found guilty of or abetting ragging, actively or passively, or being part of a conspiracy to promote ragging.

4)   I hereby solemnly aver and undertake that

  a)   I will not indulge in any behaviour or act that may be constituted as ragging under clause 3 of the Regulations.

  b)   I will not participate in or abet or propagate through any act of commission or omission that may be constituted as ragging under clause 3 of the Regulations.

5)   I hereby affirm that, if found guilty of ragging, I am liable for Punishment according to clause 9.1 of the Regulations, without prejudice to any other criminal action that may be taken against me under any penal law for the time being in force.

6)   I hereby declare that I have not been expelled or debarred from admission in any institution in the country on account of being found guilty of, abetting or being part of a conspiracy to promote, ragging; and further affirm that, in case the declaration is found to be untrue, I am aware that my admission is liable to be cancelled.

Declare this   day of_____month of   year.

Signature of deponent
Name:

Verification

Verified that the contents of this affidavit are true to the best of my knowledge and no part of the affidavit is false and nothing has been concealed or misstated therein.
Verified at_____(Place) on this the_____(day) of_____(month),_____year.

_____
Signature of deponent

Solemnly affirmed and signed in my presence on this the_____(day) of_____(month),_____(year) after reading the contents of this affidavit.

OATH COMMISSIONER

_____

ANNEXURE II
AFFIDAVIT BY PARENT/GUARDIAN

1) Mr. / Mrs. / Ms._____(Full name of Parent/ guardian) father/ mother/guardian of, _____ (Full name of student with admission/registration/enrolment number), having been admitted to_____(name of the institution), have received a copy of the UGC Regulations on curbing the menace of Ragging in Higher Educational institutions, 2009, (hereinafter called the "Regulations"), carefully read and fully understood the provisions contained in the said Regulations.

2) I have, in particular, perused clause 3 of the Regulations and am aware as to what constitutes ragging.

3) I have also, in particular, perused clause 7 and clause 9.1 of the Regulations and am fully aware of the penal and administrative action that is liable to be taken against my ward in case he/she is found guilty of or abetting ragging, actively or passively, or being part of a conspiracy to promote ragging.

4) I hereby solemnly aver and undertake that

   a) My ward will not indulge in any behaviour or act that may be constituted as ragging under clause 3 of the Regulations.

   b) My ward will not participate in or abet or propagate through any act of commission or omission that may be constituted as ragging under clause 3 of the Regulations.

5) I hereby affirm that, if found guilty of ragging, my ward is liable for Punishment according to clause 9.1 of the Regulations, without prejudice to any other criminal action that may be taken against my ward under any penal law for the time being in force.

6) I hereby declare that my ward has not been expelled or debarred from admission in any institution in the country on account of being found guilty of, abetting or being part of a conspiracy to promote, ragging; and further affirm that, in case the declaration is found to be untrue, the admission of my ward is liable to be cancelled.

Declare this_____day of_____month of_____year.

Signature of deponent
Name:
Address:
Telephone/Mobile No:

Verification

Verified that the contents of this affidavit are true to the best of my knowledge and no part of the affidavit is false and nothing has been concealed or misstated therein.
Verified at_____(Place) on this the_____(day) of_____(month),_____(year).

_____
Signature of deponent

Solemnly affirmed and signed in my presence on this the_____(day) of_____(month),_____(year) after reading the contents of this affidavit.

OATH COMMISSIONER

_____
Admission Information Brochure for PG Courses 2016-17