

**ORDINANCE NO. 21 of 2015**

Examinations leading to the Post-Graduate Diploma in Plant Tissue Culture [One Year Semester Pattern..... ] in the faculty of Science, Ordinance, 2015.

Whereas it is expedient to frame an Ordinance in respect of Examinations leading to the Post-Graduate Diploma in Plant Tissue Culture [One Year Semester Pattern.....] in the faculty of Science, Ordinance, 2015, for the purposes hereinafter appearing the Management Council is hereby pleased to make the following Ordinance.

- 1) This Ordinance may be called, "Examinations leading to the Post-Graduate Diploma in Plant Tissue Culture [One Year Semester Pattern.....] in the faculty of Science, Ordinance, 2015"
- 2) This Ordinance shall come into force w.e.f. the date of its approval by the Management Council.
- 3) Following shall be the Examinations leading to the Post - Graduate Diploma in-
  - (i) Post Graduate Diploma in Plant Tissue Culture, Semester-I - Examination
  - (ii) Post Graduate Diploma in Plant Tissue Culture, Semester-II - Examination
- 4) Duration of each of the above semester shall be six months with an examination at the end of each semester.
- 5)
  - (i) The examinations specified in paragraph 3 above shall be held twice a year at such places and on such dates as may be appointed by the Board of Examinations.
  - (ii) Main Examination of Semester-I shall be held in Winter and Supplementary Examination in Summer.
  - (iii) Main Examination of Semester-II shall be held in Summer and Supplementary Examination in Winter.
- 6) Subject to the compliance with the provisions of this Ordinance and of other Ordinances in force from time to time, the following candidates shall be eligible for admission to the Post-Graduate Diploma in Plant Tissue Culture [One Year Semester Pattern..... ] Examinations namely:-  
Bachelor Degree in any discipline in Life Science subjects or B.Sc. (Agri.)
- 7) Subject to the compliance with the provisions of this Ordinance and of other Ordinances (Pertaining to examination in General) in force from time to time, the applicant for admission to examination at the end of the course of study of a particular Semester shall be eligible to appear at it, if: The Examinee---
  - (i) The Examinee satisfies the conditions in the table and the provisions thereunder :-

**TABLE**

Sr.No.	Name of examination	The student should have completed the term satisfactorily
1	2	3
1	Diploma in Plant Tissue Culture Semester-I	Semester-I
2	Diploma in Plant Tissue Culture Semester-II	Semester-II

**Note -** Subjects prescribed and numbered in the scheme of Examinations shall be treated as separate subjects, however, the theory and practical, if any, of the subject shall be treated as separate Head of Passing.

- (ii) The Examinee complies with provisions of Ordinance pertaining to Examination in general.
- (iii) The Examinee has prosecuted a regular course of study in University Department/College affiliated to the University.

- 8) Papers and the Practicals in which an examinee is to be examined, maximum marks for these and the minimum pass mark which an examinee must obtain in order to pass in the subject and the examination shall be as detailed in the Examination Scheme appended herewith as Appendix-A with this Ordinance.
- 9) Examination fees for each semester of the examination and also the practical examination shall be as prescribed by the University from time to time.

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**SANT GADGE BABA AMRAVATI UNIVERSITY GAZETTE - 2015 - PART ONE -115**

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- 10) An examinee who is successful at Semester-I, Semester-II examinations under this Ordinance and who has obtained 75% or more marks in aggregate of Semester-I, Semester-II Examinations shall be placed in the First Division with Distinction, those obtaining 60% or more but less than 75% shall be placed in the First Division and all other successful examinees shall be placed in the Second Division.
- 11) (i) Scope of the subjects shall be as indicated in the syllabus.  
(ii) Medium of instruction and examination shall be English.
- 12) Provision of Ordinance No.18 of 2001 relating to an Ordinance to provide grace marks for passing in a head of passing and Improvement of Division (Higher Class) and getting distinction in the subject and condonation of deficiency of marks in a subject in all the faculties prescribed by the Statute No.18 and of Ordinance No.10 relating to Providing for Exemptions and Compartments shall apply to the examination under this Ordinance.
- 13) An examinee who does not pass or who fails to appear at the examination shall be eligible for readmission to the same examination on payment of fresh fees and such other fees as may be prescribed.
- 14) As soon as possible after the examination, the Board of Examinations shall publish a result of the examinees. The result of the examinations shall be classified as above and merit list shall be notified as per Ordinance No. 6
- 15) Notwithstanding anything to the contrary in this Ordinance no students shall be admitted to the course under this Ordinance, if the candidate has already passed the same examination or an equivalent examination of any Statutory University.
- 16) Examinees who have passed in all the subject prescribed for Semester-I, Semester-II of the examination of the Diploma course shall be eligible for award of the Post-Graduate Diploma in Plant Tissue Culture [One Year Semester Pattern.....]

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**Appendix-A**  
**Scheme of Teaching and Examination for the Post Graduate Diploma in Plant Tissue Culture (One Year – Semester Pattern)**

Sr. No.	Sub. Code No.	Paper / Practical No.	Subject	Teaching Scheme			Examination Scheme										Grand Total
				Theory	Practical	Total Periods / week	Theory					Practical					
							Duration of Papers (Hrs.)	Max. Marks Theory Papers	Max.Marks Internal Assessment	Total	Min. Pass Marks	Max. Marks	Max. Marks Internal Assessment	Total	Min. Pass Marks		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
<b>Semester-I</b>																	
1	1PTC1	I	Introduction to Basic Biology	4	-	4	3	40	10	50	20	--	--	--	--	50	
2	1PTC2	II	Basic Plant Tissue Culture	4	-	4	3	40	10	50	20	--	--	--	--	50	
3	1PTC3	III	Plant Development, Ezymology and Metabolism	4	-	4	3	40	10	50	20	--	--	--	--	50	
4	1PTC4	IV	Instrumentation	4	-	4	3	40	10	50	20	--	--	--	--	50	
5	1PTC5	P-I	Practical-I (Basic Biology and Basic Plant Tissue Culture)	-	6	6	--	--	--	--	--	40	10	50	20	50	
6	1PTC6	P-II	Practical-II (Plant Development, Ezymology and Metabolism and Instrumentation)	-	6	6	--	--	--	--	--	40	10	50	20	50	
			Total	16	12	28				200				100		300	
<b>Semester-II</b>																	
1	2PTC1	V	Plant Physiology	4	-	4	3	40	10	50	20	--	--	--	--	50	
2	2PTC2	VI	Plant Propagation & Transformation	4	-	4	3	40	10	50	20	--	--	--	--	50	
3	2PTC3	VII	Applied Plant Tissue Culture	4	-	4	3	40	10	50	20	--	--	--	--	50	
4	2PTC4	VIII	Plant Biotechnology	4	-	4	3	40	10	50	20	--	--	--	--	50	
5	2PTC5	P-III	Practical-III (Plant Physiology, Plant Propagation and Transformation, Applied Plant Tissue Culture and Plant Biotechnology)	-	6	6	--	--	--	--	--	40	10	50	20	50	
6	2PTC6	P-IV	Project	-	6	6	--	--	--	--	--	--	--	50	20	50	
			Total	16	12	28								100		300	
Grand Total of Semester-I & II																600	

**ORDINANCE NO. 22 of 2015**

**Examinations leading to Post Graduate Diploma course in Photonics (One Year....Semester Pattern) Ordinance, 2015.**

Whereas it is expedient to frame an Ordinance in respect of Examinations leading to Post Graduate Diploma course in Photonics (One Year....Semester Pattern) Ordinance, 2015, for the purposes hereinafter appearing, the Management Council is hereby pleased to approve the following Ordinance :

1. This Ordinance may be called, "Examinations leading to Post Graduate Diploma course in Photonics (One Year....Semester Pattern) Ordinance, 2015".
2. This Ordinance shall come into force from the date of its approval by the Management Council.
3. Following shall be the Examinations leading to the-
  - (i) Post Graduate Diploma in Photonics, Semester-I – Examination.
  - (ii) Post Graduate Diploma in Photonics, Semester-II – Examination.
4. Duration of each of the above semester shall be six months with an examination at the end of each semester.
5. (i) The examinations specified in paragraph 3 above shall be held twice in a calendar year at such places and on such dates as may be appointed by the Board of Examinations.
  - (i) Main Examination of Semester-I shall be held in Winter and Supplementary Examination in Summer.
  - (ii) Main Examination of Semester-II shall be held in Summer and Supplementary Examination in Winter.
6. Subject to the compliance with the provisions of this Ordinance and of other Ordinance in force from time to time, the following candidates shall be eligible for admission to the Post-Graduate Diploma in Photonics (One Year....Semester Pattern) Examinations namely:-  
Candidates having M.Sc in Physics/Applied Physics/branch that is relevant to Physical Sciences/M.Sc. any subject but necessarily Physics as one of the major subject at Graduation/or B.E./B.Tech.(Electrical/Electronics /Computer / Information Technology/Instrumentation/Mechanical) are eligible to apply for the P.G.Diploma course in Photonics.  
Final admissions will be made on the basis of percentage obtained at qualifying examination (60% weightage) and the performance in the "Special Entrance Test" to be conducted by the nodal center each year (40% weightage) of 20 marks.
7. Subject to the compliance with the provisions of this Ordinance and of other Ordinance (Pertaining to examination in General) in force from time to time, the applicant for admission to examination at the end of the course of study of a particular Semester shall be eligible to appear at it, if: The Examinee---
  - (i) The Examinee satisfies the conditions in the table and the provisions there under :-

**TABLE**

Sr.No.	Name of examination	The student should have completed the term satisfactorily	The student should have passed following examination
1	2	3	4
1	Diploma in Photonics Semester-I	Semester-I	As indicated in Para 6.
2	Diploma in Photonics Semester-II	Semester-II	-----

**Note –** Subjects prescribed and numbered in the scheme of Examinations shall be treated as separate subjects, however, the theory and practical, if any, of the subject shall be treated as separate Head of Passing.

- (ii) The Examinee complies with provisions of Ordinance pertaining to Examination in general.
  - (iii) The Examinee has prosecuted a regular course of study in University Department/College affiliated to the University.
8. Papers and the Practical's in 'which an examinee is to be examined, maximum marks for these and the minimum pass mark which an examinee must obtain in order to pass in the subject and the examination are detailed in the Examination Scheme appended herewith as **Appendix-A** with this Ordinance.
  9. Examination fees for each semester of the examination and also the practical examination shall be as prescribed by the University from time to time.
  10. An examinee who is successful at Semester-I, Semester-II examinations under this Ordinance and who obtained 75% or more marks in aggregate of Semester-I, Semester-II Examinations shall be placed in the First Division with Distinction, those obtaining 60% or more but less than 75% shall be placed in the First Division and all other successful examinees shall be placed in the Second Division.
  11. (i) Scope of the subjects shall be as indicated in the syllabus.  
(ii) Medium of instruction and examination shall be English.
  12. Provision of Ordinance No.18 of 2001 relating to an Ordinance to provide grace marks for passing in a head of passing and Improvement of Division (Higher Class) and getting distinction in the subject and condonation of deficiency of marks in a subject in all the faculties prescribed by the Statute No.18 and of Ordinance No.10 relating to Providing for Exemptions and Compartments shall apply to the examination under this Ordinance.
  13. An examinee who does not pass or who fails to appear at the examination shall be eligible for readmission to the same examination on payment of fresh fees and such other fees as may be prescribed.

14. As soon as possible after the examination, the Board of Examinations shall publish a result of the examinees. The result of the examinations shall be classified as above and merit list shall be notified as per Ordinance No. 6
15. Notwithstanding anything to the contrary in this Ordinance no students shall be admitted to the courses under this Ordinance, if the candidate has already passed the same examination or an equivalent examination of any Statutory University.
16. Examinees who have passed in all the subjects prescribed for Semester-I, Semester-II of the examination of the Diploma course shall be eligible for award of the Post-Graduate Diploma in Photonics (One Year..... Semester Pattern).

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**Appendix-A**  
**Scheme of Teaching and Examination for the Post Graduate Diploma in Photonics (One Year - Semester Pattern)**

Sr. No.	Sub. Code No.	Paper / Practical No.	Subject	Teaching Scheme in Hours.			Duration of Papers/Laboratory Examination in Hrs	Examination Scheme								Grand Total Marks
				Theory	Practical	Total Hours / week		Theory				Practical				
								Max. Marks Theory Papers	Max. Marks Internal Assessment	Total	Min. Pass Marks	Max. Marks	Max. Marks Internal Assessment	Total	Min. Pass Marks	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
<b>Semester-I</b>																
1	1PGDIP1	I	Fundamentals of Photonics	4	-	4	3	80	20	100	40	--	--	--	--	100
2	1PGDIP2	II	Laser Physics	4	-	4	3	80	20	100	40	--	--	--	--	100
3	1PGDIP3	P-I	Laboratory Course-I	-	16*	16*	6	--	--	--	--	80	20	100	40	100
4	1PGDIP4	P-II	Industrial Visits/ Tour/ Interaction/ Training & Seminar -Report				Maximum 45 minis open defense					80	20	100	40	100
			Total	8	16	24		160	40	200	80	160	40	200	80	400
<b>Semester-II</b>																
1	2PGDIP1	III	Optical Fiber and Applications	4	-	4	3	80	20	100	40	--	--	--	--	100
2	2PGDIP2	IV	Non-Linear Optics	4	-	4	3	80	20	100	40	--	--	--	--	100
3	2PGDIP3	P-III	Laboratory Course-II	-	16*	16*	6	--	--	--	--	80	20	100	40	100
4	2PGDIP4	P-IV	Project				Maximum 45 minis open defense					80	20	100	40	100
			Total	8	16	24		160	40	200	80	160	40	200	80	400
Grand Total of Semester-I & II																800

\* 4 Hours of Laboratory course will be dedicated to Tutorials/Assignments/Demonstration/Discussions and allied activities related to the course of a semester.

Note: Daily schedule will be 2 Hours Theory and 3 Hours Laboratory / Field work (Monday-Thursday) and on Friday/Saturday 4 Hours of any other curricular activity like test/tutorials etc related work.

**ORDINANCE NO. 23 OF 2015**

**Examinations leading to the Post-Graduate Diploma in Remote Sensing and GIS (One Year Semester Pattern...) Course, Ordinance, 2015.**

Whereas it is expedient to frame an Ordinance in respect of Examination leading to the Post-Graduate Diploma in Remote Sensing and GIS (One Year Semester Pattern...) Course, Ordinance, 2015.

- 1) This Ordinance may be called, "Examinations leading to the Post-Graduate Diploma in Remote Sensing and GIS (One Year Semester Pattern.....) course, Ordinance, 2015".
- 2) This Ordinance shall come into force from the date of its approval by the Management Council.
- 3) Following shall be the Examinations leading to the-
  - (i) Post Graduate Diploma in Remote Sensing and GIS, Semester-I - Examination
  - (ii) Post Graduate Diploma in Remote Sensing and GIS, Semester-II - Examination
- 4) Duration of each of the above semester shall be six months with an examination at the end of each semester.
- 5) (i) The examinations specified in paragraph 3 above shall be held twice in a calendar year at such places and on such dates as may be appointed by the Board of Examinations.  
 (ii) Main Examination of Semester-I shall be held in Winter and Supplementary Examination in Summer.  
 (iii) Main Examination of Semester-II shall be held in Summer and Supplementary Examination in Winter.
- 6) Subject to his/her compliance with the provisions of this Ordinance and of other Ordinance in force from time to time, the following candidates shall be eligible for admission to the Post-Graduate Diploma in Remote Sensing and GIS (One Year Semester Pattern.....) course Examinations namely:-

Candidates having Post Graduation in Science, Engineering and Technology, Agriculture, Forestry and Geography of this University or equivalent or of any other recognized University. Preference will be given to students having knowledge of Geology, Geography, Remote Sensing and GIS, Water resources, Disaster management, Agriculture and Computer applications are eligible to apply for the diploma course.

- 7) Subject to his/her compliance with the provisions of this Ordinance and of other Ordinance (Pertaining to examination in General) in force from time to time, the applicant for admission to examination at the end of the course of study of a particular Semester shall be eligible to appear at it, if: The Examinee---
  - (i) The Examinee satisfies the conditions in the table and the provisions there under:-

**TABLE**

Sr.No.	Name of examination	The student should have completed the term satisfactorily	The student should have passed following examination
1	2	3	4
1	Diploma in Remote Sensing and GIS Semester-I	Semester-I	As indicated in Para 6.
2	Diploma in Remote Sensing and GIS Semester-II	Semester-II	-----

**Note –** Subjects prescribed and numbered in the scheme of Examinations shall be treated as separate subjects, however, the theory and practical, if any, of the subject shall be treated as separate Head of Passing.

- (ii) The Examinee complies with provisions of Ordinance pertaining to Examination in general.
  - (iii) The Examinee has prosecuted a regular course of study in University Department/College affiliated to the University.
- 8) Papers and the Practicals in 'which an examinee is to examined, maximum marks for these and the minimum pass mark which an examinee must obtain in order to pass in the subject and the examination are detailed in the Examination Scheme as **Appendix-A** appended with this Ordinance.
  - 9) Examination fees for each semester for theory and practical examination shall be as prescribed by the University from time to time.
  - 10) An examinee who is successful at Semester-I, Semester-II examinations under this Ordinance and who obtained 75% or more marks in aggregate of Semester-I, Semester-II Examinations shall be placed in the First Division with Distinction, those obtaining 60% or more but less than 75% shall be placed in the First Division and all other successful examines shall be placed in the Second Division.
  - 11) (i) Scope of the subjects shall be as indicated in the syllabus.  
 (ii) Medium of instruction and examination shall be English.

- 12) Provision of Ordinance No.18 of 2001 relating to an Ordinance to provide grace marks for passing in a head of passing and Improvement of Division (Higher Class) and getting distinction in the subject and condonation of deficiency of marks in a subject in all the faculties prescribed by the Statute No.18, and of Ordinance No.10 relating to Providing for Exemptions and Compartments shall apply to the examination under this Ordinance.
- 13) An examinee who does not pass or who fails to appear at the examination shall be eligible for readmission to the same examination on payment of fresh fees and such other fees as may be prescribed.
- 14) As soon as possible after the examination, the Board of Examinations shall publish a result of the examinees. The result of the examinations shall be classified as above and merit list shall be notified as per Ordinance No. 6
- 15) Notwithstanding anything to the contrary in this Ordinance no students shall be admitted to the course under this Ordinance, if the candidate has already passed the same examination or an equivalent examination of any Statutory University.
- 16) Examinees who have passed in all the subjects prescribed for Semester-I and Semester-II of the Diploma course shall be eligible for award of the Post-Graduate Diploma in Remote Sensing and GIS (One Year Semester Pattern.....) course.

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**Appendix-A**  
**Scheme of Teaching and Examination for the Post Graduate Diploma in Remote Sensing and GIS (Semester Pattern-One Year) course.**

Sr. No.	Sub. Code No.	Paper / Practical No.	Subject	Teaching Scheme in Hours.			Duration of Papers/ Laboratory Examination in Hrs	Examination Scheme								Grand Total Marks
				Theory	Practical	Total Hours / week		Theory				Practical				
								Max. Marks Theory Papers	Max. Marks Internal Assessment	Total	Min. Pass Marks	Max. Marks	Max. Marks Internal Assessment	Total	Min. Pass Marks	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
<b>Semester-I</b>																
1	1PGDRSGIS1	I	Principles of Aerial Remote Sensing	4	--	4	03	80	20	100	40	--	--	--	--	100
2	1 PGDRSGIS 2	II	Satellite Remote Sensing	4	--	4	03	80	20	100	40	--	--	--	--	100
3	1 PGDRSGIS 3	III	Fundamentals of Geomorphology and Cartography	4	--	4	03	80	20	100	40	--	--	--	--	100
4	1 PGDRSGIS 4	IV	Principles of Digital Image Processing	4	--	4	03	80	20	100	40	--	--	--	--	100
5	1 PGDRSGIS 5	P-I	Aerial & Satellite Remote Sensing	--	09	09	03	--	--	--	--	80	20	100	40	100
6	1 PGDRSGIS 6	P-II	GIS Data Analysis and Digital Image Processing	--	09	09	03	--	--	--	--	80	20	100	40	100
			<b>Total</b>	<b>16</b>	<b>18</b>	<b>34</b>				<b>400</b>				<b>200</b>		<b>600</b>
<b>Semester-II</b>																
1	2 PGDRSGIS 1	V	Principles of Geographic Information System	4	--	4	03	80	20	100	40	--	--	--	--	100
2	2 PGDRSGIS 2	VI	Advances in Remote Sensing and GIS	4	--	4	03	80	20	100	40	--	--	--	--	100
3	2 PGDRSGIS 3	VII	Thermal and Radar Remote Sensing	4	--	4	03	80	20	100	40	--	--	--	--	100
4	2 PGDRSGIS 4	VIII	Remote Sensing and GIS Applications	4	--	4	03	80	20	100	40	--	--	--	--	100
5	2 PGDRSGIS 5	P-III	Remote Sensing and GIS Applications	--	09	09	03	--	--	--	--	80	20	100	40	100
6	2 PGDRSGIS 6	P-IV	Project Work	--	09	09	03	--	--	--	--	80	20	100	40	100
			<b>Total</b>	<b>16</b>	<b>18</b>	<b>34</b>				<b>400</b>				<b>200</b>		<b>600</b>
<b>Grand Total of Semester-I &amp; II</b>															<b>1200</b>	