DIRECTION

No.105/ 2024 Date :- 28 /11/2024

Subject:- Examinations leading to the Post Graduate Diploma in Soil Testing [One Year Two Semesters Course under National Education Policy] in the Faculty of Science & Technology, Direction, 2024.

Whereas, Government of Maharashtra vide its order No. – मान्यता-२०२३/प्र.क्र.१०५/मशि-४, दिनांक १५ जून २०२३ has sanctioned Post Graduate Diploma in Soil Testingawarded to the colleges affiliated to the Universityand accordingly a Notification No. 103/2023, dated 28/07/2023 regarding affiliation has been issued in this regard by the University,

AND

Whereas, the Management Council vide its Item No. 119 dated 14/06/2024 has given approval for the institution of said diploma as per section 31(s) of Maharashtra Public Universities Act, 2016

AND

Whereas, the Board of Study in Chemistry has prepared the Syllabi and Teaching, Learning, Examination and Evaluation Scheme of the said programme as per National Educational Policy and recommend the same to the Faculty of Science and Technology vide Item No. 37 ,

AND

Whereas, the Faculty of Science and Technology in its meeting dated 09/07/2024 has approved the recommendation of the Board of Study in Chemistry and recommend it to the Academic Council,

AND

Whereas, Hon'ble Vice-Chancellor has approved the recommendation of the Faculty of Science and Technology pertaining to the Item No. 13(2) (C) R-2) under sub section (7) of Section 12 on behalf of the Academic Council on 25/07/2024,

AND

Whereas, the said programme is to be implemented from the Academic Session 2024-2025 under National Educational Policy,

AND

Whereas, the Scheme of Teaching, Learning, Examination and Evaluation of Semester I & II of the programme of Post Graduate Diploma in Soil Testing is to be regulated by issuing an Ordinance,

AND

Whereas making an Ordinance is a time consuming process.

Now, therefore I, Dr. Milind Barhate, Vice-Chancellor, Sant Gadge Baba Amravati University, Amravati in exercise of powers conferred upon me under Sub-section (8) of Section 12 of the Maharashtra Public Universities Act, 2016 do hereby direct as under :-

1. This Direction may be called "Examinations leading to the Post Graduate Diploma in Soil Testing[One Year Two Semesters Programme] in the Faculty of Science & Technology", Direction, 2024**.**

2. This Direction shall come into force with effect from the date of its issuance to be implemented from the Academic Session 2023-2024 onwards.

3. The Duration of each semester of the new Course Post Graduate Diploma in Soil Testingshall be of six months.

4. Following shall be the Examinations leading to the Post Graduate Diploma in Soil Testingnamely:

(i) Post Graduate Diploma in Soil TestingSemester I and
(ii) Post Graduate Diploma in Soil TestingSemester II.

5. (i) The examination specified in paragraph 4 above shall be held twice in a year and at such places and on such dates as may be appointed by the University.
(ii) Main Examination of Semester I shall be held in Winter and Supplementary Examination shall be held in Summer.
(iii) Main Examination of Semester II shall be held in Summer and Supplementary Examination shall be held in Winter.

6. **Eligibility Criteria for Admission**:
Graduate of Faculty of Science with subject Chemical Science/Life Science/Geology or graduate from Agricultur or any other equivalent degree.

7. For purposes of instruction and examinations the students shall study sequentially.

8. The Examinations shall be held at such places and on such dates as may be notified by the University.

9. Subject to his/her compliance with the provisions of this Direction and of other Ordinances (Pertaining to Examinations in General) in force from time to time, the student for admission, at the end of the course of study of a particular term shall be eligible to appear at it, if,

i) the student satisfied the condition in the table and the provision there under.

TABLE – I

Sr. No	Name of Examination	The student should have completed the Session / term satisfactorily
1	**2**	**3**
1	Post Graduate Diploma in Soil Testing	Semester I
2	Post Graduate Diploma in Soil Testing	Semester II

(**Note**: Subjects prescribed and numbered in the Scheme of Examination 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 student has compiled with the provisions of Ordinance pertaining to Examination in general.

iii) the student has prosecuted a regular course of study in the University Department /College affiliated to the University.

iv) the student has in the opinion of the Head of the Department/Principal shown satisfactory progress in his / her studies.

10. Papers and the practicals in which an examinee is to be examined, maximum marks for these and the minimum pass marks which an examinee must obtain in order to pass in the subject and the examination are detailed in the Examination Scheme.

11. Examination fees for each part of the examination and also the Practical examination shall be as prescribed by the University from time to time.

12. The Scheme of Teaching, Learning, Examination & Evaluation shall be as per "**Appendix-A-1 & A-2**" appended with this Direction.

13. i) The scope of the subject is as indicated in the syllabus.

ii) The medium of instruction and examination shall be English.

14. The fees for each part of the Examinations (Theory & Practical) shall be as prescribed by University from from time to time.

15. The computation of Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA of an examinee shall be as given below :-

The marks will be given in all examinations which will include college assessment marks and the total marks for each Theory / Practical shall be converted into Grades as per **Table II**.

SGPA shall be calculated based on Grade Points corresponding to Grade as given in Table II and the Credits allotted to respective Theory / Practical shown in the scheme for respective Semester.

SGPA shall be computed for Semester I & II and CGPA shall be computed in Semester II based on SGPA of Semester I & II of P.G. Diploma in Soil Testing Course. :-

SGPA = C1 x G1 + C2 x G2 + ... + Cn x Gn C1 + C2 + ... + Cn

Where C1 = Credit of individual Theory / Practical

G1 = Corresponding Grade Point obtained in the respective Theory / Practical

CGPA = (SGPA) I X (Cr) I + (SGPA) II X (Cr) II
(Cr) I X (Cr) II

Where (SGPA) I = SGPA of I Semester
(Cr) I = Total Credits for I Semester
(SGPA) II = SGPA of II Semester
(Cr) I = Total Credits for II Semester

CGPA equal to 6.00 and above shall be considered as equivalent to First Class which shall be mentioned on Grade Card of II Semester as a foot note.

TABLE II

THEORY

Grade	Percentage of Marks	Grade Points
AA	80 ≤ Marks ≤ 100	10
AB	70 ≤ Marks < 80	9
BB	60 ≤ Marks < 70	8
BC	55 ≤ Marks < 60	7
CC	50 ≤ Marks < 55	6
CD	45 ≤ Marks < 50	5
DD	40 ≤ Marks < 45	4
FF	00 ≤ Marks < 40	0
ZZ	Absent in Examination	---

PRACTICAL

Grade	Percentage of Marks	Grade Points
AA	85 ≤ Marks ≤ 100	10
AB	80 ≤ Marks < 85	9
BB	70 ≤ Marks < 80	8
BC	70 ≤ Marks < 75	7
CC	65 ≤ Marks < 70	6
CD	60 ≤ Marks < 65	5
DD	50 ≤ Marks < 60	4
FF	00 ≤ Marks < 50	0
ZZ	Absent in Examination	---

16. Provisions of Ordinance No.18 of 2001 in respect of 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 Direction No.15 of 2017 and Ordinance No. 18 of 2001 shall apply to each examination under this Direction.

17. An examinee who does not pass or who fails to present himself/ herself for the examination shall be eligible for readmission to the same examination, on payment of fresh fees and such other fees as may be prescribed.

18. As soon as possible after the examination, the Board of Examinations shall publish a result of the examinees. The result of the Examination of final Semester of the Course P.G. Diploma in Soil Testingshall be classified as above and merit list shall be notified as per Ordinance No.6.

19. Notwithstanding anything to the contrary in this Direction, no person shall be admitted to an examination under this Direction, if he/she has already passed the same examination or an equivalent examination of any Statutory University.

20. The examinees who have passed in all the subjects prescribed for Semester I and Semester II of the examination of the Diploma Course shall be eligible for award of P.G. Diploma in Soil Testing(One Year Two Semesters Course).

Sd/-
(Dr. Milind Barhate)
Vice-Chancellor
Sant Gadge Baba Amravati University

Date : 28/11/2024

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Sant Gadge Baba Amravati University, Amravati
FACULTY : Science and Technology
SchemeofTeaching,Learning,Examination&EvaluationleadingtoOneYearPGDiploma in Soil Testing wef2024-25
(OneYear-TwoSemestersPGDiploma in Soil Testing -NEPv23
PG Diploma in Soil Testing First Year **Semester- I** Level 6.0

S.N.	Subject	Type of Course	Subject Code	Teaching & Learning Scheme							Duration Of Exam Hours	Examination & Evaluation Scheme							
												Maximum Marks					Minimum Passing		
				Teaching Period Per Week				Credits				Theory		Practical		Total Marks			
				L	T	P	Total	L/T	Practical	Total		Theory Internal	Theory +MCQ External	Internal	External		Marks Internal	Marks External	Grade
0	*Pre-Requisite Course(s) ifapplicable/MOOC/Internship/FieldWorkcumulatively(**Introduction to Soil Science**)**FSC**	Th-Prq Introduction to Soil Science	**1PGDST 00**	**0**	**0**	**0**	**0**				**2**	**15**	**35**			**50**	**06**	**14**	**P**
1	DSC-I.1(**Soil Science-1**)	Th-Major	**1PGDST 01**	**4**			**4**	**4**		**4**	**3**	**40**	**60**			**100**	**16**	**24**	**P**
2	DSC-II.1 (**Soil Testing Technique**)	Th-Major	**1PGDST 02**	**4**			**4**	**4**		**4**	**3**	**40**	**60**			**100**	**16**	**24**	**P**
3	DSC-III.1 (**General Laboratory Analysis**)	Th-Major	**1PGDST 03**	**4**			**4**	**4**		**4**	**3**	**40**	**60**			**100**	**16**	**24**	**P**
																	Minimum Passing Marks		**Grade**
4	**DSE-I.**1Lab-I(**Based on DSC-II.1 Soil Analysis Lab-I**)	Pr-Major	**1PGDST 04**			**4**	**4**		**2**	**2**	**3**			**50**	**50**	**100**	**50**		**P**
5	**DSE-II.**1Skill-I(**Project/ Seminar-1**)	Pr-Major	**1PGDST 05**			**8**	**8**		**2**	**4**	**3**			**50**	**50**	**100**	**50**		**P**
6	**DSE-III.**1Skill-II (**Visit to Soil Testing Lab** *)	Related	**1PGDST 06**			**4**	**4**			**2**				**50**		**50**	**25**		**P**
	TOTAL			**12**	**0**	**16**	**28**			**20**						**600**			

L: Lecture, T: Tutorial, P: Practical/Practicum

Pre-requisite Course mandatory if applicable: **Prq**, Theory :**Th**, Practical/Practicum: **Pr**, Faculty Specific Core: **FSC**, Discipline Specific Core: **DSC**, Discipline Specific Elective: **DSE**, Laboratory: **Lab**, **OJT:** On Job Training: Internship/ Apprenticeship; Field projects: **FP**;
Note : # On Job Training, Internship/ Apprenticeship; Field projects **Related to Major (During vacations of Semester I) for 120 hours mandatory to all the students, to be completed during vacations of Semester I and/or II. This will carry 2 Credits for learning of 60 hours. Its credits and grades will be reflected in the Semester II credit grade report.**

Sant Gadge Baba Amravati University, Amravati
FACULTY : Science and Technology
SchemeofTeaching,Learning,Examination&EvaluationleadingtoOneYearPGD i p l o m a i n S o i l T e s t i n g wef2024-25
(OneYear-TwoSemestersPGD i p l o m a i n S o i l T e s t i n g -NEPv23

PG Diploma in Soil TestingFirst Year Semester- II Level 6.0

S. N.	Subject	Type of Course	Subject Code	Teaching & Learning Scheme							Duration Of Exam Hours	Examination & Evaluation Scheme							
				Teaching Period Per Week				Credits				Maximum Marks					Minimum Passing		
												Theory		Practical		Total Marks			
				L	T	P	Total	L/T	Practical	Total		Theory Internal	Theory +MCQ External	Internal	External		Marks Internal	Marks External	Grade
1	DSC-I.2(Soil Science-I1)	Th-Major	2PGDST 01	4			4	4		4	3	40	60			100	16	24	P
2	DSC-II.2 (Methods of Chemical Analysis)	Th-Major	2PGDST02	4			4	4		4	3	40	60			100	16	24	P
3	DSC-III.2(Spectroscopic and Other Instrumental Techniques)	Th-Major	2PGDST03	4			4	4		4	3	40	60			100	16	24	P
																	Minimum Passing Marks		Grade
4	DSE-I.2 Lab-II(Based onDSC-II.2 Soil Analysis Lab-II)	Pr-Major	2PGDST 04			4	4		2	2	3			50	50	100	50		P
5	DSE-II.2Skill-III(Project/ Seminar-II)	Pr-Major	2PGDST 05			8	8		2	4	3			50	50	100	50		P
6	DSE-III.2 Skill-IV (OJT: On-Job Training: Internship/ Apprenticeship*)	Related	2PGDST 06			4	4			2				100		100	50		P
	TOTAL			12	0	16	28			20						600			

L: Lecture, T: Tutorial, P: Practical/Practicum

Pre-requisite Course mandatory if applicable: **Prq**, Theory :**Th**, Practical/Practicum: **Pr**, Faculty Specific Core: **FSC**, Discipline Specific Core: **DSC**, Discipline Specific Elective: **DSE**, Laboratory: **Lab**, **OJT:** On Job Training: Internship/ Apprenticeship; Field projects: **FP**;

Note : # On Job Training, Internship/ Apprenticeship; Field projects **Related to Major (During vacations of Semester II) for 120 hours mandatory to all the students, to be completed during vacations of Semester I and/or II. This will carry 2 Credits for learning of 60 hours. Its credits and grades will be reflected in the Semester II credit grade report.**