

M.Sc.
Sem-I to IV(Chemistry)

Prospectus No. 2015125

संत गाडगे बाबा अमरावती विद्यापीठ

SANT GADGE BABA AMRAVATI UNIVERSITY

विज्ञान विद्याशाखा
(FACULTY OF SCIENCE)

अभ्यासक्रमिका
विज्ञान पारंगत परिक्षा (रसायनशास्त्र)
सत्र-१ ते सत्र -४

PROSPECTUS
OF
MASTER OF SCIENCE EXAMINATION
IN
CHEMISTRY
Semester -I & III, Winter 2014,
Semester -II & IV, Summer 2015,



2014

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Price Rs. /-

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M.Sc.-compsci-2012

M.Sc. Computer Science

Prospectus No. 20131216

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SANTGADGEBABAAMRAVATI UNIVERSITY

विज्ञान विद्याशाखा
(FACULTY OF SCIENCE)

अभ्यासक्रमिका

विज्ञान पारंगत सत्र-१ व २ परिक्षा २०१२-१३

विज्ञान पारंगत सत्र ३ व ४ परिक्षा २०१३-१४

(संगणकशास्त्र)

PROSPECTUS

OF

MASTER OF SCIENCE IN
COMPUTER SCIENCE

Semester -I, Winter 2012

Semester -II, Summer-2013

Semester -III, Winter 2013

Semester-IV, Summer-2014



2012

(Visit us at www.sgbau.ac.in)

Price Rs./-

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Books:

1. Gonzalez, R. C. and Woods, R. E. : Digital Image Processing, 2nd/3rd ed., Prentice Hall
2. Sonka, M., Hlavac, V., Boyle, R. : Image Processing, Analysis and Machine Vision (2nd edition), PWS Publishing, or (3rd edition) Thompson Engineering
3. Anil K. Jain : Fundamentals of digital image processing (2nd Edition), Prentice-Hall, NJ
4. Willian K. Pratt : Digital Image Processing (3rd Edition), John Wiley & Sons

4MCS4(3) : Software Testing

- Unit-I : Testing:** Introduction and Outline - Introduction to testing and test outline, sample application, incremental testing approach, outline approach steps, evaluation and schedule estimation.
- Unit-II :** Introduction to test outline to test cases, creating test cases, documentation short cuts, introduction to using tables and spreadsheets, sample application, Documenting test cases.
- Unit-III :** Other types of tablets, State machines, test case table with multiple inputs, decision tables, applications with complex data, managing tests, testing object-oriented software, comparison, System testing example, Unit testing of Classes.
- Unit-IV : Testing Web Applications:** Introduction, sample application, functional and usability issues, configuration and compatibility testing, reliability and availability, security testing, database testing, post implementation testing.
- Unit-V : Reducing the No. of test cases:** Introduction, prioritization guidelines, priority category scheme, Risk analysis, interviewing to identify problem areas, combination schemes, tracking selected test cases.
- Unit-VI : Creating Quality Software:** Introduction, development environmental infrastructure, software testing environment, software testing tools, applying software standards to test documentation.

Books:

1. Introducing Software Testing: Louise Tamres (PE)
2. Software Testing in the Real World by Kit – Pearson

4MCS5: Lab VII - - Based on 4MCS1 and 4MCS2**“Distribution of marks for Computer Lab-VII”**

- A) Each student shall perform two practicals.
- B) Question slip for each examinee shall be attached to the answer book.
- C) Marks should be given on the basis of following criteria:
- | | |
|--|------------|
| D) Practical-I | : 30 marks |
| II) Practical-II | : 30 marks |
| III) Viva-Voce (Each practical 15 marks) | : 30 marks |
| IV) Record | : 10 marks |

Total	: 100 marks
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4MCS6 : Project

The subject of the project will be given to the student independently on any current topic belonging to the subject. The topic should be assigned at the beginning of the semester. The examinee shall be required to produce two typed hard-bound and one soft copy (C.D.) copies of project report signed by teacher in-charge and certified by head of the department as bonafide work of him/her.

Distribution of Marks:

- | | | | |
|----|----------------------|---|----------|
| 1. | Project Submission | : | 40 marks |
| 2. | Project Presentation | : | 40 marks |
| 3. | Viva | : | 20 marks |

Total	:	100 marks
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