M.A./M.Sc. Mathematics Degree Examination in September 2013

1. SDE CODE NUMBER of the Candidate (Identity Card Code No.)

2. Centre Code Name of the Examination Centre

3. Full Name (including Surname)
   (i) In English
   (ii) In Mother Tongue

4. Age and Date of Birth (In Christian Era)

5. Present Address with PIN Code, phone number and Mobile number, if available. (Compulsory)

6. Optional Subject selected
   (ü)

7. Examination for which the candidate is appearing: Previous/Final Subject(s) (Mark for the Whole Examination or Subject(s) appearing now)

8. * Particulars of Previous Pass/ appearance, if any
   (i) All the candidates should furnish the Regd. Nos. with which they have appeared/Passed in Previous/Final Examinations with all xerox copies of Marks Memos.
   (ii) Candidates appearing under improvement of class should furnish the Regd. Nos. of the papers in any particular appearance(s) and also enclose xerox copy of the Provisional Certificate.

9. Fees Particulars
   Amount: Rs
   in words: Demand Draft No.:
   Date of Payment:

10. Signature of Candidate
INSTRUCTIONS TO THE CANDIDATES

Candidates for the University Examinations are required to observe the following Instructions carefully:

1. Applications for admission of Examination must be forwarded so as to reach the Director, School of Distance Education not later than the notified date immediately preceding the examinations and must be accompanied by a receipt for the fee paid.

2. The fee prescribed for the examination including fee prescribed for marks and stationery are as follows:

<table>
<thead>
<tr>
<th>Type</th>
<th>Fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Previous</td>
<td>Rs. 650/- For one subject Rs. 350/-</td>
</tr>
<tr>
<td>Final</td>
<td>Rs. 650/- For two subjects or more per year Rs. 650/-</td>
</tr>
</tbody>
</table>

   Including the cost of Provisional Certificate Fee
   Betterment Fee Rs. 1000/- for each year

3. Improvement Provision for all the PG Courses is allowed within a period of three years from the year of passing the respective PG degree examination. Hence the candidates, who passed PG in 2010 or later are eligible to take whole examination either Previous or Final under this provision.

4. Paper-wise Improvement is also allowed only for one chance, i.e. immediately after passing the respective PG Degree examination. Hence the candidates, who passed PG in 2012 regular and supplementary candidates are eligible to avail Paper-wise provision.

5. An amount of Rs. 1,000/- is to be paid towards Improvement fee per year besides the usual examination fee.

6. Name of the Examination Centres.

<table>
<thead>
<tr>
<th>Centre Code</th>
<th>Name of the College</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>Govt. College for Men, Srikakulam</td>
</tr>
<tr>
<td>05</td>
<td>School of Distance Education, A.U. VSP</td>
</tr>
<tr>
<td>06</td>
<td>T.S.R. &amp; T.B.K. College, Gajuwaka</td>
</tr>
<tr>
<td>07</td>
<td>Govt. Arts College, Rajahmundry</td>
</tr>
<tr>
<td>09</td>
<td>M.S.N. P.G. Centre, Kakinada</td>
</tr>
<tr>
<td>15</td>
<td>Satavahana College, Vijayawada</td>
</tr>
<tr>
<td>20</td>
<td>R.G. Kedia College, Hyderabad</td>
</tr>
</tbody>
</table>

(By Order)

DIRECTOR
SCHOOL OF DISTANCE EDUCATION
ANDHRA UNIVERSITY

M.A./M.Sc. Mathematics Degree Examination in September 2013

HALL TICKET

This is to certify that ...................................................................................................................................... Son/daughter of ........................................................................................................................ is a candidate for the M.A./M.Sc. Mathematics Degree Examination to be held at ....................................................................................... Centre. He / She desires to appear for the following subjects:

Name of the Subjects Appearing

<table>
<thead>
<tr>
<th>Papers</th>
<th>Name of the Subjects Appearing</th>
</tr>
</thead>
<tbody>
<tr>
<td>PREVIOUS</td>
<td>FINAL</td>
</tr>
<tr>
<td>1. Algebra</td>
<td>I. Measure Theory and Functional Analysis (    )</td>
</tr>
<tr>
<td>2. LADE</td>
<td>II. Complex Analysis (    )</td>
</tr>
<tr>
<td>3. Real Analysis</td>
<td>OPTIONAL PAPERS</td>
</tr>
<tr>
<td>4. Topology</td>
<td>1. Number Theory (    )</td>
</tr>
<tr>
<td>5. Discrete Mathematics</td>
<td>2. Lattice Theory (    )</td>
</tr>
</tbody>
</table>

Visakhapatnam

Date :

DIRECTOR
School of Distance Education

Note:
1. The candidate should fill in the above columns except Register Number
2. The candidate should strike off the paper or papers for which he/she is not appearing at the Examination.
3. The candidates should necessarily fill-in the optional subject in his/her application which is chosen by him/her at the time of admission.

CERTIFICATE OF IDENTITY

This is to certify that ...................................................................................................................................... is Son/Daughter of ........................................................................................................................ and his/her signature is taken in my presence and he/she bears the following identification Marks:

1. ............................................................................................................................
2. ............................................................................................................................

Latest Passport size (Bust) Photo of the Candidate should be affixed here

Station :

Date :

Signature of the Attesting Officer ..............................................................

Signature of the Candidate ........................................................................

Director
School of Distance Education

Note:
1. The Photos should be affixed and attested by the Attesting Officer both in the Application Form and Certificate of Identity in both original and duplicate.
2. The attesting Officer's signature should be right across the photos extending over the blank space also.
Candidates for the University Examinations are required to observe the following instructions carefully.

1. Silence should be maintained in the Examination Hall.

2. Candidates should take their places in the Examination Hall at least five minutes before the time fixed for distributing the papers. Candidates presenting themselves more than half an hour after the appointed time will not be admitted to the Examination Hall. Candidates who are undoubtedly suffering from infectious diseases of any kind will not be admitted. Candidates should bring with them their Hall-tickets to the Examination Hall each day of the examination for inspection by the Chief Superintendent.

3. Candidates are prohibited from writing upon their Hall-tickets or question papers. Candidates are also prohibited from writing their names or any other name unconnected with the answers on any part of their answer books, but their register's number should be written very distinctly on the title pages of the main answer book. Failure to write their register numbers may involve the rejection of answer papers. They should fill in the subject and the year on the outer cover of the main answer book. Register number should not be noted on the additional answer books.

4. Candidates are not allowed to exceed the time assigned to a paper.

5. No Candidate will be allowed to leave the Examination Hall till the expiry of at least an hour and a half after a question paper has been given out, and no candidate who leaves the Hall during the period is allowed to return within that period.

6. Candidates are forbidden to ask questions of any kind during the examination. They are further forbidden to communicate with the examiners; should they do so, their answer papers will not be valued and their conduct will be reported to the Executive Council for disciplinary action.

7. Candidates are not allowed the use of books of all kinds (except as provided in rule 8). They are also prohibited from introducing into the Examination Hall any book or portion of a book, slate, blotting pad, cardboard, manuscript, typescript or paper of any description and for making use of any of these, whether introduced into the Hall by themselves or any one else from communicating with or copying from each other and from communicating with any person outside the Examination Hall. Any candidate detected in violation of these rules will be summarily sent out of the Hall forthwith and his conduct will be reported to Director. Such a candidate stands the risk of having all answer papers for the examination for which he/she has appeared rejected by the Executive Council and of being debarred from sitting for the University Examination for such period as the Executive Council may decide. The use of stencils at the University examination is not permitted except to students answering paper in mathematics. The use of mathematical instruments, whilst answering papers in mathematics, will be allowed. Such instruments will not be supplied by the University.

8. Clerk’s mathematical and physical tables will be supplied to candidates in Mathematics. Candidates should not bring in to the Examination Hall their own copies.

9. Candidates are required to provide themselves with their own pens. Candidates may bring into the Examination Hall their own ink-bottles. They must however, use only black ink while answering their question papers.

10. Particular attention is required to the Instructions regarding rough working and loose sheet paper, printed on the answer books. Answer should be written on the reverse of the answer book. All rough work must be done on the right-hand side of the problem itself leaving a margin for that purpose with the heading ‘rough work’ underlined. The number of each question as given in the question paper should be noted both on the margin and in the center of the page of the answer book just above the respective answer. No separate books for rough working will be supplied to candidates. Papers should not be detached from the answer books of candidates. If the ordinary answer books are found insufficient, additional books will be supplied and these should be securely fastened to the main answer books by thread which can be had from the Superintendent.

11. When candidates have finished writing their answers and wish to give up their Answer books, or at the end of the period prescribed for each particular part of examination, each should stand up in his place and remain standing until one of the Superintendents has gone up to him and has received his answer books from him.

12. Candidates sitting for the examination at the different centers should, apply to the Chief Superintendent of the respective centre for their Hall-tickets three days before the commencement of the respective examinations. Any particulars noted in the Hall-tickets differing from those given in the application for the examination, should be immediately reported to the Chief Superintendent by the concerned candidate. (It will not be permissible for candidates to sit for the examination at a centre other than that at which names are registered, without the special permission of the Director. No permission for change of centre will be granted after application are registered.)

13. Candidates appearing at the centres where they are not known must be prepared to satisfy the Chief Superintendent of such centres as to their identity. They shall also be required to sign on the Identification certificates produced by them before the Chief Superintendent of the respective centres. The identification certificates may be obtained either from the principal of an affiliated college of the university or from an Officer Government not lower in rank than a Sub-Magistrate in Andhra Pradesh.

14. The School reserves the right to assign the candidates appearing for the University Examination to any Centre in case they do not specify the centres of their choice in the application form.

15. Candidates must obtain their original copy of the Hall-Tickets from the Chief Superintendent of the respective centres, three days before the commencement of the Examination.

(BY ORDER)

DIRECTOR
SCHOOL OF DISTANCE EDUCATION  
ANDHRA UNIVERSITY  
M.A./M.Sc. Mathematics Degree Examination in September 2013

HALL TICKET

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</tr>
<tr>
<td></td>
<td>3. Commutative Algebra ( )</td>
</tr>
<tr>
<td></td>
<td>4. Integral Equations ( )</td>
</tr>
<tr>
<td></td>
<td>5. Linear Programming and Game Theory ( )</td>
</tr>
<tr>
<td></td>
<td>6. Numerical Analysis and Computer Techniques ( )</td>
</tr>
<tr>
<td></td>
<td>7. Universal Algebra ( )</td>
</tr>
</tbody>
</table>

Visakhapatnam
Date :

DIRECTOR
School of Distance Education

Note : 1. The candidate should fill in the above columns except Register Number
2. The candidate should strike off the paper or papers for which he/she is not appearing at the Examination.
3. The candidate should necessarily fill-in the optional subject in his/her application which is chosen by him/her at the time of admission.

CERTIFICATE OF IDENTITY

This is to certify that ...................................................................................................................................... is Son/Daughter of ...........................................................................................................................and his/her signature is taken in my presence and he/she bears the following identification Marks:

1. .................................................................................................................................

2. .................................................................................................................................

Station :
Date :

Signature of the Attesting Officer .........
not below the rank of a Gazetted Officer

Signature of the Candidate ..................

Note : 1. The Photos should be affixed and attested by the attesting Officer both in the application form and Certificate of Identity in both original and duplicate.
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14. The School reserves the right to assign the candidates appearing for the University Examination to any Centre in case they do not specify the centres of their choice in the application form.

15. Candidates must obtain their original copy of the Hall-Tickets from the Chief Superintendent of the respective centres, three days before the commencement of the Examination.

(By Order)

Director
Dear Student:

Please find enclosed herewith Examination Application Form of M.A./M.Sc., Mathematics Degree Examination of the School of Distance Education to be held in September-2013. The last date for payment of examination fee, the amount to be paid etc., are given below:

Examination Fee Particulars:

<table>
<thead>
<tr>
<th>Examination</th>
<th>Last date for Payment of Fee &amp; Submitting application</th>
<th>Fee Rs.</th>
<th>Date of Commencement of Examinations</th>
</tr>
</thead>
<tbody>
<tr>
<td>M.A./M.Sc., Maths (Previous)</td>
<td>26-08-2013</td>
<td>650/-</td>
<td>19-9-2013</td>
</tr>
<tr>
<td>M.A. / M.Sc. Maths (Final)</td>
<td>26-08-2013</td>
<td>650/-</td>
<td>25-9-2013</td>
</tr>
</tbody>
</table>

However, applications will be accepted with a penal fee of Rs. 300/- from 27-09-2013 to 2-9-2013 and with a penal fee of Rs. 500/- from 03-09-2013 to 10-9-2013.

Applications received after the due date even with a maximum penal fee i.e. 10-09-2013 will not be accepted. Incomplete and defective applications will be summarily rejected.
NOTE:

1. The candidates are informed that the defaulters of tuition fee to the School will not be permitted to take the examination and those who have not already paid, should pay the necessary tuition fee by Demand Draft in favour of the Registrar, Andhra University, Visakhapatnam without any further delay.

2. The candidates appearing for the first time have to pay the fee prescribed for the whole examination irrespective of their appearance for one or more subjects of the examination. The fee once paid will not be refunded under any circumstances or accepted for a subsequent examination.

3. All the students who are on the rolls of the School of Distance Education at present are required to take this examination.

4. All the students of previous batches of School of Distance Education who have yet to pass in certain subjects are also required to take this examination. Such of those candidates can have the examination application forms either from the Office of the School of Distance Education or can download from our website andhrauniversityedu.in/sde

5. The examination fee includes cost of provisional certificate. Hence, the final year students need not apply separately for provisional certificate, but they have to clear their dues to the SDE, if any before the requisition for provisional certificate.

6. The candidates who appeared for any exams (I & II) year previously have to enclose Xerox copies and Marks statements compulsory.

7. Revaluation: Candidate intended to apply for revaluation in particular paper or whole subjects, should apply within one month from the date of result prescribed on the marks list on payment of Rs. 500/- per each paper.

8. Candidates will be Supplied 32 pages of Answer Sheets booklet in the examination hall. They will not be Supplied any other examination additional Answer Sheets. 32 pages of Answer Sheets booklet in the examination hall. They will not be Supplied any other examination additional Answer Sheets.

9. The candidates admitted in the year 2011-12 and onwards have to submit the assignments to the Director, School of Distance Education on or before 26-08-2013 for the maximum marks as for the regulation.

PAYMENT OF EXAMINATION FEE:

The Candidates have to obtain Demand Draft towards Examination fee from any Nationalised Bank draw in favour of the Registrar, Andhra University, Visakhapatnam, payable at VSP. The name of the candidate, code number and the purpose of the remittance should be clearly mentioned on the Exam application along with the D.D. The name of the candidate and complete code number are also to be noted on the reverse side of the Demand Draft. S.B.I-Challans. MO’s and Postal Orders will not be accepted.

SUBMISSION OF THE EXAMINATION APPLICATION FORMS:

The candidate has to send the duly filled in Application Form with the Demand Draft to the Director, School of Distance Education, Andhra University, Visakhapatnam - 530 003 on or before the last date as specified above. The candidate has to carefully go through the instructions given in the Application Form before filling. The candidate should note that the Application Form contains the Hall Ticket in duplicate also. The signature of the candidate is necessary both on the Hall Ticket and Examination application Form. Incomplete applications are liable to be rejected. In case the application is returned to the candidate due to any objection, the candidate has to resubmit the same along with the penal fee of Rs. 50/- besides the fee prescribed directly to the Director, School of Distance Education, Andhra University, Visakhapatnam, after complying with the objection raised.
Particulars of Previous Pass / Appearance:

If the candidate has already appeared/passed in any part / subject (s) should enclose xerox copies of their Marks Memo and the year of passing, the Register Number and the examination centre are to be invariably noted in the relevant columns. The application will be rejected, if these particulars are not clearly noted. However, this will not apply to the candidates who are appearing for the first time.

i) Improvement

ii) I.D.

iii) Provisional Certificate

iv)

v)

1. Improvement Provision for all the PG Courses is allowed within a period of three years from the year of passing the respective PG degree examination. Hence the candidates, who passed PG in 2010 or later are eligible to take whole examination either Previous or Final under this provision.

2. Paper-wise Improvement is also allowed only for one chance, i.e. immediately after passing the respective PG Degree examination. Hence the candidates, who passed PG in 2012 are only eligible to avail Paper-wise provision.

3. An amount of Rs. 1,000/- is to be paid towards Improvement fee per year besides the usual examination fee.

HALLTICKET

The candidate has to collect the Original Hall Ticket from the Chief Superintendent of the Examination Centre which he/she has chosen, three days before commencement of the respective examination. No further intimation will be sent to the candidates in this regard.

Prof. N.L. Narasimha Rao
Director

Encl: 1. Examination Application Form

2. Time Table Copy

Note:

1. The candidates have to enclose two un-stamped self addressed envelopes (9" x 4" size).

2. The candidates have to note their batch and code number completely on the top of the examination application form without fail, otherwise the application will be rejected.

3. The candidates have to enclose Xerox copy I.D. Card.
### Previous

<table>
<thead>
<tr>
<th>Date</th>
<th>Day</th>
<th>Title of the Paper</th>
</tr>
</thead>
<tbody>
<tr>
<td>19-09-2013</td>
<td>Thursday</td>
<td>Paper - I Algebra</td>
</tr>
<tr>
<td>20-09-2013</td>
<td>Friday</td>
<td>Paper - II Linear Algebra and Differential Equations (LADE)</td>
</tr>
<tr>
<td>21-09-2013</td>
<td>Saturday</td>
<td>Paper - III Real Analysis</td>
</tr>
<tr>
<td>23-09-2013</td>
<td>Monday</td>
<td>Paper - IV Topology</td>
</tr>
<tr>
<td>24-09-2013</td>
<td>Tuesday</td>
<td>Paper - V Discrete Mathematics</td>
</tr>
</tbody>
</table>

### Final

<table>
<thead>
<tr>
<th>Date</th>
<th>Day</th>
<th>Title of the Paper</th>
</tr>
</thead>
<tbody>
<tr>
<td>25-09-2013</td>
<td>Wednesday</td>
<td>Paper - I Measure Theory and Functional Analysis</td>
</tr>
<tr>
<td>26-09-2013</td>
<td>Thursday</td>
<td>Paper - II Complex Analysis</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Paper III, IV, V) Optional</td>
</tr>
<tr>
<td>27-09-2013</td>
<td>Friday</td>
<td>Paper - I Number Theory</td>
</tr>
<tr>
<td>28-09-2013</td>
<td>Saturday</td>
<td>Paper - II Lattice Theory</td>
</tr>
<tr>
<td>30-09-2013</td>
<td>Monday</td>
<td>Paper - III Commutative Algebra</td>
</tr>
<tr>
<td>01-10-2013</td>
<td>Tuesday</td>
<td>Paper - IV Integral Equations</td>
</tr>
<tr>
<td>03-10-2013</td>
<td>Thursday</td>
<td>Paper - V Linear Programming and Game Theory</td>
</tr>
<tr>
<td>04-10-2013</td>
<td>Friday</td>
<td>Paper - VI Numerical Analysis and Computer Techniques</td>
</tr>
<tr>
<td>05-10-2013</td>
<td>Saturday</td>
<td>Paper - VII Universal Algebra</td>
</tr>
</tbody>
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