

# **Student Handbook & Prospectus**

**Master of Science (M.Sc.)  
in  
Actuarial Science  
(On Campus Full Time)  
July 2011**



**School of Vocational Education and Training  
Indira Gandhi National Open University  
Maidan Garhi, New Delhi 110 068**

*“Education is a liberating force, and in our age it is also a democratizing force, cutting across the barriers of caste and class, smoothing out inequalities imposed by birth and other circumstances.”*

— *Indira Gandhi*



**INDIRA GANDHI NATIONAL OPEN UNIVERSITY  
MAIDAN GARHI, NEW DELHI – 110068**

**Application Form  
for  
Master of Science (M.Sc.)  
in  
Actuarial Science  
(On Campus Full Time)  
July 2011**

Last date to submit filled in application form: **30<sup>th</sup> June, 2011**

Rs. 550/- by registered post or  
downloaded applications

**Entrance test will be held on 19<sup>th</sup> July, 2011 at 10.00 A.M, at IGNOU, New Class Room  
Block-1, Maidan Garhi New Delhi.**

Electronic version of the prospectus is available  
for download at:  
**<http://www.ignou.ac.in>**

## **RECOGNITION**

IGNOU is a CENTRAL UNIVERSITY established by an Act of Parliament in 1985 (Act No. 50 of 1985). IGNOU Degrees/Diplomas/Certificates are recognized by all the member institutions of the Association of Indian Universities (AIU) and are at par with Degrees/Diplomas/Certificates of all Indian Universities/Deemed Universities/Institutions.

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Print Production :

May, 2011 : © Indira Gandhi National Open University, 2011

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*Further information on the Indira Gandhi National Open University Programmes may be obtained from the University's office at Maidan Garhi, New Delhi-110068 or its website <http://www.ignou.ac.in>*

Printed and published on behalf of Indira Gandhi National Open University, New Delhi by Registrar, Material Production & Distribution Division.

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# **1. ABOUT THE UNIVERSITY**

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## **1.1 Introduction**

The Indira Gandhi National Open University was established by an Act of Parliament in 1985 to achieve the following objectives:

- Democratizing higher education by taking it to the doorsteps of the learners
- Providing access to high quality education to all those who seek it irrespective of age, region, religion and gender
- Offering need-based academic programmes by giving professional and vocational orientation to the courses
- Promoting and developing distance education in India
- Setting and maintaining standards in distance education in the country as an apex body.

## **1.2 Prominent Features**

IGNOU has certain unique features such as:

- International jurisdiction
- Flexible admission rules
- Individualised study: flexibility in terms of place, pace and duration of study
- Use of latest information and communication technologies
- Nationwide student support services network
- Cost-effective programmes
- Modular approach to programmes
- Resource sharing, collaboration and networking with conventional universities, open universities and other institutions/organisations
- Socially and academically relevant programmes based on students need analysis
- Convergence of open and conventional education systems

## **1.3 Important Achievements**

- Emergence of IGNOU as the largest Open University in the World.
- Recognition as Centre of Excellence in Distance Education by the Commonwealth of Learning (1993).
- Taking IGNOU programmes to African and West Asian countries including Maldives, Mauritius, Nepal and Seychelles in all to 35 countries.
- Award of Excellence for Distance Education Materials by Commonwealth of Learning (1999).
- Launch of a series of 24 hour Educational Channels 'Gyan Darshan'. IGNOU is the nodal agency for these channels and regular transmissions are done from the studio at EMPC, IGNOU.
- Launch of 'Edusat' videoconferencing channel (2 way video, 2 way audio)
- Launch of Gyan Vani and other dedicated educational FM channels.

#### **1.4 The Schools of Studies**

With a view to develop interdisciplinary studies, the University operates through its Schools of Studies. Each School is headed by a Director who arranges to plan, supervise, develop and organize its academic programmes and courses in coordination with the School staff and different academic, administrative and service wings of the University. The emphasis is on providing a wide choice of courses at different levels. The following Schools of Studies currently are in operation:

- School of Humanities (SOH)
- School of Social Sciences (SOSS)
- School of Sciences (SOS)
- School of Education (SOE)
- School of Continuing Education (SOCE)
- School of Engineering & Technology (SOET)
- School of Management Studies (SOMS)
- School of Health Sciences (SOHS)
- School of Computer & Information Sciences (SOCIS)
- School of Agriculture (SOA)
- School of Law (SOL)
- School of Journalism and New Media Studies (SOJNMS)
- School of Gender and Development Studies (SOGDS)
- School of Tourism Hospitality Service Sectoral Management (SOTHSSM)
- School of Interdisciplinary and Trans-disciplinary Studies (SOITS)
- School of Social Work (SOSW)
- School of Vocational Education and Training (SOVET)
- School of Extension and Development Studies (SOEDS)
- School of Foreign Languages (SOFL)
- School of Translation Studies and Training (SOTST)
- School of Performing & Visual Arts (SOPVA)

#### **1.5 Academic Programmes**

The University offers both short-term and long-term programmes leading to Certificates, Diplomas and Degrees, which are conventional as well as innovative. Most of these programmes have been developed after an initial survey of the demand for such Programmes. They are launched with a view to fulfill the learner's needs for:

- Certification,
- Improvement of skills,
- Acquisition of professional qualifications,
- Continuing education and professional development at work place,

- Self-enrichment,
- Empowerment

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## **2. ABOUT THE M.Sc. PROGRAMME IN ACTUARIAL SCIENCE**

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The School of Vocational Education and Training was established in 2007. It aims at providing quality education and training in various aspects of vocational education and training by offering programmes leading to the award of Certificate, Diploma, Post Graduate Diploma and Post Graduate Degree in relevant subjects.

**The M.Sc. in Actuarial Science will be offered as Full time On-Campus Programme. The classes will be held at IGNOU's Headquarters at New Delhi only.** The classroom teaching will be done by IGNOU faculty and eminent experts from different Universities/Institutions/Industry who will be especially involved in this programme as guest faculty.

Actuaries are problem solvers, business analysts, consultants and financial risk assessors all rolled into one. Their skills are applied in the worlds of insurance, pensions, healthcare, banking, business management and risk assessment. Actuaries use mathematical and statistical knowledge and problem solving skills to help businesses and institutions evaluate the long term financial implications of decisions that they make.

The aim of M.Sc. in Actuarial Science is to give students, in a Master's Degree setting, a good grounding in the fundamental mathematical and business related aspects of actuarial science. The programme will cover the syllabuses of subjects CT1 to CT8, and CA1 of the education strategy of the Institute of Actuaries of India/UK actuarial profession (Faculty and Institute of Actuaries).

### **2.1 Programme Objectives**

- To provide opportunities of higher studies in the professional area of actuarial science.
- To impart knowledge on various theoretical and practical aspects of actuarial science.
- To train and develop qualified actuarial and financial professionals.
- To impart advanced knowledge and practical computational skills in finance and actuarial science

### **2.2 Programme Structure**

A learner has to earn 72 credits to complete the Programme. The programme will be offered in a semester mode. There will be 4 semesters. Thus, a student has to earn 72 credits in 4 semesters which means 18 credits are to be earned per semester. The duration of the programme is 2 years.



### 2.3 Details of the Courses

S.No.	Course Code	Course Title	Nature of Course	Credits
<b>1<sup>st</sup> Semester</b>				
1.	MIA-001	Financial Mathematics	Theory	6 Credits
2.	MIA-002	Probability and Mathematical Statistics	Theory	6 Credits
3.	MIA-003	Business Economics	Theory	6 Credits
<b>2<sup>nd</sup> Semester</b>				
4.	MIA-004	Finance and Financial Reporting	Theory	6 Credits
5.	MIA-005	Stochastic Modeling and Survival Models	Theory	6 Credits
6.	MIAI-006	Access and Advanced Excel	Integrated(Theory+ Practical)	2 Credits
7.	MIAI-007	Programming in C/C++	Integrated(Theory+ Practical)	2 Credits
8.	MIAI-008	Data Analysis using R	Integrated(Theory+ Practical)	2 Credits
<b>3<sup>rd</sup> Semester</b>				
9.	MIA-009	General Insurance, Life and Health Contingencies	Theory	6 Credits
10.	MIA-010	Statistical Methods	Theory	6 Credits
11.	MIA-011	Financial Economics	Theory	6 Credits
<b>4<sup>th</sup> Semester</b>				
12.	MIA-012	Actuarial Risk Management-1	Theory	6 Credits
13.	MIA-013	Actuarial Risk Management-2	Theory	6 Credits
14.	MIAI-014	Project Work	Project	6 Credits

**2.4.1 Programme Credits : 72**

#### 2.4.2 Eligibility:

- a) Graduate from a recognized University/Institute with Mathematics/ Statistics/ Computer Science/ Engineering and Technology as one of the main subject, with at least 55% marks in aggregate or an equivalent grade for general candidates, and 50% marks in aggregate or an equivalent grade for SC/ST candidates.
- b) Any other graduate from a recognized University/Institute with at least 55% marks in aggregate or an equivalent grade for general candidates and 50% marks in aggregate or an equivalent grade for SC/ST candidates. Further, the applicant should have studied Mathematics as one of the subject at +2 level securing at least 60% marks.
- c) Candidates who have appeared in final year degree examination can also apply.

### 2.4.3 Age Limit:

Should not have crossed 28 years as on 1<sup>st</sup> July of the academic year (admission cycle). Relaxation of age upto five years will be given to SC/ST candidates or candidates having industrial experience.

**2.4.4 Medium of Instruction:** English

**2.4.5 Duration** : Two Years

**2.4.6 Programme Fee** : Rs.20000/- per semester (Total Rs. 80, 000/-)

**2.5 Students Intake** : 25 students will be admitted in July, 2011 batch.

The reservation of seats for SC/ST/OBC and other categories will be there as per the University rules.

### 2.6 Mode of Admission :

- The admission will be through an entrance test.
- The pattern of questions will be of multiple choice questions.
- The duration of the test will be 3 hours.
- The syllabus for the entrance examination shall consists of (a) Mathematics, (b) Probability and Statistics, (c) General English, and (d) General Awareness of Economic Environment.
- The weightage of marks will be 50% for Mathematics, 20% for Probability and Statistics, 15% for General English, and 15% for General Awareness of Economic Environment.
- The question paper will be of objective type having 100 multiple choice questions. Each question will carry one mark. There will be a negative marking of 0.25 for each wrong answer. The syllabus for the entrance test is given in the annexure 1.

### 2.7 Instructions for Filling the Application form for the Entrance Test Form-1

#### A) General Instructions

1. **Application form (Form 1) for Entrance Test has been provided in a separate envelope along with the Student Handbook and Prospectus.**

Please read these instructions before filling up Form 1.

2. You are responsible for the accuracy of information and indicating the information in the desired manner. You should ensure that you fulfil the admission criteria as prescribed by the University as on the last date for submission of Application form for Admission to Master Degree Programme in Actuarial Science (on campus full time).
3. Admission is open only to candidates residing in India. **Please send your Application Form for Entrance Test by Registered/Speed Post at the following address:**

**Assistant Registrar  
School of Vocational Education and Training  
R.No. 19, Block-1  
Indira Gandhi National Open University  
Maidan Garhi New Delhi- 110068**

4. **The last date for receiving Application form for entrance test is 30<sup>th</sup> June 2011.** Applications received after the due date will not be accepted.
5. **Do not send any certificate/document with the Entrance Form. These are required to be submitted with the Admission Form, in case you qualify in the Entrance Test.**
6. There would be some relaxation in qualifying standards to SC/ST/OBC/PH category candidates.
7. **A) The students are required to download the entrance exam form from the website. Along with the ENTRANCE exam form the students are required to send a demand draft of Rs.550/- drawn in favour of IGNOU, payable at New Delhi.**

#### **B) Test Dates**

1. **The Entrance test will be conducted on 19<sup>th</sup> July, 2011 at 10.00 A.M, at IGNOU, Maidan Garhi New Delhi only.**

#### **C) Non-Receipt of Hall Ticket**

1. On the basis of the information indicated in the Application Form for entrance examination the hall ticket for the Entrance Test will be sent to you. In case you do not receive the hall ticket one week before the test date you should contact the Director (School of Vocational Education and Training). The Hall Ticket can also be downloaded from the IGNOU website.
2. You should retain photocopy of filled-in Application Form for Entrance Test.
3. Duplicate Hall Ticket will be issued only to those candidates who have not received the Hall Ticket but their name appears in the finalised list. If your name does not appear in the list, you will not be issued duplicate Hall Ticket. Your record may not be included in the finalised list for any of the reasons like non-receipt of Application Form, or delay in receiving the Form, or not indicating the information correctly on the Form.
4. When you come for enquiry for issue of duplicate Hall Ticket you should bring a photocopy of the form.

#### **D) Reporting of Test Results**

All the candidates who appear for the Entrance Test shall be sent the result cards indicating their status as regards marks scored and rank in the merit list. The University shall send a separate communication to the candidates in order of merit. Admission of such candidates will be finalized based on the scrutiny of admission application form, relevant documents and programme fee. In case you do not receive your result card within 15 days, you may contact the Registrar, Student Evaluation Division, IGNOU, Maidan Garhi. No request for duplicate result card will be entertained after the last date for Submission of Admission Form. The qualified candidates can also download the result card from IGNOU website.

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### **3. UNIVERSITY RULES**

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The University reserves the right to change the rules from time to time. However, latest rules will be applicable to all the students irrespective of the year of registration.

#### **3.1 Educational Qualifications Awarded By Private Institutions**

Any educational qualification awarded by the Private Universities established under the provisions of the “Chhattisgarh Niji Kshetra Vishwavidyalaya (Sathapane Aur Viniyaman), Adhiniyam, 2002” are non-existent and cannot be made the basis of admission to higher studies with IGNOU.

#### **3.2 Incomplete and Late Applications**

Incomplete application forms, received after due date or having wrong options of courses or electives or false information, will be summarily rejected without any intimation to the learners. The learners are, therefore, advised to fill the relevant columns carefully and enclose the copies of all the required certificates duly attested by a Gazetted Officer.

#### **3.3 Validity of Admission**

Learners offered admission have to join on or before the due dates specified by the University. In case they want to seek admission for the next session, they have to apply afresh and go through the admission process again.

#### **3.4 Reservation**

The University provides reservation of seats for Scheduled Castes, Scheduled Tribes, non-creamy layer of OBC, War Widows, Kashmiri Migrants and Physically Handicapped learners, as per the Government of India rules, for admission to its various programmes.

#### **3.5 Scholarships and Reimbursement of Fee**

The learners belonging to reserved Categories, viz. Scheduled Castes, Scheduled Tribes and Physically Handicapped have to pay the full fee at the time of admission to the University along with other general category candidates.

SC/ST learners have to collect and subsequently submit their scholarship forms to the respective State’s Directorate of Social Welfare or Office of the Social Welfare Officer, through the Director School of Vocational Education and Training, IGNOU for reimbursement of programme fee.

Similarly, Physically Handicapped learners admitted to IGNOU Programmes are eligible for Government of India scholarships. They are advised to collect scholarship forms from the respective

State Government Directorate of Social Welfare or Office of the Social Welfare Officer and submit the filled-in forms to them through the Director, School of Extension and Development Studies, IGNOU.

Scholarship scheme of National Centre for Promotion of Employment of Disabled People (NCPEDP) for Post Graduate level programmes is applicable to the students of this University also. Such students are advised to apply to awarding authority.

### **3.6 Refund of Fee**

Fee once paid will not be refunded under any circumstances. It is also not adjustable against any other programme of this University. However, in cases where University denies admission, the programme fee will be refunded after deduction of registration fee through A/c Payee Cheque only through Director, School of Extension and Development Studies, IGNOU.

### **3.7 Official Transcripts**

The University provides the facility of official transcripts on request made by the learners on plain paper addressed to Registrar (SRE), IGNOU, Maidan Garhi, New Delhi-110 068. A fee of Rs.100/- per transcript payable through DD in favour of IGNOU is charged for this purpose. The students are required to pay Rs.250/- in case of request for sending transcript outside India.

### **3.8 Disputes on Admission & other University matters**

The place of jurisdiction of filing of suit, if necessary, will be only New Delhi/Delhi.

### **3.9 Recognition**

IGNOU Degrees/Diplomas/Certificates are recognized by all member Universities of Association of Indian Universities (AIU) and are at par with Degrees/Diplomas/Certificates of all Indian Universities/Institutions, as per UGC Circular letter no. F.1-52/ 2000(CPP-II) dated 5th May, 2004, AIU Circular No. EV/11(449/94/ 176915-177115 dated January 14, 1994 & AICTE Circular No. AICTE/Academic/MOU-DEC/2005 dated May 13, 2005. (See Annexure-I, II & III)

## **4. PREVENTION OF MALPRACTICE/NOTICE FOR GENERAL PUBLIC**

Students seeking admission to various academic programmes of Indira Gandhi National Open University are advised to directly contact IGNOU headquarters at New Delhi. Students interacting with intermediaries shall do so at their own risk and cost.

However, in case of any specific complaint regarding fraudulent institutions, fleecing students etc., please contact any of the following members of the Malpractices Prevention Committee:

1. Director, SOCIS (Tele: 2953 3426)
2. Register, SRD (Tele: 2953 2741)
3. Register, SED (Tele: 2953 5828)
4. Director, RSD (Tele: 2953 2118)
5. Director, SSC (Tele: 2953 5714)
6. CPRO (Tele: 2953 2321)
7. Security Officer (Tele: 2953 3237)
8. Deputy Register, SRD (Tele: 2953 6215)

As per directions of Hon'ble Supreme Court of India ragging is prohibited. If any incident of ragging comes to the notice of the authority the concerned student shall be given liberty to explain and if his/her explanation is not found satisfactory, the authority would expel him/her from the University.

## 5. PRE-ADMISSION ENQUIRY ON ACADEMIC PROGRAMME

If you have any queries on academic aspects of the programme please contact the Director of the concerned School as indicated below on the address of the University.

*For further information, contact:*  
Prof. C. G. Naidu  
Director  
**School of Vocational Education and Training**  
(R.No. 19, Block-1)  
Indira Gandhi National Open University  
Maidan Garhi, New Delhi-110068  
Ph: 011-29536982  
Email: [cgnaidu@ignou.ac.in](mailto:cgnaidu@ignou.ac.in)

For any further detail please visit our website: <http://www.ignou.ac.in>

**UNIVERSITY GRANTS COMMISSION  
BAHADUR SHAH ZAFAR MARG  
NEW DELHI-110002**

No.F.1-52/2000(CPP-II) 5th May, 2004

The Registrar  
Indira Gandhi National Open University

Maidan Garhi  
New Delhi-110068

**Sub: RECOGNITION OF DEGREES AWARDED BY OPEN UNIVERSITIES**

Sir/Madam,

There are a number of open Universities in the country offering various degrees/diploma through the mode of non-formal education. The Open Universities have been established in the country by an Act of Parliament of State Legislature in accordance with the provisions contained in Section 2(F) of the UGC Act, 1956. These universities are, therefore, empowered to award degrees in terms of Section 22(1) of the UGC Act, 1956.

A circular was earlier issued vide UGC letter N.F. 1-8/92(CPP) dated February, 1992 mentioning that the Certificates, Diplomas and Degrees awarded by Indira Gandhi National Open University are to be treated equivalent to the corresponding awards of the Universities in the country. Attention is further invited to UGC circular No. F1-25/93(CPP-II) dated 28th July, 1993(copy enclosed) for recognition of degrees and diplomas as well as transfer of credit for courses successfully completed by students between the two types of Universities so that the mobility of students from Open University stream to traditional Universities is ensured without any difficulty.

The UGC has specified the nomenclature of degrees under Section 22(3) of the UGC Act, 1956 to ensure mandatory requirements viz. minimum essential academic inputs required for awarding such degrees. A copy of Gazette Notification regarding specification of degrees issued vide No. 1-52/97(CPP-II) dated 31st January 2004 is enclosed. The details are also given in UGC Web site: [www.ugc.ac.in](http://www.ugc.ac.in)

May, I therefore request you to treat the Degrees/Diploma/Certificates awarded by the Open Universities in conformity with the UGC notification on specification of Degrees as equivalent to the corresponding awards of the traditional Universities in the country.

Yours faithfully

Sd/-  
(Dr. [Mrs.] Pankaj Mittal)  
Joint Secretary

**Encl: As above**

**ASSOCIATION OF INDIAN UNIVERSITIES  
AIU HOUSE, 16 KOTLA MARG , NEW DELHI-110002**

Phone: 3312305, 3313390 Gram: ASINGU

3310059, 3312429 Telex: 31 66180 AIU IN

Fax: 011-3315105

No. EV/II(449)/94/176915-177115

January 14, 1994

The Registrar(s)  
Member Universities

**Subject: Recognition of Degrees/Diplomas of Open Universities**

Dear Sir,

The Standing Committee at its 237th meeting held at Utkal University and the 68th Annual Session of the AIU and in December, 1993 at the University of Delhi have decided to in principle that the Degrees of the Open Universities be recognized in terms of the following resolutions:

“Resolved that the examinations of one University should be recognized by another on a reciprocal basis, provided that the entrance qualification, duration of course and the general standard of attainment are similar to those prescribed by the recognized university.”

“Further resolved that in case of Degrees awarded by Open Universities, the conditions regarding entrance qualifications and duration of the course be relaxed provided that the general standard of attainment are similar to those prescribed by the recognized university”.

The decision is brought to the notice of the Universities for favour of appropriate action in the matter. The additional information, if required in this behalf, may kindly be obtained from the Registrar of the Universities direct.

Thanking you,

Yours faithfully,

Sd/-

(K.C. KALRA)

Joint Secretary



## Syllabus for Entrance Test

### (a) Mathematics:

- a.1 **Pre-calculus:** permutations & combinations; expansion of  $(a+x)^n$ ; using the sigma notation to express the sum of a series; summing the terms of an arithmetic progression and a geometric progression; interpolation and local approximation
- a.2 **Elementary calculus:** the idea of a limit; differentiation of polynomial; exponential and logarithmic functions, product; quotient and "function of a function" rules for differentiation; definite and indefinite integration of polynomial and exponential functions; area under a curve; methods of numerical integration; integration by substitution and by parts
- a.3 **More advanced calculus:** higher order derivatives; finding turning points of simple functions with polynomial and exponential terms; curve sketching; maximisation under constraints: method of Lagrange Multipliers; Taylor's theorem; power series expansion for  $\exp(x)$ ; differentiation of definite integrals: Fundamental Theorem of the Calculus; solving first order differential equations: exact, separable (including logistic), linear; second order differential equations with constant coefficients: complementary function and particular integral
- a.4 **Calculus of two variables:** partial derivatives of functions of two variables; maxima and minima of functions of two variables; double integrals and changing the order of double Integrals
- a.5 **Algebra:** matrix addition and multiplication; determinant and inverse of a square matrix; using matrices and vectors to represent linear equations; solving simultaneous linear equations; complex numbers; linear difference equations with constant coefficients;
- (b) Probability and Statistics:** sample spaces, events; the probability of an event; basic rules of probability; conditional probability; independent events; Bayes Theorem and application of Bayes theorem; random variable and its probability; Binomial, Poisson, and Normal distributions and their properties. Bivariate, marginal, and conditional frequency distribution; relationship between two variables: scatter diagram: covariance: Karl Pearson's coefficient of correlation; linear regression; relation between regression and correlation, calculation of regression coefficients. Moments, relationship between  $\mu_r$  and  $\mu_r'$ ; measures of skewness (including Karl Pearson's Bowley's, and Kelley's coefficient of skewness), Pearson's  $\beta$  and  $\gamma$  coefficients; kurtosis.
- (c) General English:** Vocabulary, Grammar, Reading Comprehension
- (d) General Awareness of Economic Environment:** Questions will be designed to test the ability of the candidates general awareness of the economic environment around him and its application to society. Questions will also be designed to test knowledge of current economic events and of such matters of everyday observation and experience relating to India and global. The topics include: GDP growth rate, inflation, balance of payments, exchange rate, tariffs, governments policy, public expenditure, taxes, fiscal deficit, subsidies, globalization, liberalization, capital and stock markets, SEBI, planning commission, finance commission, financial institutions and financial control, Basel norms etc.



**INDIRA GANDHI NATIONAL OPEN  
UNIVERSITY**

**Application Form for Admission to M.Sc. Programme in  
Actuarial Science (On Campus Full Time)  
(JULY 2011 SESSION)**

[To be submitted by the candidates who receive offer of  
admission from the University]

Control Number

**INSTRUCTIONS**

1. Please read the instruction in the Student Handbook and Prospectus before filling up the form.
2. Use **BLACK BALL POINT PEN** in boxes using English Capital Letters or English numerals
3. Do not make any stray marks on the sheet.
4. Do not staple, pin, wrinkle scribble, tear or wet this sheet
5. Write in **CAPITAL LETTERS** only within the box, without touching the lines as shown in the sample below:

1	2	3	4	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

<b>1. Programme Code</b> <input style="width: 100%; height: 20px;" type="text"/>	<b>2. Enrolment No.</b> (For office use only) <input style="width: 100%; height: 20px;" type="text"/>	<b>PHOTOGRAPH</b>  Affix your latest passport size photograph (4 cm x 5 cm) duly attested by you.
<b>3a. Are you already registered with IGNOU</b> (Write the relevant code in the box) A1 Yes <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/> B2 No <input style="width: 20px; height: 20px;" type="text"/>		
<b>3b. If yes write the Enrol. No. &amp; Program Code in the boxes below:</b> Enrolment No <input style="width: 100%; height: 20px;" type="text"/> Programme Code <input style="width: 100%; height: 20px;" type="text"/>		
<b>4. Date of Birth</b> <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/>	<b>5. Nationality</b> A1 Indian <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/> B2 Others <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/>	
<b>6. Sex</b> (Write the relevant code in the box) A1 Male <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/> B2 Female <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/>	<b>7. Category</b> (Write the relevant code in the box) A1-GEN C3-ST B2-SC D4-OBC (In case of OBC Student, Please also indicate code either) D4-A or D4-B (i) Creamy Layer – D4-A (ii) Non-Creamy Layer D4-B	<b>8. Territory Code:</b> (Write the relevant code in the box)  A1 Urban <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/> B2 Rural <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/> C3 Tribal <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/>
<b>9. Marital Status:</b> (Write the relevant code in the box)  A1 Married <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/> B2 Unmarried <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/>	<b>10. Religion</b>  A1 Hindu D4 Sikh G7 Parsi B2 Muslim E5 Jain H8 Jews C3 Christian F6 Budhist I9 Others	
<b>11. Whether Minority</b> (Write the relevant code in the box) A1 Yes <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/> B2 No <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/>	<b>12. Social Status</b> (Write the relevant code in the box) A1 Ex-service men <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/> B2 War Widow <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/> C3 Not applicable <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/>	<b>13. Whether Kashmiri Migrant:</b> (Write the relevant code in the box) A1 Yes <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/> B2 No <input style="width: 20px; height: 20px;" type="text"/> <input style="width: 20px; height: 20px;" type="text"/>
<b>14. Name of the Candidate</b> (Leave one box empty between First Name, Middle Name and Surname) <input style="width: 100%; height: 20px;" type="text"/>		
<b>15. Father's/Husband's Name/Mother's Name</b> (Strike out whichever is not applicable) <input style="width: 100%; height: 20px;" type="text"/>		

Signature of Candidate

<b>16(a). Whether Physically Handicapped:</b> (Write the relevant code in the box)  A1 Yes <input style="width:30px; height:20px;" type="text"/> B2 No <input style="width:30px; height:20px;" type="text"/>	<b>16(b) If physically handicapped (nature of disability):</b> (Write the relevant code in the box) A1 Hearing Impairment    D4 Reading Disability B2 Locomotor Impairment    E5 Any other, Please specify C3 Visual Impairment <input style="width:30px; height:20px;" type="text"/>	<b>17. Employment Status:</b> (Write the relevant code in the box) A1 Unemployed B2 IGNOU Employee C3 Employed D4 KVS Employee <input style="width:30px; height:20px;" type="text"/>
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<b>18. Details of Scholarship being received if any:</b> (b) Deptt. Offering (Write the relevant code in the box) Scholarship		(c) Family Income (yearly)
(a) Annual Scholarship Amount	<input style="width:100px; height:20px;" type="text"/> A1 Govt. Deptt. B2 Other	<input style="width:100px; height:20px;" type="text"/>

<b>19. Educational Qualifications:</b> (Which makes you eligible for the programme)					
(a) Qualification Graduation  <input style="width:30px; height:20px;" type="text"/> A1 for passed B2 Result awaited	(b) Main Subjects	(c) Year of passing  <input style="width:30px; height:20px;" type="text"/> (Last 2 Digits only)	(d) Division  <input style="width:30px; height:20px;" type="text"/> (01,02,03 or 04) for pass	(e) % of marks  <input style="width:30px; height:20px;" type="text"/> (Do not use Decimals)	(f) University Name  <input style="width:60px; height:20px;" type="text"/> (Whatever required)

<b>20. Details of Registration Fees:</b>	
Demand Draft No.	<input style="width:100px; height:20px;" type="text"/>
DD Date	<input style="width:30px; height:20px;" type="text"/>

Bank Name:
<input style="width:100%; height:20px;" type="text"/>

<b>21. Address for Correspondence</b> (Do not give Post Box No. Leave a blank between each unit of address like House No., Street Name, P.O., etc.)	
<input style="width:100%; height:20px;" type="text"/>	
<input style="width:100%; height:20px;" type="text"/>	
City	District
<input style="width:100%; height:20px;" type="text"/>	<input style="width:100%; height:20px;" type="text"/>
State	Pin Code
<input style="width:100%; height:20px;" type="text"/>	<input style="width:100%; height:20px;" type="text"/>

<b>22. Landline Telephone Number</b> (if any) with STD Code STD Code                      Telephone No.	<b>23. Fax No.</b> (if any) with STD Code STD Code                      Fax No.
<input style="width:100%; height:20px;" type="text"/>	<input style="width:100%; height:20px;" type="text"/>

<b>24. Mobile Number</b> (if any)
<input style="width:100%; height:20px;" type="text"/>

<b>25. E-mail address/ID</b> (if any)
<input style="width:100%; height:20px;" type="text"/>

**Declaration by the Applicant**

I hereby declare that I have read and understood the conditions of eligibility for Master's Degree Programme in Actuarial Science for which I seek admission. I fulfill the minimum eligibility criteria and I have provided necessary information in this regard. In the event of any information being found incorrect or misleading, my candidature shall be liable to cancellation by the University at any time and I shall not be entitled to refund of any fee paid by me to the University. Further, I have carefully studied the rules of the University as printed in the Prospectus and I accept them and shall not raise any dispute in the future over the same rules.

Date:

(Signature of the Applicant)

## **INSTRUCTIONS FOR CANDIDATES**

1. Please send your filled application form by Regd. Post / Speed Post to the  
**Director**  
**School of Vocational Education and Training**  
**R.No. 19, Block-1**  
**Indira Gandhi National Open University**  
**Maidan Garhi New Delhi- 110068**
2. Application submitted at any other office of the University will not be entertained.
3. Please retain the photocopy of the filled-in form for future reference.
4. Affix the photograph and enclose the following:
  - i) Attested Certificates and Mark sheets in support of your educational qualifications.
  - ii) Attested Category Certificate for SC/ST/PH/OBC/Kashmiri Migrant/War Widow candidates, wherever required.
  - iii) Attested Age certificate

Enrolment No. \_\_\_\_\_

Name of the Programme \_\_\_\_\_

Name \_\_\_\_\_

Father's/Husband's Name \_\_\_\_\_

\_\_\_\_\_

Address (in Capital Letters) \_\_\_\_\_

\_\_\_\_\_

Pin Code \_\_\_\_\_

**PASTE**

LATEST PHOTOGRAPH TO BE  
PASTED WHICH WILL BE  
ATTESTED BY UNIVERSITY  
OFFICE

Attested by  
Director, School of Vocational  
Education and Training

Indira Gandhi National Open University  
Full Signature of the Candidate \_\_\_\_\_ Maidan Garhi, New Delhi – 110068



## INDIRA GANDHI NATIONAL OPEN UNIVERSITY

### ACKNOWLEDGEMENT CARD

*Dear Student,*

*Thank you for joining IGNOU Programme. We acknowledge the receipt of your application form. Please mention Enrolment Number and the programme applied for in all your future correspondence with the University.*

**To be filled in by the Student.**

Course Applied for : .....

DD/Challan No. : .....

DD/Challan Date : .....

Amount : .....

DD Drawn on : .....

**For Office  
Use Only**

Your Enrolment Number is

**INSTRUCTIONS**

1. This card should be produced on demand at the Examination Centre or any other Establishment of IGNOU to use its facilities.
2. The facilities would be available only relating to the course or courses for which the student is actually registered.
3. Duplicate Identity Card will be issued by the Director, SOVET, on payment of Rs. 100/- by way of Demand Draft only in favour of IGNOU payable at New Delhi.
4. Loss of Identity Card is to be reported immediately to the nearest Police Station.
5. Identity Card is to be submitted to the issuing authority after completion of the said programme



**INDIRA GANDHI NATIONAL OPEN  
UNIVERSITY**

**STUDENT CARD  
(FOR USE OF IGNOU FACILITIES  
ONLY)**



**Please mention your full postal address at the space allocated**

To

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Affix  
Postage  
stamp for  
Rs 6/-

From

The Director  
School of Vocational  
Education and  
Training  
IGNOU  
New Delhi – 68

\_\_\_\_\_  
\_\_\_\_\_

PIN:

CITY: \_\_\_\_\_

STATE: \_\_\_\_\_

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## Members of Experts Committee for M. Sc (Actuarial Science) Programme

Mr R. Ramakrishnan  
(Retired Executive Director (Actuarial), LIC  
& former Member of Malhotra Committee on  
insurance reforms)  
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President  
Institute of Actuaries of India  
302, Indian Globe Chambers  
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Department of Economics  
University of Hyderabad  
Hyderabad

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(IIRM)  
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Chennai-600042

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School of Social Sciences  
Indira Gandhi National Open University New  
Delhi-110068

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