INDIAN MARITIME UNIVERSITY

(A Central University, Govt. of India)
East Coast Road, Uthandi, CHENNAI – 600 119

INFORMATION BROCHURE

FEBRUARY 2017

DNS LEADING TO B.SC(APPLIED NAUTICAL SCIENCE)

Contents

1.   Introduction:

1. The Indian Maritime University (IMU) was established on 14th November 2008 as a teaching and affiliating University under the Ministry of Shipping, Government of India, with Chennai as headquarters. It was set up to promote maritime studies, training, research and extension with focus on emerging areas like oceanography, maritime history, maritime laws, maritime security, search and rescue, transportation of dangerous cargo, environmental studies and other related fields, and to achieve excellence in these areas.

2. Diploma in Nautical Science leading to B.Sc., Applied Nautical Science is a 36 month programme which includes 12 months pre-sea training at an Institute followed by 18 months of on-board sea service, and 6 months of post sea training for preparation of 2nd Mate Competency Examination.

2. Eligibility / Qualification for admission to DNS Course:

A.   Qualification:

(i)   Pass in (10+2) or equivalent examination with Physics, Chemistry, Mathematics and English as separate subjects with a PCM average of not less than 60%.

OR

B.Sc. in Physics, Mathematics, Chemistry or Electronics with Physics as individual subject in one of the year, with an average of not less than 50% of marks in the final year.

OR

B.E/B.Tech. Degree from I.I.T. or from a college recognized by AICTE with an average of not less than 50% of marks in the final year.

AND

(ii)   The candidates should have obtained 50% marks in English language at 10th or 12th Std. or in the Degree course conducted by recognized Board or any University.

Relaxation: 5% Relaxation in eligibility marks to SC/ST candidates. No relaxation in English language marks.

B. List of approved Boards / Colleges / Universities

i.   The final examination of the 10+2 system, conducted by any recognized central/state Board, such as Central Board of Secondary Education, New Delhi; Council for the Indian School Certificate Examinations, New Delhi; etc.

ii.   Intermediate or two-year Pre-University examination conducted by a recognized Board/University.

iii.   Final examination of the two-year course of the Joint Services wing of the National Defence Academy.

iv.   General Certificate Education (GCE) examination (London/Cambridge/SriLanka) at the Advanced (A) level.

v.   High School Certificate Examination of the Cambridge University or International Baccalaureate Diploma of the International Baccalaureate Office, Geneva.

vi.   H.S.C vocational examination.

vii.   Senior Secondary School Examination conducted by the National Institute of Open Schooling with a minimum of five subjects.

viii.   Any Public School/Board/University examination in India or in any foreign country recognized as equivalent to the 10+2 system by the Association of Indian Universities (AIU).

ix.   In case the relevant Qualifying Examination is not a public examination, the candidate must have passed at least one public (Board of Pre-University) examination at an earlier level.

x.   Any other qualification which is recognized by Ministry of Human Resourse Development (MHRD) which is equivalent to HSC / Plus 2.

xi.   B.Sc Degree in Physics, Mathematics, Chemistry or Electronics with Physics as individual subject in one of the year and the degree should have been recognized by Association of Indian Universities.

xii.   B.E /B.Tech Degree from I.I.T or from a College / University recognized by AICTE.

C. Date of Birth

a. **Male Candidates** belonging to General (GEN) and Other Backward Classes (OBC-NCL) categories, the date of birth should fall **between 02-02-1992 and 02-02-2000.**

b. **Female Candidates** of General (GEN) and Other Backward Classes (OBC-NCL) categories the date of birth should fall **between 02-02-1990 and 02-02-2000.**

c. Male and Female candidates belonging to Scheduled Castes (SC) and Scheduled Tribes(ST), the date of birth should fall **between 02-08-1987 and 02-08-2000.**

D. Physical Fitness

Candidates for admission to DNS course are required to produce certificate for medical fitness by authorities authorized by Director General of Shipping. **Candidates with Disability (DA) are not eligible for admission to marine courses.** List of approved doctors for issuing the certificate is available in MS Notice 01 of 2015 (**www.dgshipping.gov.in)**. The candidate must be physically fit and should meet the medical requirements as specified by DGS guidelines. Failure to meet the medical standards would disqualify a candidate for admission. In case of appeal, the same will be referred to a medical board appointed by the Indian Maritime University. The decision of such medical board shall be final. Cadets are subject to further medical examination by the respective shipping companies before joining ships.

E. Eye sight

For DGS-approved course viz. DNS Leading to B.Sc., (Nautical Science), there shall be no evidence of any morbid condition of either eye or of the lids of either eye which may be liable to risk of aggravation or recurrence.Candidates must possess good binocular vision (Fusion faculty and full field of vision in both eyes). Movement of the eyeballs must be full in all directions and the pupils should react normally to light and accommodation.

Nautical Department(Deck Department):

a) Distance vision (unaided 1.0 *(6/6) in better eye and 0.67*(6/9)in other eye;

b) Normal colour vision shall be tested by Ishihara test chart.

3. Admission in to February 2017 DNS Programme

Admissions to Diploma in Nautical Science leading to B.Sc. (Applied Nautical Science) programme of February 2016 Batch in **Affiliated Institutes** are open only to '**Sponsored Candidates**', i.e. candidates "**sponsored**" by Ship Owning or Managing Companies, RPSL Agencies and those who qualify in IMU's CET.

(a) Common Entrance Tests for Admissions to DNS – Feb 2017 Batch for Sponsored Candidates

Admission to DNS programme of the Affiliated Institutes will be through All India Computer Based Online Common Entrance Test for which the candidates have to appear.

The **Syllabus** for CET for UG programmes will be Physics, Mathematics, Chemistry, English, General Knowledge and Aptitude at Plus 2 level (CBSE, ISE and State Boards).

The questions will be of **Multiple Choice Type**.

The **Application Fee is Rs.1000/-** for General candidates and **Rs.700/-** for Scheduled Caste/Scheduled Tribe candidates.

(b) Important Announcement:Computer-based CET Jan 2017:

For Conducting Computer based CET, the IMU has selected a Service Provider who will provide **End-to-End Services** for the successful conduct of the Computer-based CET January 2017, except for the setting of question papers which will be done by the University itself.

The End-to-End Services that the Service Provider will provide are:

- **Online Registration** of Applicants with facility to upload photographs scanned signatures and online payment of Registration Fees and to download and print filled-in applications in standard formats. For Online Registration,

Applicants should visit the website of the Indian Maritime University at **http://www.imu.edu.in**and click on the "CET January2017" hyperlink.

- Provision for online payment of Registration Fees has been made. The successful payment of Registration Fees to the account of IMU will be a mandatory requirement for completion of Registration formalities.

- Arranging Test Venues at designated cities with sufficient number of computers, relevant software and necessary personnel to administer the CET smoothly without any hitch.

- Facility for Applicants to take at least 2 Web-based **Mock Tests** of a nature similar to IMU's CET so that they can get familiar with the Computer-based mode of testing.

- Facility for Applicants to download their **Hall Tickets/Admit Cards** with the name of the Test Venue indicated.

- **Automated e-mails/SMS** to every registered Applicant on successful registration of Application, uploading of Hall Ticket, publication of results, etc.

- Conducting the CET at the designated Test Venues.

- Evaluation of answers and publication of CET results within 3 days.

- **Applicants are also requested to periodically visit the IMU's website http://www.imu.edu.in to keep track of new announcements and changes if any. This is very important.**

- **The IMU shall not be responsible for any mistakes committed by an Applicant owing to his negligence in this aspect.**

- All correspondence to IMU regarding DNS January-CET-2017 shall be made via Email only at **cetjan2017@imu.ac.in**

(d)   Date and Centres of IMU's Computer-based CET 2017:

The Computer-based CET for IMU's DNS Leading to B.Sc.(Applied Nautical Science) programme is scheduled to be held on **Saturday, 07thJanuary 2017 in the Afternoon** between **2 pm and 5 pm** in a **single shift**.

They will be held simultaneously in the following 12 cities across India:

1	Bangalore
2	Bhopal
3	Chennai
4	Cochin
5	Guwahati
6	Hyderabad
7	Jaipur
8	Kolkata
9	Lucknow
10	Mumbai
11	New Delhi
12	Patna

The Applicants can give 3 preferences for the cities where they wish to take the CET while registering online.

While every effort will be made to accommodate an Applicant within his 3 preferred cities, **the IMU reserves the right to divert Applicants to the nearest cities** if sufficient number of candidates are not forthcoming in certain cities and also if there are too many candidates for a particular city.

If there is a large number of Applicants for certain cities, the IMU/Service Provider may arrange multiple Test Venues in such cities.

The name and address of the Test Venue will be indicated on the Hall Ticket/Admit Card and Applicants are requested to be present at the Test Venue at least 30 minutes before the time of commencement of the CET.

(e)   Important Dates:

Activity	Date
Starting date for online registration	1st December 2016
Last date for Online Registration	19th December 2016 till 5.30 PM
Hall Tickets can be downloaded from	23rd December 2016
Date of Computer based CET	Saturday, 7th January 2017, 2 pm to 5 pm
Date of Commencement of Programme	1st February 2017

4. Course Contents

DNS Leading to B.Sc., (Applied Nautical Science)

Semester – I	Semester – II
Applied Mathematics	Navigation III : Terrestrial, Coastal and Celestial Navigation
Applied Sciences	Navigation IV : Advanced Bridge Equipment, Watch keeping and Meteorology
Ship Construction & Ship Stability I	Cargo Handling, Stowage and Seamanship II
Navigation I : Terrestrial & Celestial	Ship Construction & Ship Stability
Navigation II : Bridge Equipment, Watch Keeping and Meteorology	MARPOL & Marine Engineering Knowledge
Cargo Handling, Stowage and Seamanship I	Emergencies, Maritime Communication and Commercial Shipping Knowledge
English, Human Factors & Maritime History	English Laboratory
Applied Sciences Laboratory	Workshop Practices and Seamanship Laboratory
Computer Laboratory	Navigation Laboratory
Workshop Practices	
Seamanship Laboratory	
English Laboratory	
ON Board Training (SSTP)	
Semester – III	**Semester – IV**
Bridge Watch Keeping, Ship Safety & Security	Navigational Aids & Environmental Protection
Semester – V	**Semester - VI**
Ship Maneuvering & Future issues	Terrestrial Navigation & Chart work Celestial Navigation Meteorology Bridge Watch keeping Signals & Communication Cargo Handling & Stowage Ship Construction, Stability, Ship - Safety Environment Protection

5. <u>List of Institutes Affiliated to the IMU For Feb 2017 DNS Batch</u>

SI. No.	College Name
1	Anglo Eastern Maritime Academy, Mumbai
2	Applied Research International, New Delhi
3	Great Eastern Institute of Maritime Studies, Mumbai
4	International Maritime Institute, New Delhi
5	Maritime Training Institute, (SCI) Mumbai
6	Maritime Training Institute, (SCI) Tuticorin
7	MMTI'S Education & Research Trust, Mumbai
8	Perunthalaivar Kamarajar Institute of Maritime Science and Engineering, Chidambaram
9	Samundra Institute of Maritime Studies, Mumbai
10	Southern Academy of Maritime Studies, Chennai
11	Training Ship Rahaman, Mumbai
12	Vishwakarma Maritime Institute, Pune

WISHING ALL ASPIRING CANDIDATES TO

THE INDIAN MARITIME UNIVERSITY

THE VERY BEST!