



## **Instructions for GME Sponsorship Programme, Direct entry – Deck and Engine Cadet**

### **GME Sponsorship Programme Entrance**

Entrance Examination for Sponsorship of Mechanical Engineering Graduates to the Graduate Marine Engineer (GME) Programme

**NOTE:** Sponsorship is only applicable for the placement of candidates into Synergy Maritime Training Institute or a DG-approved Maritime Training Institute (MTI) assigned by Synergy. Sponsorship does not include payment of course fees

### **Eligibility Criteria:**

- The candidate must have been born on or after 1 December 1998.
- At the time of commencement of the course, the candidate must not be more than 28 years of age.
- The candidate must have secured a minimum of 50% marks in English in Class XII or an equivalent examination.
- The candidate must have completed B. Tech / B.E. in Mechanical Engineering with a minimum aggregate of 60%, OR
- The candidate must be appearing for the final semester of B. Tech / B.E. in Mechanical Engineering. In such cases, selection will be subject to meeting a minimum aggregate of 60% in the final results.
- Candidates who have completed a degree in any Naval Architecture stream are also eligible to apply, provided they meet the minimum requirement of a 60% overall aggregate.

### **Examination Format and Syllabus:**

- The examination will be conducted online at designated test centres.
- The duration of the examination will be 3 hours (180 minutes).
- The examination will consist of 200 Multiple Choice Questions (MCQs), comprising:
  - A. 100 knowledge-based questions (B.E. / B. Tech in Mechanical Engineering – GATE syllabus)
  - B. 100 English and aptitude-based questions
- Each correct answer will carry 1 mark.
- A negative marking of 0.25 marks will apply for each incorrect answer.
- No marks will be awarded or deducted for unanswered questions.

### **Question Pattern:**

<b>Total Questions</b>	200
<b>Duration of Test</b>	180 minutes

### **Section A - Knowledge**

100 MCQs (Mechanical Engineering – GATE syllabus)

### **Section B - English and Aptitude**

100 Qs covering:

- Numerical Reasoning and Data Interpretation
- Verbal Reasoning
- Non-verbal Reasoning (Spatial and Abstract Reasoning)
- Geography
- English



**Special consideration will be given during the interview stage to candidates possessing NCC 'A', 'B', or 'C' certificates.**

### Deck Cadets Exam

#### Eligibility Criteria:

For candidates who are in the final semester or have completed DNS:

- The candidate must have been born on or after 1 August 1998.
- The candidate must have secured a minimum of 60% aggregate marks in Physics, Chemistry, and Mathematics in Class XII or equivalent.
- The candidate must have secured a minimum of 60% overall aggregate in Class XII.
- The candidate must have secured a minimum of 50% marks in English in Class XII or an equivalent examination.
- The candidate must have completed pre-sea training, OR
- The candidate must be in the final semester of the DNS course at a DG-approved Maritime Training Institute (MTI).

#### For candidates pursuing or who have completed B.Sc. (Nautical Science):

- The candidate must have either completed the course or be currently in the final semester (6th semester).
- The candidate must have secured a minimum aggregate of 60% in the final year.
- The candidate must have obtained at least 50% marks in English.

**Note:** Candidates who have qualified in HND course can also apply via DNS Completed/pursuing field provided overall class XII score is 60% and PCM aggregate is 60%.

#### Examination Format and Syllabus:

- The examination will be conducted online at designated test centres.
- The duration of the examination will be 3 hours (180 minutes).
- The examination will consist of 200 Multiple Choice Questions (MCQs), comprising:
  - A. 100 knowledge-based questions (DNS / B.Sc. Nautical Science Syllabus)
  - B. 100 English and aptitude-based questions
- Each correct answer will carry 1 mark.
- A negative marking of 0.25 marks will apply for each incorrect answer.
- No marks will be awarded or deducted for unanswered questions.
- Questions in the subject knowledge areas will be based on the approved syllabus of DNS / B.Sc. Nautical Science.

#### Question Pattern:

Total Questions	200
Duration of Test	180 minutes

#### Section A - Knowledge

- 100 MCQs based on marine subjects
- Key areas for assessment include:
  - Terrestrial Navigation.



- Knowledge of navigational instruments.
- Navigation: charts, lights, shapes and sound signals, concept of time and position plotting fundamentals.
- Basic ship construction and naval architecture.
- Fire Safety, including knowledge of basic firefighting equipment.
- Basic cargo work: understanding of relevant terms.
- Basic terms associated with ship stability and general ship terminology.
- Meteorology and oceanography.

#### Section B - English and Aptitude

100 MCQs covering:

- Numerical Reasoning and Data Interpretation
- Verbal Reasoning
- Non-verbal Reasoning (Spatial and Abstract Reasoning)
- Geography
- English

**Special consideration will be given during the interview stage to candidates possessing NCC 'A', 'B', or 'C' certificates.**

#### Engine Cadets Exam

##### Eligibility Criteria:

- The candidate must have been born on or after 1 August 1998.
- The candidate must have secured a minimum of 60% overall aggregate in Class XII.
- In case of a Diploma in Marine Engineering, the candidate must have secured a minimum aggregate of 60%.
- The candidate must have secured a minimum of 50% marks in English in either Class X or Class XII or an equivalent examination.
- The candidate must have completed the GME course, OR
- The candidate must have completed or be currently in the final year of B. Tech in Marine Engineering from a DG-recognized Maritime Training Institute, with a minimum of 60% in the final semester.
- Candidates who are currently pursuing the 3rd year of B. Tech in Marine Engineering at a DG-recognized Marine Institute may also apply, provided they have secured a minimum of 60% in the 5th semester.

##### Examination Format and Syllabus:

- The examination will be conducted online at designated test centres.
- The duration of the examination will be 3 hours (180 minutes).
- The examination will consist of 200 Multiple Choice Questions (MCQs), comprising:
  - A. 100 knowledge-based questions (GME / B. Tech in Marine Engineering Syllabus)
  - B. 100 English and aptitude-based questions
- Each correct answer will carry 1 mark.
- A negative marking of 0.25 marks will apply for each incorrect answer.
- No marks will be awarded or deducted for unanswered questions.
- Questions in the subject knowledge areas will be based on the approved syllabus of GME or B. Tech in Marine Engineering.

##### Question Pattern:

Total Questions	200
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<b>Duration of Test</b>	<b>180 minutes</b>
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Section A - Knowledge

- 100 MCQs based on marine subjects
- Key areas for assessment include: (Marine Engineering subjects)
  - Marine Engines.
  - Marine Auxiliary Machinery.
  - Machine Design and Drawing.
  - Basic Ship Construction and Naval Architecture.
  - Fire Safety, including knowledge of basic firefighting equipment.
  - Materials and Metallurgy.
  - Basic Electricity and Electronics.

Questions will be based on the approved syllabus for B. Tech in Marine Engineering and GME.

Section B - English and Aptitude

100 MCQs covering:

- Numerical Reasoning and Data Interpretation
- Verbal Reasoning
- Non-verbal Reasoning (Spatial and Abstract Reasoning)
- Geography
- English

**Special consideration will be given during the interview stage to candidates possessing NCC 'A', 'B', or 'C' certificates.**