

## SYLLABUS FOR UG

Syllabus for DNSLeading to Nautical Science/B.Sc Nautical Science/ Maritime  
Science/Shipbuilding and Repair/B.Tech Marine Engineering/ Naval Architecture and  
Ocean Engineering (CET) Total Marks = 200

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|---|-----------|
| <b>1. ENGLISH</b>   | <b>25</b> |
| <ul style="list-style-type: none"><li>• Parts of Speech</li><li>• Synonyms and Antonyms</li><li>• Meaning of words/phrases</li><li>• Tenses</li><li>• Phrasal verbs</li><li>• Idioms</li></ul>  |           |
| <b>2. GENERAL KNOWLEDGE</b>   | <b>25</b> |
| <b>3. GENERAL APTITUDE</b>  | <b>25</b> |
| <u>Questions should be 10 +2 standard level</u>   |           |
| Critical Reasoning, Word Groups, Instructions, Structural Analysis, Syllogism (Logic based questions), Fill in / Completion of series based on Pattern / Logic, Data Sufficiency, Data Interpretation, Pipes & Cisterns, Odd Man Out, Boat & Streams, Numerical Computation, Numerical Estimation, Time & Work, Calendar, Clocks, Stocks, Time & Distance, Height & Distance, Quantitative Aptitude, Analytical Reasoning, Logic Reasoning, Fault Diagnosis, Abstract Reasoning, Mechanical Reasoning, Mixture & Allegation, Ratio, Numerical Reasoning |           |
| <b>4. PHYSICS</b>   | <b>50</b> |
| +2 State Boards and CBSE Syllabus   |           |
| <b>5. MATHEMATICS</b>   | <b>50</b> |
| +2 State Boards and CBSE Syllabus   |           |
| <b>6. CHEMISTRY</b>   | <b>25</b> |
| +2 State Boards and CBSE Syllabus   |           |

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**SYLLABUS FOR PG**  
**MBA(CET)**

**Total Marks = 200**

- 1. ENGLISH** **30**
- Parts of Speech
  - Synonyms and Antonyms
  - Meaning of words/phrases
  - Tenses
  - Phrasal verbs
  - Idioms
- 2. GENERAL KNOWLEDGE** **30**
- 3. GENERAL APTITUDE** **30**
- Questions should be Under Graduate Degree level
- Abstract Reasoning, Logic Reasoning, Mixture and Allegation, Numerical Reasoning, Quantitative Aptitude, Time and Distance, Clocks, Time and Work, Numerical Computation, Odd Man Out, Data Interpretation, Fill in or completion of series based on Logic / Pattern, Structural analysis, Word Groups, Critical Reasoning, Instructions, Stocks, Height & distance, Quantitative aptitude, Analytical Reasoning, Fault diagnosis, Mechanical Reasoning, Ratio, Syllogism (logic based questions), Data sufficiency, Pipes & Cisterns, Boat and Streams, Numerical Estimation, calendar
- 4. BASIC ACCOUNTING** **20**
- Introduction to Accounting Basics – Accounting Basics – Income Statement – Balance Sheet – Assets – Balance Sheet – Liabilities – Major Accounting Assumptions: Accrual and Going Concern – Other Underlying Assumptions in Accounting: Time Period, Monetary Unit and Accountancy Entity – Accounting Elements: Assets, Liabilities
- 5. ELEMENTS OF ECONOMICS** **30**
- Capital –Absolute advantage- Balance of trade – Bank, Commercial – Business(firm) – Private profit- seeking organizations that use resources to produce goods and services- Capital – Capital resources- Circular flow of goods and services (or Circular flow of economic activity) – Comparative advantage – Consumers – People whose wants are satisfied by consuming a good or a service. Depression – Distribution – Macroeconomics – Microeconomics – Profit – Recession
- 6. MARITIME AFFAIRS** **30**
- Ports – Introduction to ports – Berths – Wharf – Major Ports – Non Major Ports – Ship – Merchant Vessel – Deck – Crane- Hatch – Yard – Containerization- TEU’s-Dry Port – CFS-ICD- Locations of Port –Chartering – Steam Agent-C & F Agent.
- 7. BASIC MATHS** **30**
- Algebra – Ratio – Proportion – Number system – Polynomials – Variations – Percentage

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- 1. ENGLISH** **30**
  - Parts of Speech
  - Synonyms and Antonyms
  - Meaning of words/phrases
  - Tenses
  - Phrasal verbs
  - Idioms
  
- 2. GENERAL KNOWLEDGE** **30**
  
- 3. GENERAL APTITUDE** **30**

Questions should be Under Graduate Degree level

Abstract Reasoning, Logic Reasoning, Mixture and Allegation, Numerical Reasoning, Quantitative Aptitude, Time and Distance, Clocks, Time and Work, Numerical Computation, Odd Man Out, Data Interpretation, Fill in or completion of series based on Logic / Pattern, Structural analysis, Word Groups, Critical Reasoning, Instructions, Stocks, Height & distance, Quantitative aptitude, Analytical Reasoning, Fault diagnosis, Mechanical Reasoning, Ratio, Syllogism (logic based questions), Data sufficiency, Pipes & Cisterns, Boat and Streams, Numerical Estimation, calendar
  
- 4. LAW OF CONTRACT** **10**
  - Meaning and definition of contract
  - Essential elements of contract
  - Performance of contract
  - Breach and remedies for the breach of contract
  - Specific contracts
  
- 5. LAW OF TORTS** **10**
  - Nature and definition of torts
  - Fault-based liability; strict liability
  - Vicarious liability
  - Joint tort feasons
  - Negligence
  
- 6. BASIC PRINCIPLE OF INTERNATIONAL LAW** **10**
  - Sources and development of international law, present status
  - International law and Municipal law
  - The subjects of international law
  - Individual criminal responsibility in international law
  - Recognition
  - Territory
  - Jurisdiction and immunity from jurisdiction

- Law of the sea
- State responsibility
- Law of International organization

**7. LAW OF TREATIES 10**

- Making of treaties
- Formalities
- Consent by Signature, consent by exchange of instruments, consent by ratification, consent by accession
- Reservation to treaties
- Entry in to force of treaties
- Application of treaties
- Invalidity of treaties
- Termination of Treaties

**8. INTELLECTUAL PROPERTY RIGHTS 10**

- Concept of intellectual property
- Kinds of intellectual property
- Economic importance of intellectual property

**9. PROPERTY LAW 10**

- Meaning and definition of movable and immovable property
- Transferable immovable property
- Capacity to transfer
- Operation of transfer
- Sale of immovable property
- Rights and liabilities of seller and buyer before and after completion of sale
- Difference between sale and contract for sale

**10. JURISPRUDENCE 10**

- Nature and concept of Law
- Analytical School of Jurisprudence
- Historical School of Jurisprudence
- Philosophical School of Jurisprudence

**11. ENVIRONMENTAL LAW 10**

- Constitutional provisions on environment and its protection
- General principles of environmental law
- EPA 1986
- Law on marine pollution

**12. INDIAN LEGAL HISTORY 10**

- Administration of justice in India 1639-1726
- Adalat system – beginning of the Adalat system; reorganization of the adalat system

- Judicial measures of Cornwallis; Criminal judicature after Cornwallis
- Adalat system in Bengal; judicial system beyond Bengal
- Present judicial system

**13. INDIAN CONSTITUTIONAL LAW**

**10**

- Preamble
- Fundamental Rights
- Directive Principles of State Policy
- Judicial Review of administrative action
- Public interest Litigation
- Power of courts

**14. SALE OF GOODS ACT 1930**

**10**

- Formation of Contract
- Effects of Contract
- Performance of Contract

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