NDA Free Study Notes

National Defence Academy & Naval Academy Examination — conducted by UPSC. Prepared by PracticeMockTest (practicemocks.in). Always confirm details in the official notification.

Exam pattern

Written: Mathematics (300) and General Ability Test (600)
SSB: Two-stage intelligence and personality assessment, 900 marks

Syllabus checklist

- ☐ Mathematics
- ☐ English
- ☐ Physics, Chemistry
- ☐ History, Geography, Current Events

Study plan tips

1. Read the official notification first and note eligibility, dates and the exact pattern.
2. Split the syllabus into weekly targets; finish each topic with 20–30 practice questions.
3. Take one full timed mock test every week, then review every wrong answer.
4. Keep a one-page formula/fact sheet per subject and revise it daily.
5. In the last month, focus on mocks, revision and previous-year papers from the official site.

Practice questions with solutions

1. Value of $\sin^2\theta + \cos^2\theta$ is:
A. 0 B. 1 C. 2 D. Depends on θ

Answer: B. This is the Pythagorean identity; it equals 1 for every θ.

2. Number of subsets of a set with 4 elements:
A. 8 B. 12 C. 16 D. 24

Answer: C. A set with n elements has 2^n subsets: $2^4 = 16$.

3. Which mirror is used as a vehicle rear-view mirror?
A. Concave B. Convex C. Plane D. Cylindrical

Answer: B. A convex mirror gives an upright, wider field of view.

4. Choose the correctly spelt word:
A. Accomodate B. Acommodate C. Accommodate D. Acomodate

Answer: C. Correct spelling: 'accommodate' — double c, double m.

5. The National Defence Academy is located at:
A. Dehradun B. Khadakwasla C. Ezhimala D. Chennai

Answer: B. NDA is at Khadakwasla, near Pune, Maharashtra.

Take full-length NDA mock tests free at practicemocks.com