

AJMVPS

NEW ARTS, COMMERCE AND SCIENCE COLLEGE, AHMEDNAGAR

(AUTONOMOUS)

CENTER FOR ADVANCED STUDIES IN APPLIED SCIENCES (CASAS)

COMMON ENTRANCE TEST (CET) – 2026-27

Syllabus

CET Pattern	
Total number of questions	100
Total marks	100
Duration	60 min
Number of attempt per student	01

Note:

- Applicants can attempt the test within the given time slot.
- The exam time (60 min) will be considered from the time the student starts solving questions.
- No negative marking.
- Probable date of CET Exam will be First week of June. However, exact date of CET will be communicated on college website , through email or sms and whatsapp messgaes on contact information given by student on Admission form.
- **For Practice of CET Exam, Demo link will be scheduled Students are advised to practice for exam using demo link on the same date.** Probable date of CET demo Exam will be communicated on college website , through email or sms and whatsapp messgaes on contact information given by student on Admission form.

Syllabus for CET	
Students with Mathematics at 12th	Section 1: Numerical Ability / Quantitative Aptitude Section-2: Logical Reasoning Section-3: General Mental Ability Section 4: Mathematical Aptitude
Students <u>without</u> Mathematics at 12th	Section 1: Numerical Ability / Quantitative Aptitude Section-2: Logical Reasoning Section-3: General Mental Ability

Section wise Detailed Syllabus

Section-1: Numerical Ability / Quantitative Aptitude

1. Averages
2. Interest
3. Heights and Distances
4. Profit and Loss
5. Discount
6. Time and distance Series
7. Time & Work
8. Calendar
9. Clocks
10. Height & Distances
11. Odd Man Out & Series
12. Bar Graphs
13. Pie Charts
14. Line Graphs
15. Numbers
16. Fractions problems
17. Numbers and Ages
18. Percentage problems
19. Ratio & Proportion
20. Mixture and Allegation

Section-2: Logical Reasoning

1. Logic
2. Statement-argument
3. Statement-assumption
4. Statement conclusion
5. Drawing conclusions from passages
6. Theme detection
7. Question-statement
8. Miscellaneous Logical Puzzles

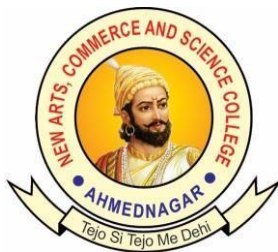
Section-3: General Mental Ability

1. Analogy
2. Classification
3. Series Completion
4. Coding – decoding
5. Blood relation
6. Puzzle test
7. Sequential output tracing
8. Direction sense test
9. Logical Venn Diagrams
10. Alphabet test
11. Number, Ranking, and Time Sequence test
12. Mathematical Operation
13. Logical sequence and Word
14. Arithmetical Reasoning
15. Inserting and Missing Character
16. Data Sufficiency
17. Decision Making
18. Assertion and Reason
19. Situation Reaction test
20. Verification of truth of the statement

Section IV: Mathematical Aptitude

1. Mathematical Logic
2. Matrices
3. Trigonometric functions
4. Pair of straight lines
5. Circle
6. Conics
7. Vectors
8. Three-dimensional geometry
9. Line
10. Plane
11. Linear programming problems
12. Continuity
13. Differentiation

14. Applications of derivative
15. Integration
16. Applications of definite integral
17. Statistics: Probability distribution



CENTER FOR ADVANCED STUDIES IN APPLIED SCIENCES (CASAS)

COMMON ENTRANCE TEST (CET) – 2026-27

General instructions:

- Online Common Entrance Test (CET) forms will be available on college website from Thursday, 5/5/2026
- Probable date of CET Exam will be First week of June. However, exact date of CET will be communicated on college website, through email or sms and whatsapp messages on contact information given by student on Admission form.
- Online Common Entrance Test (CET) will be conducted for following below mentioned four Academic Degree Programmes:

Academic Degree Programmes under CASAS

B.Sc.(Data Science)

B.Sc.(Cloud Computing)

B.Sc.(Computer Science)

(Here in after above four Academic Degree Programmes will be mentioned as **Academic Programmes**)

- The dates to fill **Online Common Entrance Test** form along with entrance fee **Rs.500/-** (online payment only) are from **5-5-2026**.

Intake Capacity for Degree Programmes :

Sr.No.	Degree Programmes	On Merit Basis	Management Quota	Total
1.	B.Sc. (Data Science)	72	08	80
2.	B.Sc. (Cloud Computing)	72	08	80
3.	B.Sc. (Computer Science)	144	16	160

• **Instructions to fill Online Common Entrance Test Form:**

1. For all the academic programmes of CASAS only one Online Common Entrance Test form is to be filled.
2. Student has to fill all fields in the form.
3. Fees for online Common Entrance Test is Rs.500/- (Five Hundred only) payable in online payment mode only.
4. Duly filled Application forms with Entrance Fees Paid are considered for admission process.
5. Incomplete forms or unpaid fees forms will be rejected.
6. Student has to select the preference for the above listed programmes.
7. Student with Mathematics at HSC can opt for all four academic programmes.
8. Student without Mathematics at HSC can opt for academic programme - B.Sc. Cloud Computing.
9. **In Application form in place of Permanent Registration Number enter your 12th Exam seat Number**

- The admission to Academic Programmes for the year 2026-27 will be given strictly on the basis of the merit (on the basis of the 30% of marks of Entrance Test – 2026-27 and 70% marks secured in H.S.C Exam) and rules of reservation.
- Admissions will be confirmed / finalized on the basis of the performance, preference given by candidates, category wise available seats as per the reservation norms. (If two or more candidates have equal score in the merit list, then the marks scored in the HSC exam will be considered for finalizing the admission.)

Important Dates:

Activity	Important Dates
Submission of Online Common Entrance Test.	From 5-5-2026
Demo of Online Common Entrance Test.	Communicated Soon....
Final of Online Common Entrance Test.	Communicated Soon....

- **Note:** Further instructions for Online Common Entrance Test will be communicated through college official website : www.newartscollege.ac.in.
- **Regularly check the Website and your registered mail id for further Notifications.**
- It is necessary for every applicant to appear for Demo of Online Common Entrance Test to understand the process.

In case of any query/doubts, please feel free to contact:

CASAS Admission Committee:	
Prof. Arun Gangarde	9422224440
Prof. Priyamvada Patil	9423793223
Prof. Bhartee Danave	9403710000