

FAQs on Sr. Secondary Academic Elective ‘Applied Mathematics(241) ’

Q.1. What is the difference between the subjects of ‘Mathematics (041)’ and ‘Applied Mathematics (241)’ at Sr. Secondary Level?

Ans: The existing Mathematics (041) for Senior Secondary is a course meant for students to pursue pure Mathematics/Physical Sciences/Engineering at University Level. However, there are many students who want to learn Mathematics which is useful for better performance in their selected subjects; ‘Applied Mathematics’ is meant for such students and the curriculum focuses on the Application of Mathematics.

Q.2. Will this lead to dilution of Mathematics syllabus/teaching at Sr. Secondary Level?

Ans: No, the idea is to offer an option for those Sr. Secondary students who wish to learn Mathematics as per the requirements of their areas of study such as Business/Economics/Finance/Life Science etc in future careers in a different format.

Q.3. Can a student opt for both ‘Mathematics (041)’ and ‘Applied Mathematics’?

Ans: No. There is only one option, either Mathematics or Applied Mathematics.

Q.4. To continue Mathematics as a subject for higher education, which course will a student need to pass?

Ans: Both courses have their own uniqueness. Students who want to opt for Mathematics/Physical Science/Engineering subjects at the University level as an Elective or want to take admission in Mathematics Honors course or Engineering and Technology course may take Mathematics (041). The Applied Mathematics course is designed to enhance the knowledge and skills of Mathematics required to be successful in other different fields of their future career and may be selected by keeping this in mind.

Q.5. If a student fails in Mathematics (041) in the Board Examination, will the student be allowed to take up Applied Mathematics(241) or vice versa during compartmental examination?

Ans: No. These are two different courses and one is not a substitute for the other.

Q.6 If a student has passed Basic Mathematics in Grade X, can he/she offer 'Applied Mathematics' at Sr. Secondary Level?

Ans: Yes, a student who has passed Basic Mathematics at Secondary level can offer Applied Mathematics at Sr. Secondary level. This option is now available due to introduction of Applied Mathematics. However, such students cannot offer Mathematics (041) at Sr. Secondary Level.

Q.7 Can a student who has passed Standard Mathematics in Grade X, offer Applied Mathematics at Sr. Secondary level ?

Ans: Yes. A student who has passed Standard Mathematics in class X can also offer Applied Mathematics at Sr. Secondary Level.

Q.8 Is Applied Mathematics a skill subject or Academic elective study?

Ans: The earlier skill subject by the same name, that is, Applied Mathematics will be discontinued from the Academic session 2020-21. Class XI standard students under Skill Education Scheme of Applied Mathematics in the academic session 2019-20, will now be allowed to opt only for Academic Elective subject of Applied Mathematics in the session 2020-21.

Q.9 What is the difference between earlier Applied Mathematics(840) as skill subject and this newly introduced Applied mathematics(241) as an Academic Elective?

Ans: The focus of any skill subject is on a particular job role. However Applied Mathematics as an elective focus on Mathematics as a discipline with special emphasis on its applications.

Q.10 I took Applied Mathematics (840) as Skill subject in Grade XI. Now I am in Grade XII. What happens now?

Ans: All the students who have offered Applied Mathematics (840) as a Skill subject at class XI can automatically offer it as an Academic elective in class XII.

Q.11 I took Applied Mathematics (840) as a skill subject in XI. Can I shift to Applied Mathematics (241) in XII?

Ans: Yes, if you have already opted this subject in class XI during 2019-20.

Q. 12. Can I apply for Applied Mathematics as a skill subject in class 11 in the 2020-21 academic session?

No one will be able to offer Applied Mathematics as skill subject in class XI from the academic session 2020-21.

Q.13 How I can get the Sample Papers and Q.P designs of Applied Mathematics?

Ans: Sample papers and Blue Print based on the curriculum for 2020-21 will be made available on: www.cbseacademic.nic.in, in due course of time.

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