

Last Minute Tips to Qualify CSIR - NET in Chemical Sciences



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Dear Student friends, you must be seriously involved in NET preparation as exam is just days away. We are giving the following tips which you can use during CSIR NET to be held on 16th December, 2018. You can use them in the case if you like them.

1. Be positive for next few days. You must know that positive attitude is the most essential thing for qualifying NET exam. I suggest you to say “I am going to qualify CSIR-NET on coming Sunday” at least for 100 times till you go to the exam. You will be surprised to see result of saying these positive affirmations. When I told some students to do this, most of them qualified NET. Interesting thing was that they have not done very good study as compared to others. Still they qualified NET. This is because when these students went to exam saying I am going to pass NET this time, they were asked majority of questions from those topics which were studied by them. There were very few questions on the topics which they could not study. So be positive. Remember that you are very brilliant and you are going to qualify NET. This is because you have spent your whole life till now to get mastery of your subject. May be if you have not studied for last few days does not mean that you have not studied at all. You can read my blog “Being Thangamangan” which is a story of student who qualified CSIR NET with top rank without a good preparation. I am sure you will be inspired by the blog. The blog is on my facebook page (Gajanan Rashinkar) as well as it is pinned below this blog.

2. Many students usually take tension of the topics that they could not study. Don't worry about what you have not studied. Instead, concentrate on what you have studied.

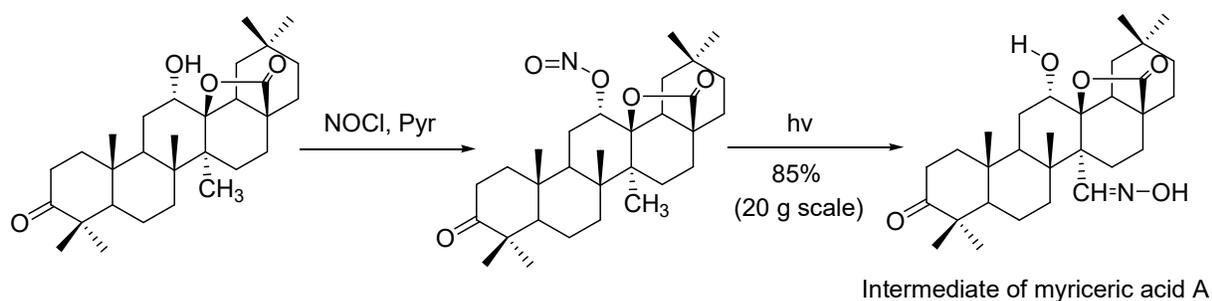
3. If you believe that hard work leads to success in NET then you are misunderstood. Remember, most of the questions in NET are based on reasoning. A student with proper rational thinking can only solve questions in NET. This thinking usually is developed from our study. Some students have in born rational thinking ability and therefore such students qualify NET in spite of very less study.

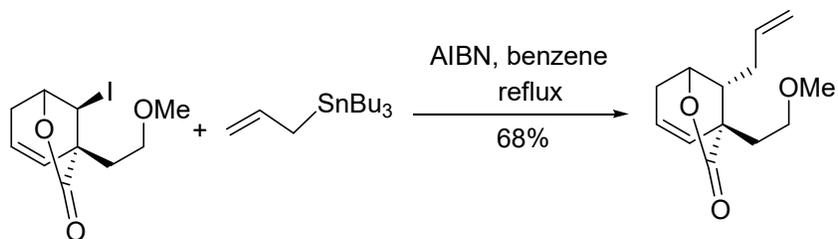
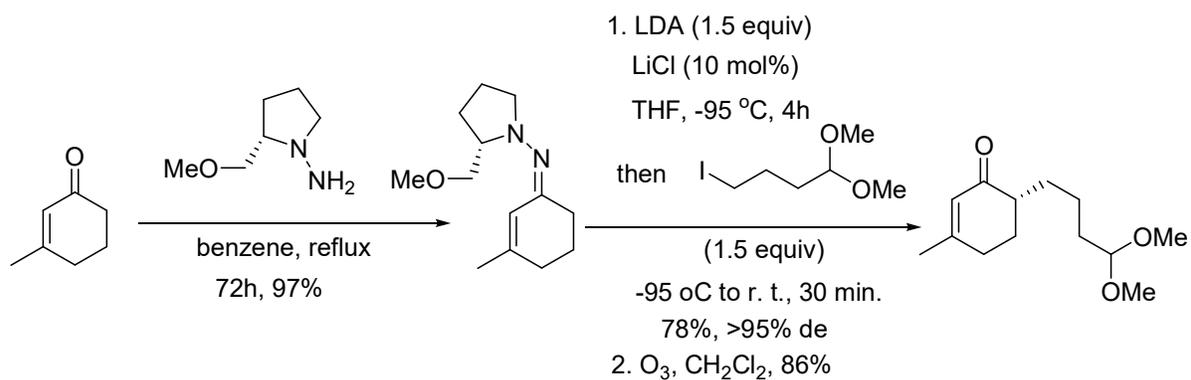
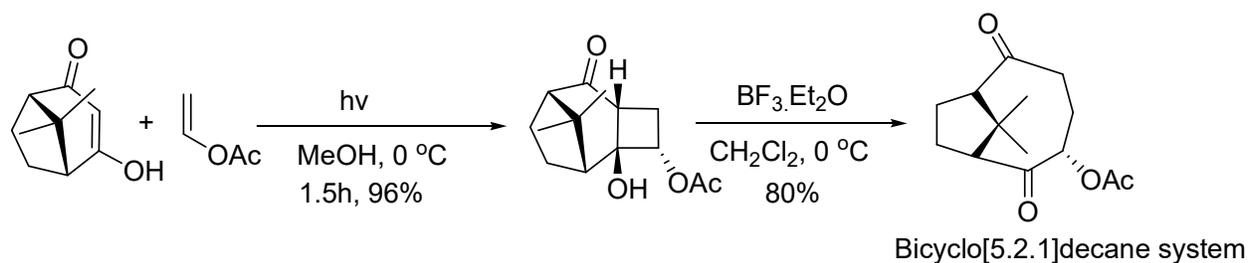
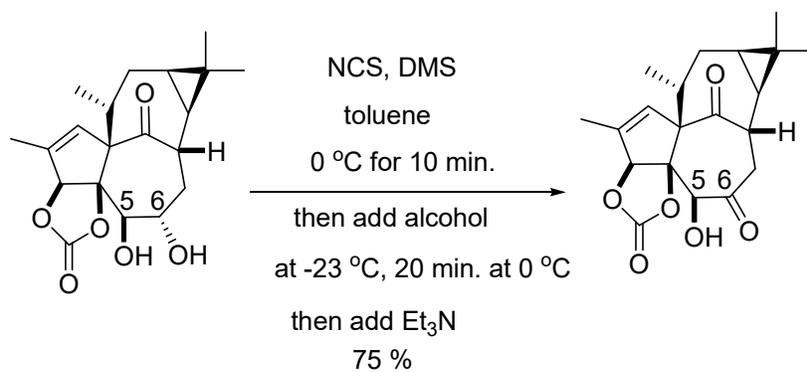
Many of you belong to this type category. So be happy and determined as you have in-born rational thinking ability which is going to help you to qualify NET this exam.

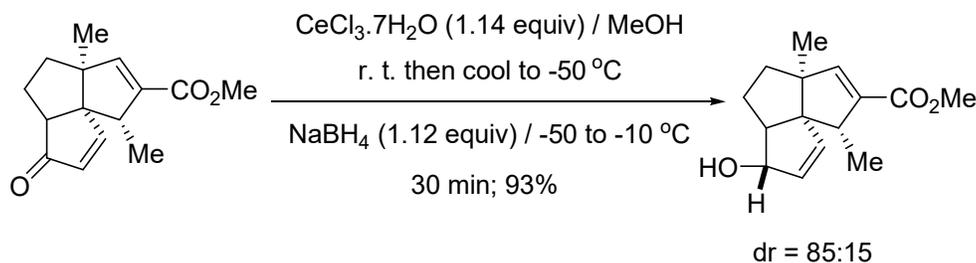
4. Do you know that there are key areas in every topic on which there is more possibility of asking questions. Identify those key areas and study them. For example, In coordination and organometallic chemistry, We have identified few points on which one can find questions in CSIR NET every year.

- 1) CFSE, Term Symbol.
- 2) Spectrochemical Series.
- 3) Magnetic Properties.
- 4) Jahn Teller distortion.
- 5) Orgel Diagram, Electronic Excitation
- 6) Inner and Outer sphere Mechanism.
- 7) Spinal & Inverse Spinal
- 8) Reaction Mechanism
- 9) LMCT- MLCT transition & d-d transition.
- 10) Isomerism., shape & Geometry.

5. Organic chemistry students who are appearing for M. Sc. and going for this NET should note this key point. Remember that most of organic reactions involve big structures with lot of stereochemistry. Do not run away from such reactions. It is not essential that reactions involving stereochemistry are always difficult. I have given some organic reaction that involve big structures and stereochemistry. You will realise that these reactions are not very difficult.







You must have realized that these reactions are not so difficult as they observe at first instance.

6. For solving questions in NET we require **“Skill and Will approach”** along with rational thinking and positive attitude. Skill means our ability to solve applicative questions on the basis of theoretical knowledge that we have. This is because most of questions asked in NET are the ones which we have never seen earlier in our life. They are completely new. At first look, most of us feel that we will not be able to solve them as we find them extreme difficult level in these questions. Don't run away from such questions. It is time to prove yourself. You are winner and you have to prove that by solving such difficult questions. In solving such examples, we have to apply the basic knowledge that we have. These questions are very challenging as we have to answer them by considering more than one aspect. So, apply your basic knowledge to solve such questions. Many a times we have to create new knowledge on the basis of basic knowledge that we have (Think of Blooms Taxonomy while solving various questions: It means that Some questions can be solved by simply remembering theory. Some questions can be solved by understanding the question properly and applying the knowledge accordingly whereas we need to analyse, evaluate and create knowledge to solve some difficult questions). Think very strongly and rationally at every question. Sometimes, after so much of thinking, we arrive at the right answer while sometimes it becomes difficult to arrive at correct answer. If you are 80 % sure about answer, I suggest you to write it in the answer book. If you are too much suspicious, then don't write that in answer book since negative marking can create problem.

Let me tell you the story of Muhammad Ali which can help you to solve questions which are extremely difficult. This story relates with strong will of Muhammad Ali which made him heavy weight champion. When Ali won his first championship, people from press came and asked him his success story. He said “I won because of my skills and will. My will was stronger than skill and thus it made me champion. The great words of Muhammad Ali are true for NET also. You must have a skill and will to win but will must be stronger than skill. When Muhammad Ali use to fall down

during boxing, he used to say that I have applied all skills but still I have fallen down and, in these circumstances, his will use to help him. His inner voice use to say, Come on, rise up, you can do it, you have to do it if you want to become champion. He use to accrue (sum up) his all energy and use to rise up and use to fight rest of battle knocking down the opponent. He has won so many fights doing this. So when your chemistry knowledge (skills) wont help you to solve some of questions that are very difficult, just repeat Ali's story with yourself. It means that, when your chemistry knowledge wont help you to solve question in NET, say your self, yes I can do it as god has gifted me the best of rational thinking and again try solving the same problem and you will find yourself with the answer of that question.

7. I suggest you to take some food (light) prior to exam. I think all of you know that glucose is very necessary for our brain to work properly.

8. The most important thing that you should follow is dont leave the exam hall till exam timings are finished. As the exam timing is 2 to 5 pm, I suggest you to leave the hall only by 5.00 pm (please check exam time). If you are finished, keep sitting there struggling with the questions which you could not solve.

9. As there are three hours, you can make three rounds for solving the paper.

Round I: 1.30 hr

Round II: 1.00 hr

Round III: 30 minutes

10. Initially, as soon as you get the paper, start for round I. In this round, I suggest you to solve very simple questions which require very less time. For example, If there is a spectroscopy problem or questions related to group theory, then they take lot of time for solving. I suggest you to solve such questions in second round. If you feel that question is going to require more time to solve, then avoid it and go to next question.

Most of us can complete first round in 90 minutes. If you can solve 5 questions form section A, 10 from section B and even 8 from section C in the round I, it is more than enough.

11. In round II, solve the difficult questions or questions requiring more time. You are already aware of such questions in the question paper because you have identified such questions in Round I and hence there will be no problem in identification of such questions. I have very strong suggestion to make for those who are going to solve organic questions. Please dont see the options immediately. For example, I am solving one question where the product of reaction is asked. What I will do is I

will directly try to find the product of rough page. Once I find the product, then I will see whether such an answer is there in the option. What most of us do is, we see the options immediately and therefore get confused. If you can solve 5 questions in section B, and 4 in section C in this round, it is more than enough.

12. In round III, you have to struggle for some difficult questions which you can't solve. It will be brain torture for you, but you have to accept the challenge and try to apply the chemistry knowledge that you have to solve such questions. In this round, you should try to solve maximum number of questions. I suggest you not to dare to write the answer till you are at least 80 % sure about answer because of negative marking. If you can solve 5 questions in section B, and 3 in section C in this round, it is more than enough. This round will decide your success in NET because these questions can be solved only by students who apply extreme knowledge with intense rational thinking.

13. The questions in NET are not very easy to solve. Each question is going to be torture to your brain. Solve with proper reasoning. Use rough pages because sometimes, we need them.

14. Nobody knows what is the passing merit is but I feel one should always try for at least 110 + marks in NET exam since it is a good target that can enable you to at least get LS. My strategy given in Points 7-9 enables you to solve 5 questions in Section A, 20 questions in Section B and 15 Questions in Section C which give 110 marks.

15. Keep trying till the last minute of exam. Try hard and remember try try but don't cry. Almighty is watching you from sky and he will start helping you only when he sees that you are trying very hard. Remember, it's one of the most important exam of your life. You must win it as it is going to give very prosperous future. Trying till last moment may help you to score few marks. Remember, I have seen peoples falling by one mark. Thus, every mark is very important.

Most imp. Tip. (If you want to avoid confusion, don't look at the options of organic reactions immediately. If a product of any reaction is asked, what most of us do is immediately, we look at the option and this causes confusion since we feel that all the four options are correct. Instead, if we work out for product and then see the options then we come to a sound conclusion. Remember, each mark is precious so fight for it.)

16. For those who have casually prepared for NET: I suggest such students to have faith in yourself and hope for the best. Remember, hope is essential fibre of heart that cannot be rationalized or logically reasoned. Hope lies dormant until its amazing strength is called upon, empowering us to overcome the burden of situations. Hope makes it possible for us to persevere and endure anything that comes our way. When our hope is strong, we are attuned with the source of all creation. Our

presence becomes like a magnet that attracts the highest and best possibilities. Hope is what makes our dream come true. Thus, I suggest all the students who have casually prepared to go with hopes and show your best performance.

These are our suggestions. You can use them if you like.

We wish you all the best. We apologize for any errors in the article. We have written this article with the intention to help our student friends who are preparing for NET. You can refer Adichemistry and Emmanuel videos on you tube for better preparation.

Thank you!

Being Thangamangan

Being Thangamagan (NET Aspirants must read): Good evening, It has been almost a year when I had written a last blog for NET aspirants. As this year is going to be crucial for me since next year I am planning to go abroad for my post-doctoral research, I have decided to empower NET aspirants by writing a series of blogs. Let me introduce myself to newly joined friends and followers. I am working as an Assistant professor at the Department of Chemistry, Shivaji University in Kolhapur. After qualifying National Eligibility Test (NET) and State Eligibility test (SET) with record number of times with the ambition of placing my name in Guinness Book of World Records, I started guiding NET aspirants thinking that I am worthy of it. I started NET/SET counselling (free of charge) very seriously when I realized that probably it is the work that God has assigned me to do (My mother says that God has sent everybody on earth with some purpose and this made me to realize that the almighty has sent me for NET counselling). I have spent 16 year of my life in NET/SET guidance and research. Let me share with you my status today. Each day I get more than 3500 messages on Whatsapp and 1000 messages on facebook. My email account is flooded with 60000 emails which I am trying to answer. I think this much information is sufficient to prove my attachment and dedication with NET aspirants. After spending more than one decade in NET/SET, I have realized that NET/SET are very easy exams. I have noticed that many of NET aspirants, in spite of tremendous potential, are not able to pass these exams due to lack of proper guidance. I personally believe that STUDY OR KNOWELGDE is not the only factor that can give success in these exams. I feel that Study/knowledge contributes only 50 % in clearing NET. There are several other factors which play vital role (50 % contribution) in clearing NET/SET which students are unaware of (I am soon going to write blogs about this). During last 16 years of my connection with NET aspirants, I have got so many strange experiences that I am thinking about writing a book after my retirement, and I am sure that the book will be the best seller. Amongst various experiences, I thought to share one of the most exciting and shocking experience that I have experienced with one of NET aspirants whom I met accidently. I still remember that it was December-15 CSIR NET exam where I had been to a NET centre in Pune to boost up confidence of my students. I was giving last minute tips to my students below a tree near the exam centre. All my students were carefully listening to me and promised me that they will put in their best in the exam, and left to

their exam halls. One of the student who was unknown to me was watching the whole event carefully. When all students left, he approached me and asked me curiously that Who was I ? and What I was telling students? When I introduced myself, he was excited and asked me whether I can help him also? When I nodded my head saying yes , he said he will visit me next week in Shivaji University, Kolhapur. I thought to help him for the NET exam that was being conducted on the same day and therefore asked him whether I can offer him some tips for NET which he was going to appear after a few minutes. He denied for offer saying that he has just came casually for the exam and hasn't read anything due to his M. Sc. Exams. When I asked him saying that "Do you want to clear today's NET?", he got highly surprised and replied saying that he hasn't literally read even a single page for the exam. After realizing that fellows too much negative attitude, I decided to ask him in a different manner. I asked him saying that "Will you like to clear this NET?", he looked strangely at me saying that "Do you have a plan to appear on my seat number?" suggesting me that it is the only way how he can clear that NET. I denied his offer of me appearing on his seat number. I told him that there is another way to qualify NET. The fellow turned very curious and asked me to tell that as early as possible as there were few minutes left to start the exam. I asked him to close his eyes and remember the face of the person whom he loves most. The fellow thought for a moment and suddenly his eyes were filled with tears. He started telling me that he loves his mother the most justifying that he lost his father when he was in Vth standard. After his father's death, his mother who was illiterate took the charge of the house, and started serving as maid servant (washing clothes and utensives at others houses) to run the house. He said that his mother had taken tremendous efforts for him since all he has required huge amount of money to get post-graduation degree in Chemistry. I told him that your mother had done so much for you throughout her life and today is golden opportunity to do something that can make her feel proud of you and make her realize that whatever efforts she had taken for educating you haven't gone in vein. The fellow was now filled with lot of enthusiasm. He said that he hasn't done anything for his mother till now. He promised me saying that he will qualify today's NET for making his mother proud. When I offered him important tips, he denied saying that they were not required not saying that he has enough determination since it was a question of his mother's pride. He went to the exam hall. I could not meet the fellow after the exam and I had forgotten the whole event after a couple of days. Today evening (when CSIRNET result was declared) I received a call from the same fellow saying that he has qualified CSIR-NET with JRF with All India Ranking-12. He thanked me saying that he has proved himself and now his mother is very proud of him. The first word that I spelled from my mouth was "Thangamangan" and there was a story behind this word. [I had been to Bangaluru for an academic assignment which lasted for four days. One evening, Me and my colleagues went to watch a movie to a theatre which was close to the lodge where we resided. The name of the movie was Thangamangan which was casted by South Superstar Dhanush. As the movie was in a southern language, I did not understand any of the dialogues. I was just watching pictures as I could neither speak nor understand Kannada. When the movie was finished, I asked my colleagues what the movie was about. They started laughing at me wondering that how could I sit for three hours when I could not understand the language. They told me the meaning of Thangamangan is a "Golden Son"]. I realized that this fellow is a real Thangamangan as he has qualified NET without any preparation to make his mother proud. I knew several students who failed that NET in spite of preparation for several years. However, this fellow, without any preparation, cleared NET for the sake of his mother without any preparation. When I introspect this event, I really get in puzzle wondering that what might have worked on that day. Is it his mother's blessing or his hidden potential that he was unaware off. Whenever, I remember this event I feel that he must already have had sufficient wisdom that is required to qualify NET. However, when he remembered the face of

the person whom he loved most (in this case his mother) must have given him strength and confidence required to qualify NET. This event has taught me a big lesson. When you believe that you want to qualify NET for the person whom you love the most, you gain everything that is required to qualify NET. I believe that NET gives one of the biggest opportunities to make your parents feel proud of you and prove that you are a THANGAMANGAN. I apologize for grammar and presentation errors.

