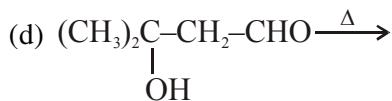
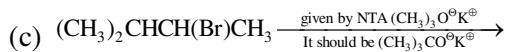


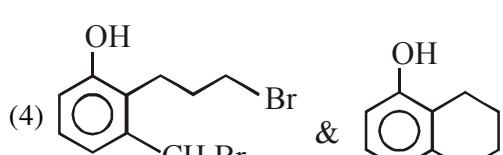
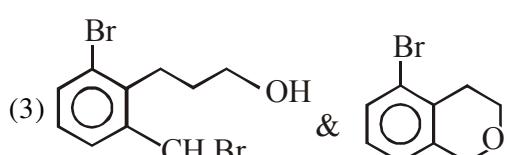
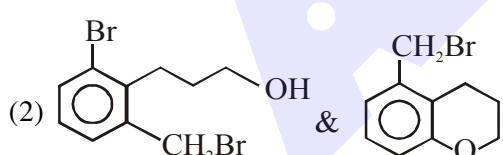
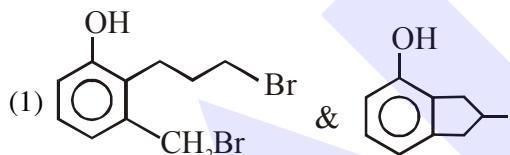
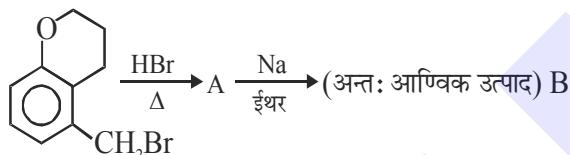
ALCOHOL & ETHER

- #### **1. निम्न अभिक्रियाओं पर विचार कीजिएः**

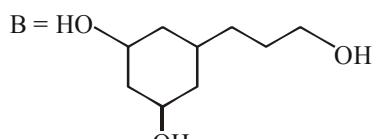
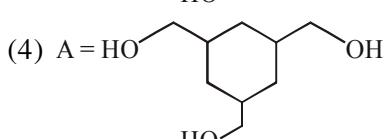
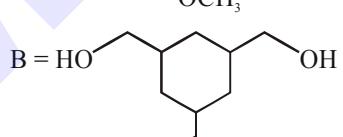
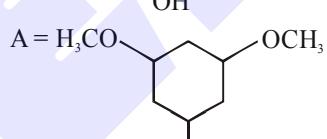
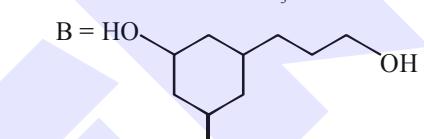
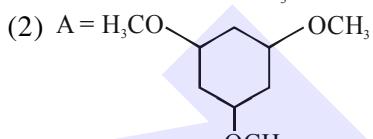
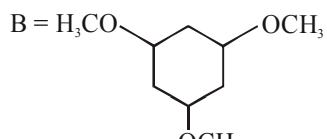
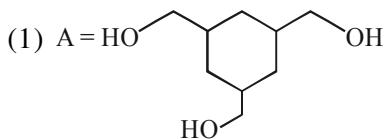


इन अभिक्रियाओं में से कौन सी सेटजेफ उत्पाद नहीं बनायेगी/बनायेंगी ?

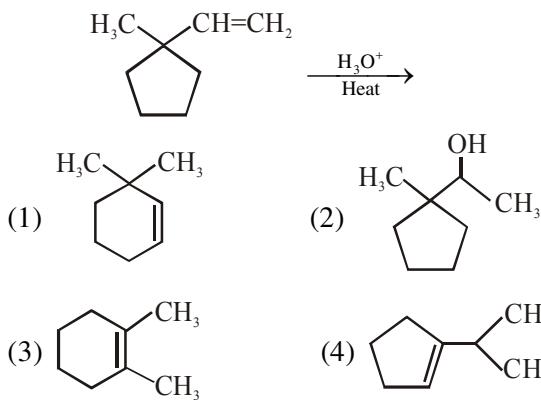
2. निम्नलिखित अभिक्रिया अनुक्रम में A तथा B की संरचनाएँ
क्रमशः होंगी :-



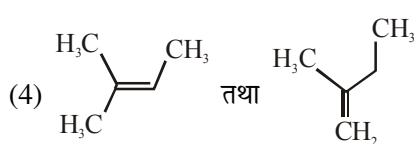
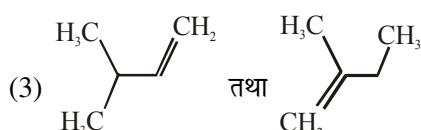
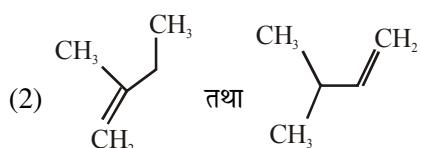
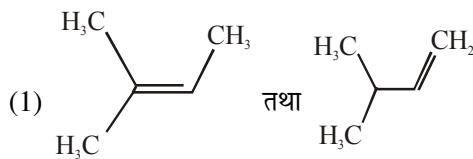
3. यौ A तथा B, जिनका आण्विक सूत्र $C_9H_{18}O_3$ है, में से B की अपेक्षा A का क्वथनांक अधिक है। A तथा B की संभावित संरचनाएँ हैं:



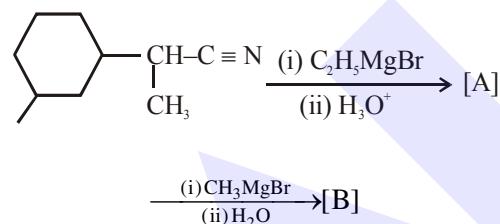
4. निम्न अभिक्रिया में मुख्य उत्पाद है :



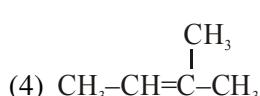
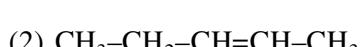
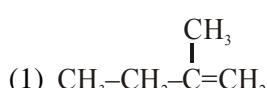
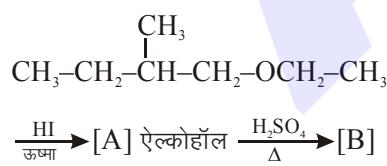
5. जब निम्नोपेन्टिल ऐल्कोहॉल को एक अम्ल के साथ गर्म किया जाता है तो यह धीरे-धीरे A तथा B के क्रमशः 85 : 15 के एक मिश्रण में परिवर्तित हो जाता है। ये ऐल्कीन क्या हैं?



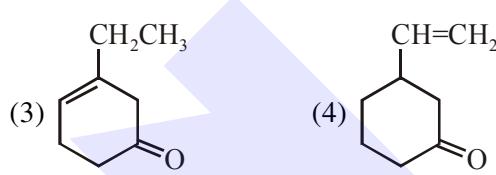
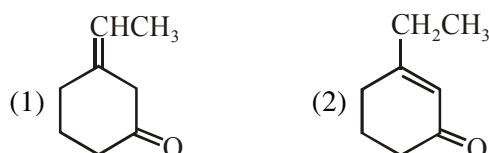
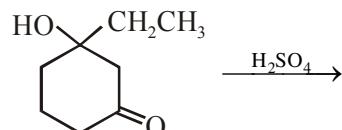
6. [B] में उपस्थित किरेल केंद्रों की संख्या है _____.



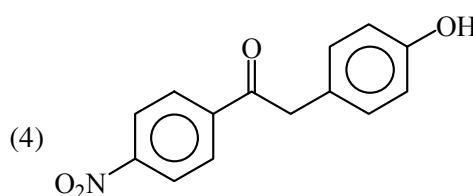
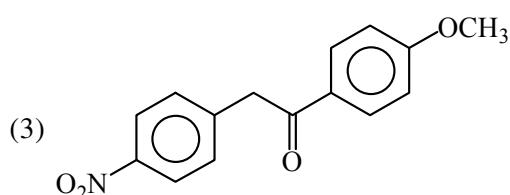
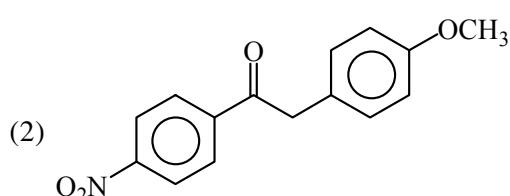
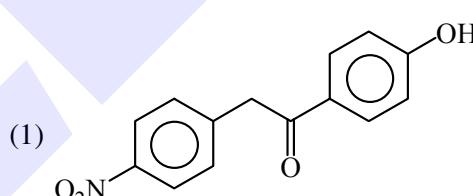
7. निम्नलिखित अभिक्रियाओं में मुख्य उत्पाद [B] है :-



8. निम्नलिखित अभिक्रिया का मुख्य उत्पाद है :



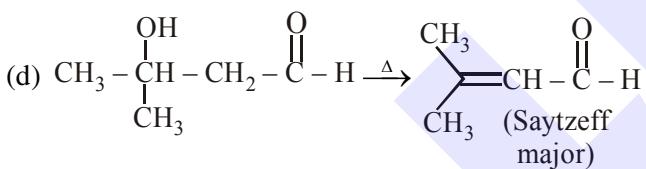
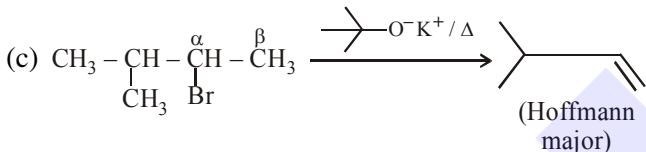
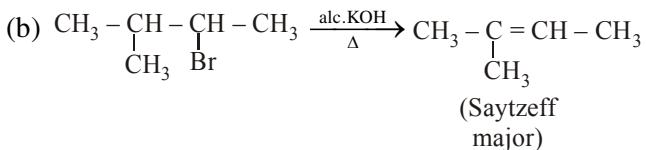
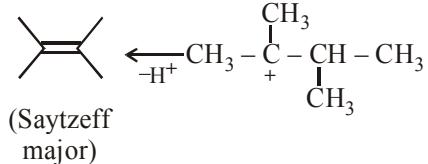
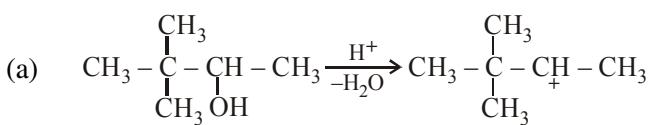
9. निम्न अभिक्रिया से प्राप्त होने वाला मुख्य उत्पाद है :



SOLUTION

1. NTA Ans. (1)

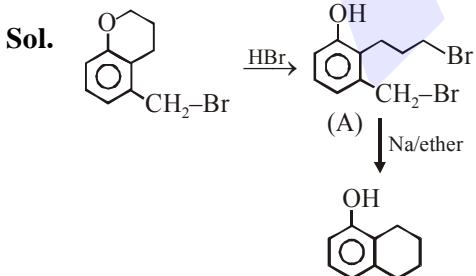
Sol.



$(\text{CH}_3)_3\text{O}^- \text{K}^+$ is incorrect representation of potassium tert-butoxide $[(\text{CH}_3)_3\text{CO}^- \text{K}^+]$.

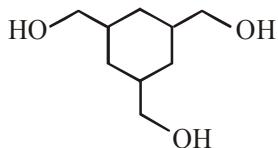
So it is possible that it can be given as **Bonus**

2. NTA Ans. (4)

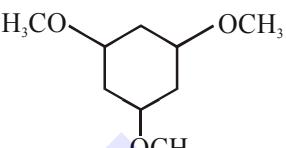


3. NTA Ans. (1)

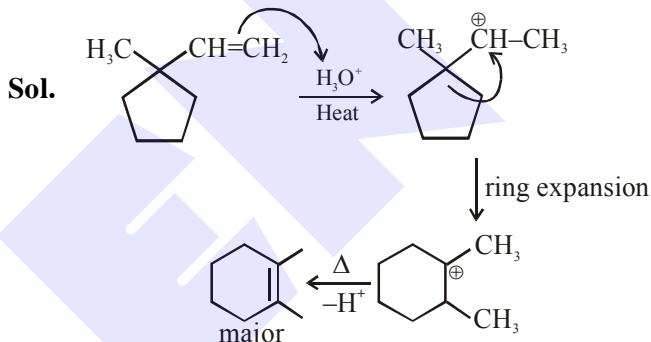
Sol. Alcohol has more boiling point than ether (due to hydrogen bonding). So,



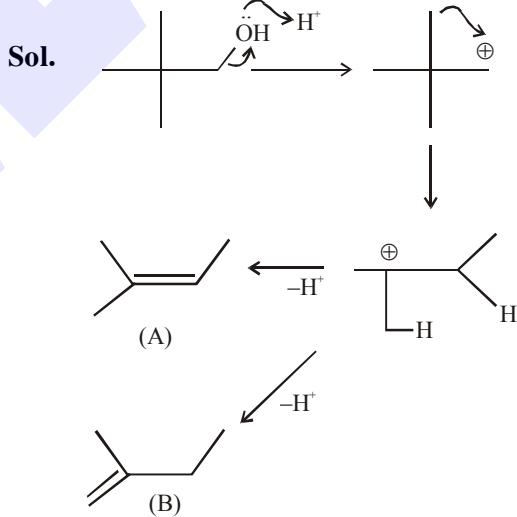
has more boiling point than



4. Official Ans. by NTA (3)

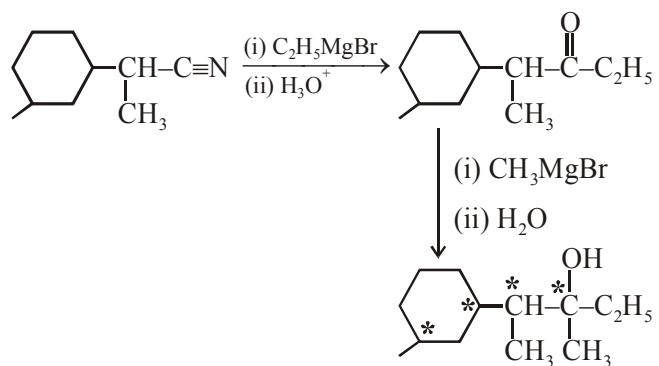


5. Official Ans. by NTA (4)

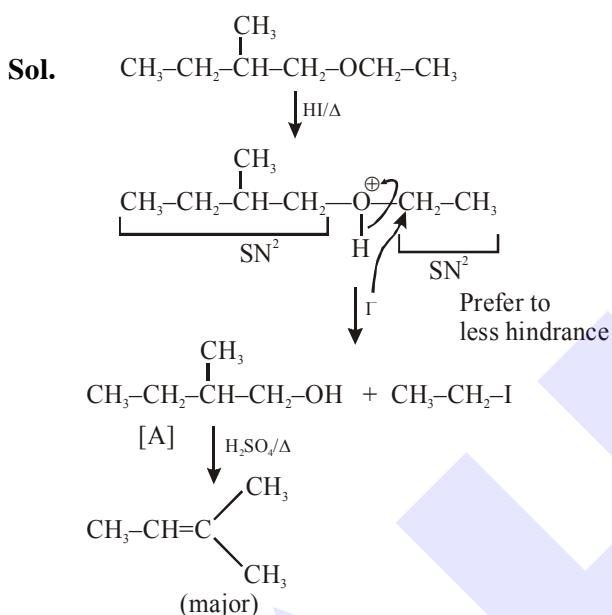


6. Official Ans. by NTA (4)

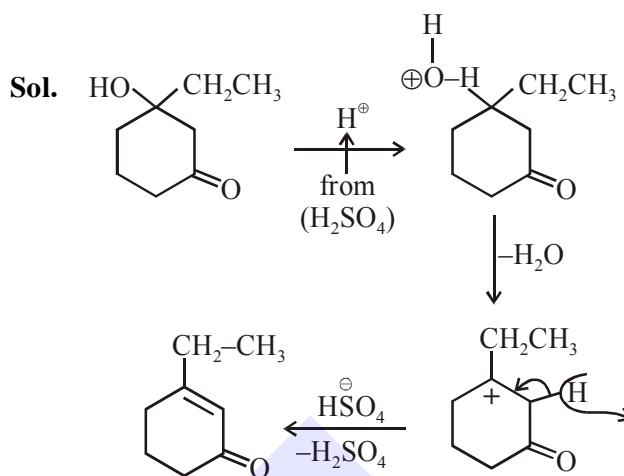
Sol.



7. Official Ans. by NTA (4)



8. Official Ans. by NTA (2)



9. Official Ans. by NTA (3)