

PART-2: CHEMISTRY**SECTION-I (i): (Maximum Marks: 12)**

- This section contains FOUR (04) questions.
- Each question has FOUR options (A), (B), (C) and (D). ONLY ONE of these four options is the correct answer.
- For each question, choose the option corresponding to the correct answer.
- Answer to each question will be evaluated according to the following marking scheme :

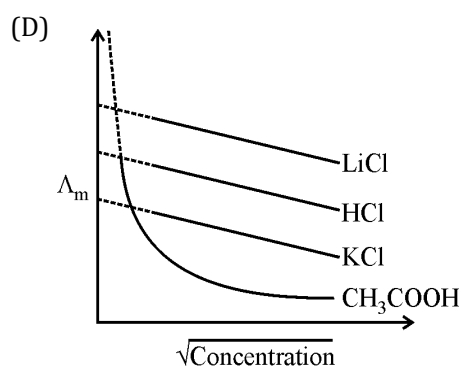
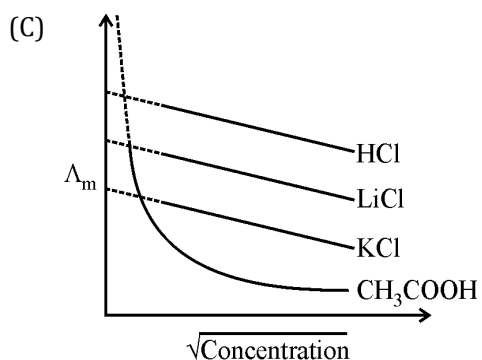
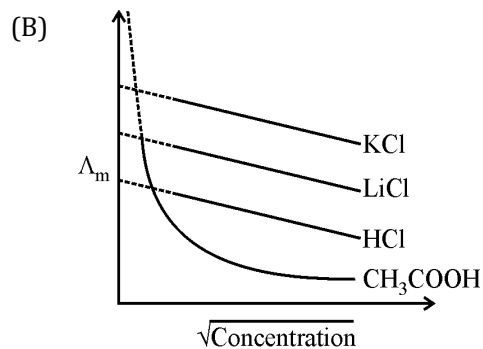
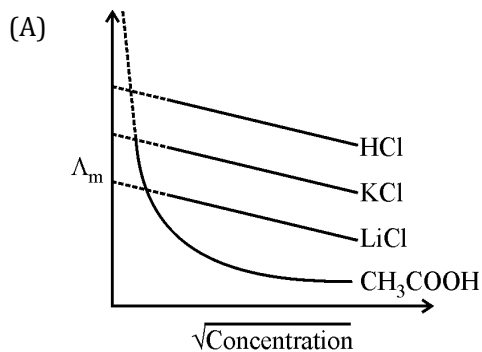
Full Marks : +3 If ONLY the correct option is chosen.

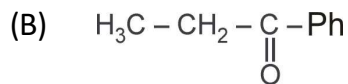
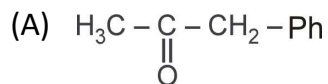
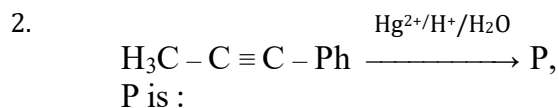
Zero Marks : 0 If none of the options is chosen

(i.e. the question is unanswered)

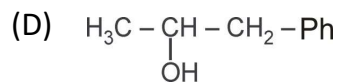
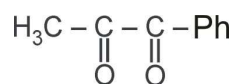
Negative Marks: -1 In all other cases

1. Select the correct option for following aqueous solutions:





(C)



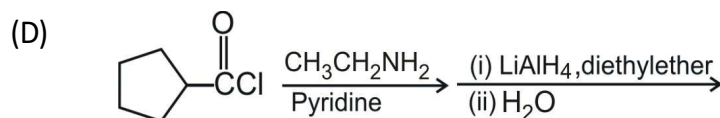
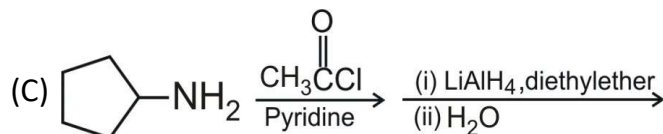
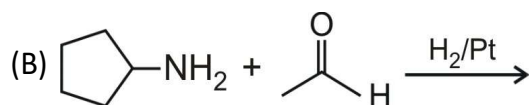
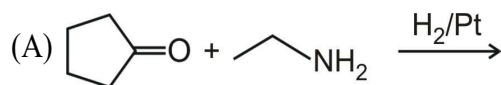
3. Alkaline solution of (X) ----- NaBO_3 -----> Canary yellow coloured solution

Acidic solution of (Y) ----- NaBiO_3 -----> Lilac coloured solution

(X) & (Y) are respectively:-

- (A) $\text{Fe}(\text{OH})_3, \text{Mn}(\text{OH})_2$
 (B) $\text{Cr}(\text{OH})_3, \text{Pb}(\text{OH})_2$
 (C) $\text{Fe}(\text{OH})_3, \text{Zn}(\text{OH})_2$
 (D) $\text{Cr}(\text{OH})_3, \text{Mn}(\text{OH})_2$

4. Among the following, which reaction will not give N-ethylcyclopentylamine as major product?



SECTION-I (ii) : (Maximum Marks: 12)

- This section contains THREE (03) questions.
- Each question has FOUR options. ONE OR MORE THAN ONE of these four option(s) is (are) correct answer(s).
- For each question, choose the option(s) corresponding to (all) the correct answer(s)
- Answer to each question will be evaluated according to the following marking scheme:

Full Marks:	+4	If only (all) the correct option(s) is (are) chosen.
Partial Marks:	+3	If all the four options are correct but ONLY three options are chosen.
Partial Marks:	+2	If three or more options are correct but ONLY two options are chosen and both of which are correct.
Partial Marks:	+1	If two or more options are correct but ONLY one option is chosen and it is a correct option.
Zero Marks:	0	If none of the options is chosen (i.e. the question is unanswered).
Negative Marks:	-2	In all other cases.
