

## JEE MAIN ALCOHOLS, PHENOLS AND ETHERS — REACTIONS OF ALCOHOLS AND PHENOLS INVOLVING CLEAVAGE OF O–H BOND — PYQS

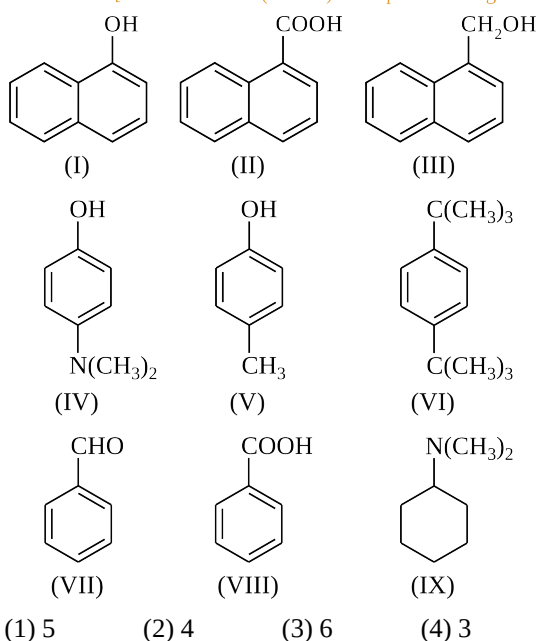
Max. Marks: 12

Questions: 3

### Section A (MCQ) — 3 questions

**Q.1** Amongst the following, the total number of compounds soluble in aqueous NaOH at room temperature is:

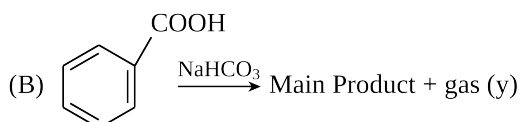
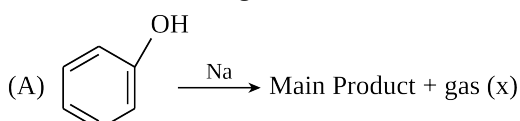
[JEE Main 2026 (Online) 4th April Morning Shift]



Scan or tap for the full solution



**Q.2** Consider the following two reactions A and B.



Numerical value of [molar mass of x + molar mass of y] is \_\_\_\_\_

[JEE Main 2026 (Online) 24th January Morning Shift]

(1) 46      (2) 160      (3) 88      (4) 4

Scan or tap for the full solution



**Q.3** A hydroxy compound (X) with molar mass  $122 \text{ g mol}^{-1}$  is acetylated with acetic anhydride, using a large excess of the reagent ensuring complete acetylation of all hydroxyl groups. The product obtained has a molar mass of  $290 \text{ g mol}^{-1}$ . The number of hydroxyl groups present in compound (X) is:

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(1) 2      (2) 4      (3) 3      (4) 5

Scan or tap for the full solution



### ANSWER KEY

| Ques. | 1 | 2 | 3 |  |  |  |  |  |  |  |  |  |  |
|-------|---|---|---|--|--|--|--|--|--|--|--|--|--|
| Ans.  | 1 | 1 | 2 |  |  |  |  |  |  |  |  |  |  |