

# JEE Main 2026 April 6 Shift 1 Chemistry

## Question Paper

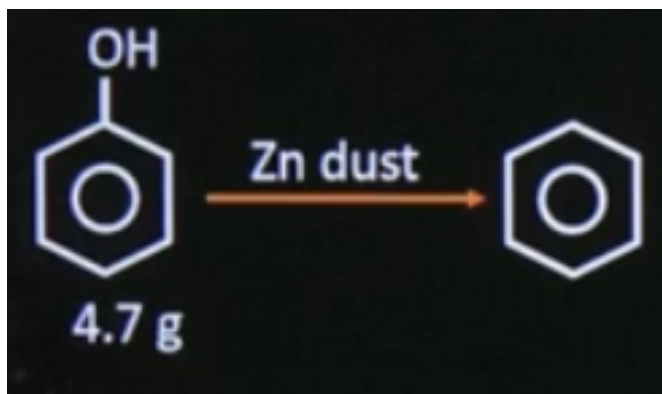
Conducted by National Testing Agency (NTA)



### General Instructions

- (i) The test is of 3 hours duration.
- (ii) This test paper consists of 75 questions. Each subject (PCM) has 25 questions. The maximum marks are 300.
- (iii) This question paper contains Three Parts. Part-A is Physics, Part-B is Chemistry and Part-C is Mathematics. Each part has only two sections: Section-A and Section-B.
- (iv) Section - A : Attempt all questions.
- (v) Section - B : Attempt all questions.
- (vi) Section - A (01 – 20) contains 20 multiple choice questions which have only one correct answer. Each question carries +4 marks for correct answer and –1 mark for wrong answer.
- (vii) Section - B (21 – 25) contains 5 Numerical value based questions. The answer to each question should be rounded off to the nearest integer. Each question carries +4 marks for correct answer and –1 mark for wrong answer.

1. Consider the reaction:



Find the number of moles of benzene formed if the efficiency of reaction is 60%.

- (A) 0.05  
 (B) 0.06  
 (C) 0.03  
 (D) 0.04

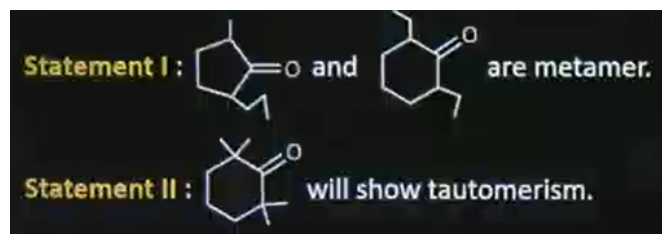
2. Match the following:

Column I		Column II	
(A)	Scurvy	(P)	Pyridoxine
(B)	Convulsions	(Q)	Vitamin A
(C)	Cheilosis	(R)	Ascorbic acid
(D)	Xerophthalmia	(S)	Riboflavin

- (A) (A)-(R), (B)-(P), (C)-(S), (D)-(Q)  
 (B) (A)-(P), (B)-(R), (C)-(Q), (D)-(S)  
 (C) (A)-(R), (B)-(Q), (C)-(P), (D)-(S)  
 (D) (A)-(S), (B)-(P), (C)-(R), (D)-(Q)

3. Sucrose hydrolyses in acidic medium to form glucose and fructose which follows first order kinetics. If the half-life of sucrose is 3 hrs, find the % of sucrose left after 6 hrs.

4. Given below are two statements:



- (A) Both Statement I and Statement II are correct  
 (B) Statement I is incorrect, Statement II is correct  
 (C) Statement I is correct, Statement II is incorrect

(D) Both Statement I and Statement II are incorrect

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**5. For tetrahedral complex, the correct order of energy of  $d$ -orbitals is:**

(A)  $d_{xy} = d_{xz} > d_{x^2-y^2}$

(B)  $d_{xy} = d_{yz} > d_{zx}$

(C)  $d_{x^2-y^2} > d_{z^2} > d_{xz}$

(D)  $d_{x^2-y^2} = d_{z^2} < d_{xy} = d_{yz} = d_{xz}$

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