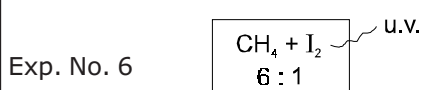
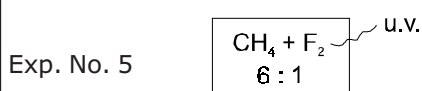
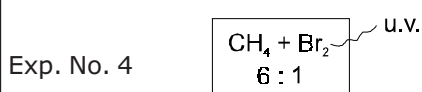
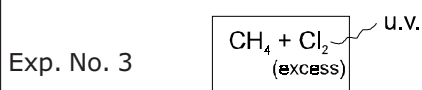
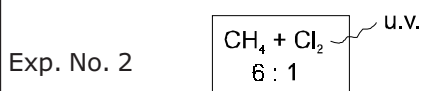
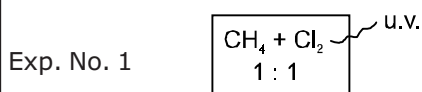


Please read following **SHORT WRITE UP** and **ANSWER** subsequent questions :

Study following experiments then answer following questions:



Q.1 What is the correct order of rate of reaction in different experiments ?

- (A) Exp 1 > Exp 5 > Exp 4
(B) Exp 5 > Exp 2 > Exp 4
(C) Exp 4 > Exp 6 > Exp 5
(D) Exp 1 = Exp 4 = Exp 5

Q.2 Some HCl is added during the reaction in exp 2 and some HF is added during the reaction in exp 5 then which statement(s) is/are correct ?

- (A) Rate of reaction in exp 2 retards.
(B) Rate of reaction exp 2 remain almost unaffected.
(C) Rate of reaction in exp 5 retards.
(D) Rate of reaction in exp 5 remains almost unaffected.

Q.3 If in exp 4 some DBr is added what will be observed ?

- (A) Some deuterated methane will be observed
(B) Rate of reaction slows down.
(C) More CH_3Br will be formed.
(D) No change takes place.

Q.4 Which experiment will mainly result in formation of CH_3Cl ?

- (A) Exp 1 (B) Exp 2
(C) Exp 3 (D) All

Q.5 Which experiment should be almost a failure to yield a halogenated product ?

- (A) Exp 5 (B) Exp 6
(C) Exp 1 (D) Exp 3

Q.6 Which of the followings can give better yield in experiment no. 6 ?

- (A) HgO (B) HNO_3
(C) HIO_3 (D) None of these

Q.7 Which of the following statement(s) is/are true?

- (A) Experiment 5 may lead to an explosion.
(B) To run experiment 6 & 4 safely, reaction is to be diluted with N_2 gas.
(C) In all experiment if ROOR is used in place of u.v. light same products can be achieved.
(D) Presence of oxidizing agent in Exp 6 may result more iodinated product.

Q.8 Which of the following order of bond strengths is/are correct-

- (A) $\text{H-F} > \text{H-Cl} > \text{H-Br} > \text{H-I}$
(B) $\text{H-F} < \text{H-Cl} > \text{H-Br} > \text{H-I}$
(C) $\text{Cl}_2 > \text{F}_2 > \text{Br}_2 > \text{I}_2$
(D) $\text{Cl}_2 > \text{Br}_2 > \text{F}_2 > \text{I}_2$

Q.9 Addition of DF, DCl, DBr in exp. no. 5, 2 & 4 respectively yield CH_3D in various amounts what is correct order of amount of CH_3D formed-

- (A) $5 > 2 > 4$ (B) $4 > 2 > 5$
(C) $2 > 4 > 5$ (D) $2 = 4 = 5$

CHEMISTRY IIT JEE (CLASS TEST - 10) (ORGANIC) ANSWER KEY

Name : Date :

	A	B	C	D		A	B	C	D		A	B	C	D
1	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	4	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	7	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	5	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	8	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	6	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	9	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

ANSWER KEY (ORGANIC CLASS TEST - 10)

Que.	1	2	3	4	5	6	7	8	9
Ans.	B	A,D	A,B	B	B	A,B,C	A,C,D	A,D	B