

DELHI PUBLIC SCHOOL JAMMU

SESSION 2021-22

UNIT: HALOALKANES AND HALOARENES

ASSIGNMENT: CHEMISTRY

Q1. Which of the following is a secondary alkyl halide?

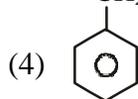
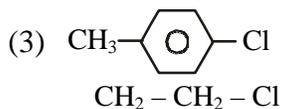
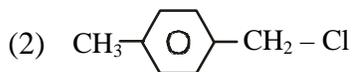
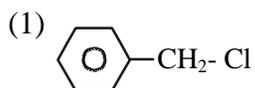
- (1) Isobutyl chloride
- (2) Isopentyl chloride
- (3) Neopentyl chloride
- (4) Isopropyl chloride

Q2. The IUPAC name of the compound

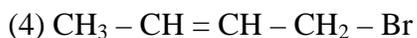
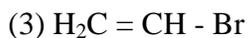
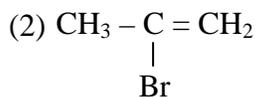
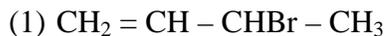


- (1) 4-Bromobut-2-ene
- (2) 1-Bromobut-2-ene
- (3) 3-Bromobut-2-ene
- (4) Allyl bromide

Q3. Which of the following may be classified as an aryl halide?



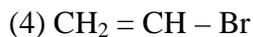
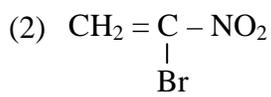
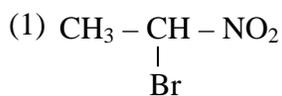
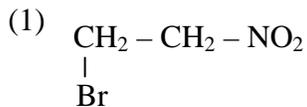
Q4. Which of the following belongs to the class of vinyl halides?



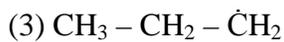
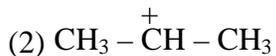
Q5. The addition of HBr is easiest with

- (1) $\text{CH}_2 = \text{CH} - \text{Cl}$
- (2) $\text{Cl} - \text{CH} = \text{CH} - \text{Cl}$
- (3) $\text{CH}_3 - \text{CH} = \text{CH}_2$
- (4) $(\text{CH}_3)_2\text{C} = \text{CH}_2$

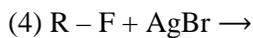
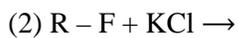
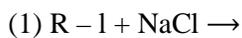
Q6. $\text{CH}_2 = \text{CH} - \text{NO}_2 + \text{HBr} \rightarrow \text{P}$; The major product 'P' is

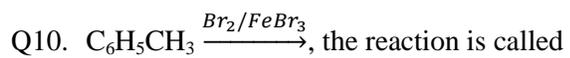
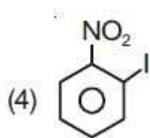
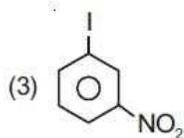
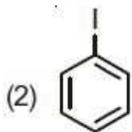
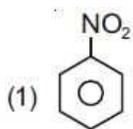
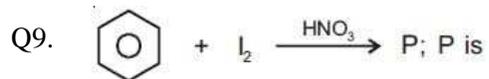


Q7. The intermediate during the addition of HCl to propene in presence of peroxide is



Q8. Which of the following halogen exchange reaction will occur in acetone?





- (1) Nucleophilic substitution
- (2) Free radical addition
- (3) Electrophilic substitution
- (4) Free radical substitution