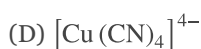
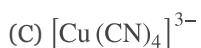


## Examrace

## National Standard Examination in Chemistry (NSEC) Solved Paper 2016 Part-12

Get unlimited access to the best preparation resource for HBCSE-Olympiad : [get questions, notes, tests, video lectures and more](#)- for all subjects of HBCSE-Olympiad.

Q: 54. Cyanide ion is a very good complexing agent and also functions as a reducing agent. Hence many cyanide complexes of metals are known. Addition of an aqueous solution of KCN to a solution of copper sulphate yields a white precipitate which is soluble in excess of aqueous KCN to form the complex:



Answer: (C)

Q: 55. When a certain metal was irradiated with light of frequency  $3.2 \times 10^{16}$  Hz, the photoelectrons emitted had twice the kinetic energy as did the photoelectrons emitted when the same metal was irradiated with light of frequency  $2.0 \times 10^{16}$  Hz. The  $\nu_0$  of the metal is

(A)  $2.4 \times 10^{16}$  Hz

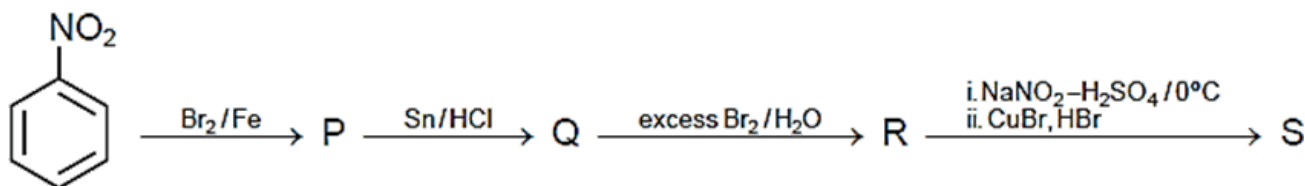
(B)  $8.0 \times 10^{16}$  Hz

(C)  $8.0 \times 10^{15}$  Hz

(D)  $7.2 \times 10^{16}$  Hz

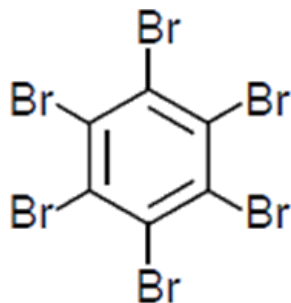
Answer: (C)

Q: 56. The major product 'S' of the following reaction sequence is



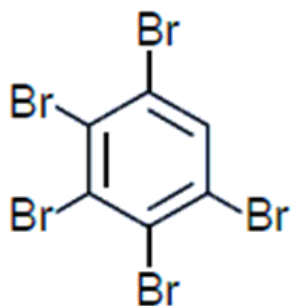
©Examrace. Report @violations @<https://tips.fbi.gov/>

(A)



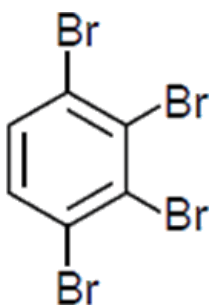
©Examrace. Report @violations @<https://tips.fbi.gov/>

(B)



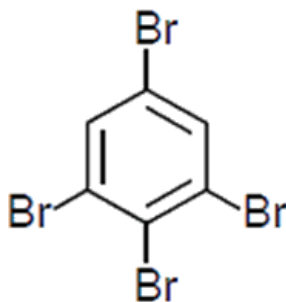
©Examrace. Report @violations @<https://tips.fbi.gov/>

(C)



©Examrace. Report @violations @<https://tips.fbi.gov/>

(D)



[©Examrace. Report ©violations @https://tips.fbi.gov/](https://tips.fbi.gov/)

Answer: N/A

For detailed explanations and answers visit - [NSEC Answers with detailed explanations](#)

Developed by: [Mindsprite Solutions](#)