

**Question 1**

(b) Mg, Si, S, Ar

**Question 2**

(b) 29

**Question 3**

(c) Brown vapours of bromine is obtained at the anode

**Question 4**

(b) Electronegativity

**Question 5**

(c) It does not contain any free ions

**Question 6**

(d)  $B_2A_3$

**Question 7**

(a) 2.5

**Question 8**

(b) Acid salt

**Question 9**

(c) reddish brown

**Question 10**

(a) number of valence electrons

**Question 11**

(d) Carbon tetrachloride

**Question 12**

(a) two atoms of W

**Question 13**

(c) lose an electron and gets oxidized

**Question 14**

(c) Water

**Question 15**

(d)  $P_3Q_6$

**Question 16**

(c)  $H_3PO_4$

**Question 17**

(c) Cupric ions

**Question 18**

(a)  $OH^-$

**Question 19**

(b)  $C_2H_2$

**Question 20**

(d) excess Ammonium hydroxide

**Question 21**

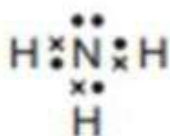
(d) Electricity is conducted in an acid solution by ions

**Question 22**

(a) metal

**Question 23**

(c)



**Question 24**

(c) salt and water

**Question 25**

(b) a solution of sodium chloride in water

**Question 26**

(b)  $NH_4^+$

**Question 27**

(c) covalent

**Question 28**

(a) increases

**Question 29**

- (c) acetic acid

**Question 30**

- (b) Sodium oxide

**Question 31**

- (a) strong acid

**Question 32**

- (a) 3

**Question 33**

- (c) Hydrogen and a non-metal other than oxygen

**Question 34**

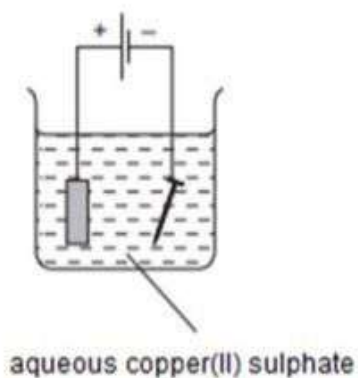
- (b)  $\text{Fe}^{2+} - 1\text{e}^- \rightarrow \text{Fe}^{3+}$

**Question 35**

- (a) Calcium nitrate

**Question 36**

- (a)



**Question 37**

- (i) (b) C and D
- (ii) (c) B and E
- (iii) (c) C
- (iv) (b) B