

CHAPTER

6

TRANSITION ELEMENTS

MULTIPLE CHOICE QUESTIONS

9. The strength of binding energy of transition elements depend upon:

- | | |
|----------------------------|-------------------------------|
| (a) No. of \bar{e} -pair | (b) No. of unpaired \bar{e} |
| (c) No. of neutron | (d) No. of proton |

10. Mild steel contain carbon:

- | | |
|----------------|----------------|
| (a) 0.1 – 0.2% | (b) 0.2 – 0.7% |
| (c) 0.1 – 1.0% | (d) 17 |

11. To prevent corrosion, iron pipes carrying drinking water are covered with Zn by process called:

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|---------------------|--------------------|
| (a) Alloy formation | (b) Electroplating |
| (c) Galvanizing | (d) Soldering |

12. No. of \bar{e} -pairs accepted by the central atom in a transition metal complex is called:

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|--------------------------|---------------------------|
| (a) Co-ordination sphere | (b) Co-ordination complex |
| (c) Co-ordination number | (d) Chelate |

13. Group VIB of transition elements contains:

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|----------------|----------------|
| (a) Zn, Cd, Hg | (b) Fe, Ru, Os |
| (c) Cr, Mo, W | (d) Mn, Te, Re |

14. Which of the following is a typical transition metal:

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|--------|--------|
| (a) Sc | (b) Y |
| (c) Ra | (d) Co |

15. Co-ordination number of Pt in $[Pt Cl(NO_2)(NH_3)_4]^{2-}$ is:

- | | |
|-------|-------|
| (a) 2 | (b) 4 |
| (c) 1 | (d) 6 |

answers

1.	(c)	2.	(c)	3.	(b)	4.	(d)	5.	(d)
6.	(c)	7.	(b)	8.	(a)	9.	(b)	10.	(a)
11.	(c)	12.	(c)	13.	(c)	14.	(d)	15.	(d)