ARJUNA (NEET)

STRUCTURE OF ATOM

DPP-10

1.	Which one of the following orbitals is
	spherical in shape?

- (A) 4s
- (B) 3p
- (C) 3d
- (D) 4f

- (A) 20
- (B) 10
- (C) 16
- (D) 24

3. The maximum number of electrons that can be accommodated in
$$dx^2 - y^2$$
 orbital is

- (A) 10
- (B) 5
- (C) 2
- (D) 1

- (A) 0
- (B) 1
- (C) 2
- (D) 3

- (A) 4p < 3d < 4s
- (B) 4s < 4p < 3d
- (C) 4s < 3d < 4p
- (D) 3d < 4s < 4p

6. The maximum number of unpaired electrons present in
$$p_x$$
 orbital is

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

- (A) 2
- (B) 4
- (C) 6
- (D) 8

- (A) CN
- (B) N_2^+
- (C) O_2^-
- (D) N_2^-

- (A) $1s^22s^22p^63s^23p^64s^23d^7$
- (B) $1s^22s^22p^63s^23p^64s^23d^5$
- (C) $1s^22s^22p^63s^23p^63d^5$
- (D) $1s^22s^22p^63s^23p^64s^23d^6$

- (A) N^{3+}
- (B) Fe²⁺
- (C) Zn^+
- (D) Cu⁺

ANSWERS KEY

1. (A)

2. (B)

3. (C)

4. (A)

5. (C)

6. (B)

7. (B)

8. (A)

9. (D)

10. (B)





Note - If you have any query/issue



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