

**FIA** -Federal Investigation Agency

# ASSISTANT DIRECTORS'

Recruitment Test *Guide*

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# Test1

**Q1 What do we call the potential energy of surface molecules per unit area of the surface?**

- (a) Surface energy
- (b) Surface Tension
- (c) Reynolds number
- (d) None of these

**Q2 In the first 10 overs of a cricket game, the run rate was only 3.2. What should be the run rate in the remaining 40 overs to reach the target of 282 runs?**

- (a) 6.25
- (b) 6.5
- (c) 6.75
- (d) One fourth

**Q3 Long-sight defect could be corrected by using \_\_\_\_\_ lens.**

- (a) Concave
- (b) Convex
- (c) Diverging
- (d) Heart

**Q4 According to which law gas is directly proportional to temperature**

- (a) Charles Law
- (b) Boyles Law
- (c) Grams Law
- (d) None of these

**Q5 What is the smallest unit of heredity**

- (a) Chromosomes
- (b) Gene
- (c) Nucleotides
- (d) None of these

**Q6 The Beta particles are fast moving**

- (a) Protons
- (b) Electrons
- (c) Neutrons
- (d) Vitamin A

**Q7 What color does yellow and green make?**

- (a) Lime
- (b) Ocean mist
- (c) Maroon
- (d) None of these

**Q8 Which among the following live tissues of the Human Eye does not have blood vessels?**

- (a) Sclera
- (b) Cornea
- (c) Choroid
- (d) Vitamin B1

**Q9 SI unit of charge**

- (a) Ampere
- (b) Coulomb
- (c) Ohm's
- (d) None of these

**Q10 Very High Frequency (VHF) have \_\_\_\_\_ wavelengths.**

- (a) Shorter
- (b) Longer
- (c) none
- (d) liver