

**COSMOS**

**SCIENCE**

**CHAPTER WISE SOLUTION**

**Chapter 1. Exercises-**

Pg. 15 → **A.** 1. b. , 2. a. , 3. c. , 4. b. , 5. b, 6. b.    **B.** 1. Soil preparation, 2. Crumbs, 3. Fertilizers , 4. Nozzles, 5. Honey bees.    **C.** 1. True, 2. False, 3. True, 4. True, 5. True.    **D.** 1. Arabic, 2. Ploughshare, 3. Weeds, 4. Cold storage, 5. Kalyan, Sonalika.

**Chapter 2. Exercises-**

Pg. 28 → **A.** 1. a, 2. c, 3. b, 4. b, 5. b, 6. a.    **B.** 1. Microscope, 2. Rod, 3. Locomotary 4. Contaminated, 5. Bacteria.

Pg. 29 → **C.** Column B – 2, 5, 4, 3, 1.    **D.** 1. Coccus , 2. Spirogyra, Laminaria, 3. Rhizobium , 4. Streptomycin, Tetracycline, 5. Female Aedes mosquito.

**Chapter 3. Exercises-**

Pg. 37 → **A.** 1. a, 2. a, 3. d, 4. a, 5. a.    **B.** 1. Natural, 2. Fossils, 3. Plants & animals, 4. Destructive, 5. Fractional distillation.

Pg. 37 & 38 → **C.** 1. False, 2. False , 3. True, 4. True, 5. False, 6. True.

Pg. 38 → **D.** 1. Air & Water, 2. Coke, Coal tar, 3. Natural gas, petrol , 4. Fractionating column.

**Chapter 4. Exercises –**

Pg. 49. **A** → 1. d, 2. a, 3. c , 4. c, 5. b.    **B.** 1. Oxygen , 2. Carbon dioxide, 3. Low, 4. Non – luminous zone, 5. Moderate.    **C.** 1. True, 2. True , 3. False , 4. True, 5. True.    **D.** 1. Calorific value, 2. Rapid combustion, 3. Carbon monoxide, 4. Coal, wood , 5. Calorific value.

**Chapter 5. → Exercises**

Pg. 57 & 58 → **A.** 1. c, 2. b, 3. a , 4. b, 5. d

Pg. 58 → **B.** 1. Degradation & extinction, 2. Endemic, 3. Oxygen , 4. Desertification, 5. Biosphere.    **C.** 1. True, 2. True, 3. False, 4. True, 5. False.    **D.** 1. Flora, 2. Migration, 3. Extinct, 4. Red list, 5. Core zone.

**Chapter 6. → Exercises**

Pg. 67 → **A.** 1. d, 2. c, 3. a, 4. b, 5. b, 6. Both c & d.

Pg. 68 → **B.** 1. Daughter, 2. Sperm , egg , 3. Viviparous , 4. Vas defrentia, 5. Cervix.    **C.** 1. True, 2. False, 3. True, 4. False, 5. True.    **D.** 1. Spirogyra, 2. Zygote, 3. Scrotum, 4. Foetus, 5. Caesarean delivery.

**Assignment-1 (Chap. 1 to 6)**

Pg. 71 → **A.** 1. a, 2. b, 3. c, 4. a., 5. a, 6. b , 7. b, 8. a.    **B.** Column B - 2, 3, 4, 1, 5.

**Assessment - I**

Pg. 72 → **A.** 1., b, 2. b, 3. a, 4. c.    **B.** 1. Mercury, 2. Fractional distillation, 3. WCU, 4. Luminous, 5. Binary fission.    **C.** 1. Combine harvester, 2. Lactic acid, 3. Carbon & oxygen, 4. Siberian crane    5. Zygote.

**Chapter 7. → Exercises**

Pg. 80 → **A.** 1. a, 2. a, 3. d, 4. b, 5. c.    **B.** 1. Ducts, 2. Secondary, 3. Adam's, 4. Ovary, 5. Sexually Transmitted Diseases.    **C.** 1. True, 2. True, 3. True, 4. True, 5. True.

Pg. 81 → **D.** 1. Thyroid & pituitary , 2. Testosterone    3. X Y, 4. Hepatitis - B

**Chapter 8. → Exercises**

Pg. 92 & 93 → **A.** 1. a, 2. a, 3. b, 4. b, 5. a.

Pg. 93 → **B.** 1. Force, 2. Motion , 3. Newton , 4. Pressure, 5. Broader, 6. Atmosphere.    **C.** 1. True, 2. True, 3. False, 4. False, 5. True, 6. True.    **D.** 1. Weight, 2. Magnetic force, 3. Pressure, 4. Manometre.

**Chapter 9. → Exercises**

Pg. 100 → **A.** 1. a, 2. c, 3. a, 4. a, 5. a.    **B.** 1. Contact, 2. Opposes, 3. Sliding, 4. Friction, 5. Spikes.

**C.** 1. True, 2. True, 3. False, 4. False, 5. True.

Pg. 101 → **D.** 1. Contact force, 2. Static , 3. To reduce friction , 4. Streamlined .

**Chapter 10. → Exercises**

Pg. 111 → **A.** 1. c, 2. d, 3. c, 4. a, 5. c, 6. c.    **B.** 1. Medium, 2. Frequency, 3. Hertz, 4. Ultra sonic sound, 5. Time period, 6. Frequency.

Pg. 112 → **C.** Column – B 6, 5, 1, 2, 4, 3.

**Assignment-2 (Chap. 7 to 10)**

Pg. 115 → **A.** 1. a, 2. a, 3. a, 4. b, 5. a, 6. a, 7. d, 8. a, 9. d, 10. c.    **B.** Column B – 3, 4, 1, 2, 5.

**Chapter 11. → Exercises**

Pg. 121 & 122 → **A.** 1. c, 2. d, 3. b, 4. a, 5. c.    **B.** 1. Ions, 2. Anion, 3. Current, 4. Cathode 5. Electrolytes.

Pg. 122 → 1. Compass , 2. The charged particles of electrolyte in the solution., 3. Anion, 4. Electrolysis, 5. Chromium.

**Chapter 12. → Exercises**

Pg. 131 → **A.** 1. b, 2. a, 3. c, 4. d.    **B.** 1. Electroscope, 2. Attracts, 3. Lightning conductor, 4. Richter scale, 5. Tsunami.

Pg. 132 → **C.** 1. Static electricity, 2. Electroscope, 3. Like charges, 4. Copper strips, 5. Richter scale.

**Chapter 13. → Exercises**

Pg. 143 & 144 → **A.** 1. a, 2. d, 3. a, 4. b, 5. b.

Pg. 144 → **B.** 1. Plane, 2. Virtual, 3. Dispersion, 4. Iris, 5. Far. **C.** 1. True, 2. True, 3. True, 4. True, 5. False. **D.** 1. Agree, 2. Regular reflection, 3. Braille, 4. Yellow spot, 5. Lens.

**Assignment 3 ( Chap. 11 to 13)**

Pg. 147 → **A.** 1. a, 2. b, 3. d, 4. a, 5. a, 6. a. **B.** Column B – 2, 4, 1, 3.

**Assessment- 2.**

Pg. 148 → **A.** 1. a, 2. c, 3. b, 4. a. **B.** 1. Medium, 2. Electrolysis, 3. Adam's apple, 4. Cation, anion, 5. Attracts, 6. Aerosol. **C.** 1. Contact force, 2. Manometre, 3. Brain, 4. Electrolysis, 5. U.V. rays.