

2019 PT3 Science Exam Tips

i. Baca nota baik-baik, terutamanya unit-unit yang berwarna dengan teliti.

ii. Soalan sukar.

Good Luck & All the Best!

FORM 1

Chapter	Important Units
1 Introduction to Science Investigation	✓ Hazard Symbols ✓ Physical Quantities ✓ Mass & weight (P8) ✓ Density (P8N16) - why float
2 Cell as the Basic Unit of Life	✓ plant and animal ✓ cell & structure / function palisade / epidermal ✓ cell specialization
3 Coordination and Response	✓ Homeostasis of water and temperature ✓ Regulation of water in the body ✓ Regulation of oxygen ✓ Excretory organs
4 Reproduction	✓ Reproductive of flower ✓ Germination
5 Matter	✓ Matter / Non-matter ✓ Kinetic Theory ✓ Changes in matter (P24)
6 The Periodic Table	✓ Atom ✓ Elements/ Mixture / Compound ✓ Chromatography (P28) (detect color/drug)
7 Air	✓ Components of air ✓ Important Carbon cycle ✓ Combustion requirement
8 Light and Optics	✓ Refraction of light ✓ Dispersion of light ✓ Reflection mirror (P33N8.3N1b)
9 Earth	✓ Composition of earth ✓ Exogenic/ Endogenic

FORM 2

1 Biodiversity	✓ Invertebrates/Vertebrates/reptiles/amphibian ✓ Non-Flowering/Flowering
2 Ecosystem	✓ Food chain/ pyramid (P42N2i) ✓ Carbon Cycle ✓ Interaction ✓ Combustion/API/acidic gases/ health ✓ Biological control
3 Nutrition	✓ Balance diet/ Food Pyramid/ Protein eg ✓ Analyzing of food ✓ Digestion system
4 Human Health	✓ Disease (Vector) P54N2d ✓ Immunity P55
5 Water and Solution	✓ Boiling / Evaporation ✓ Method of purification of water ✓ water treatment ✓ pollution/control ✓ Physical properties P56N1 ✓ Factor affect evaporation (P57N4b) ✓ Factor affect boiling point (P56N2a)

6	Acid and Alkali	√ Acid P62N1b properties √ Neutralization/Titration
7	Electric and Magnetism	√ Lightning conductor √ series, parallel circuit √ Electromagnet
8	Force and Motion	√ Force (type) (P71) √ Frictional/gravitation/magnetic √ Lever 3 rd class/ ways to balance √ Pressure ↑, diameter ↑ √ Siphon (how to use)
9	Heat	√ Transfer of heat (radiation, convection) √ Absorption of heat √ Insulator (wood) and conductor √ Solar cooker/solar panel
10	Sound Waves	√ sound (good reflector) √ pitch /loudness
11	Stars and Galaxies in the Universe	√ Dead of stars / color
12	Solar System	√ Meteoroids √ Asteroid √ Comet √ Planet sequence (P80)

FORM 3

1	Stimuli dan responses	√ skin/sensitivity (P86N6a6b) √ response in plant √ Germination √ Involuntary /Voluntary √ Eye/Ear √ Reflect actions - important
2	Respiration	√ Cigarette √ Lungs + Alveolus √ Adaption of animal √ Trachea system
3	Transport	√ Heart √ plant transport √ Blood group/cells √ Xylem (P95)
4	Reactivity	√ metal reactivity √ Blast Furnace √ Calcium Carbonate P97N1d
5	Thermochemistry	√ Endo/Cold pack √ Exso/Hot pack(P99)
6	Electric and Magnesium	√ non-renewable /renewable energy √ Power station √ transformer/calculation (P103N3)
7	Energy and Power	√ work done √ Potential/Kinetic energy/calculation
8	Radioactivity	√ meaning/proton number √ half-life graph(P104) √ alpha, beta and gamma (P105) √ uses of radioactive cobalt-60 √ Handling + effect
9	Space weather	√ Structure of Sun/phenomenon (P107)
10	Space exploration	√ Rocket P108N2a