

YEAR 2012 ANSWERS

SECTION A

1. (a) Spanner
(b) Loosening and tightening bolts and nuts
2. Terracing -Contour ploughing
-A forestation -Re-a forestation
3. Breeding places for mosquitoes
-Bad smell
4. (a) Weighing scale
(b) Weight, Mass
5. (a) Opaque- Wooden door
(b) Glass in window
(c) Sun glasses
6. Teacher's Guide
7. Teacher's Guide
8. Solid Liquid Gas
9. Boiling, Distillation
10. Freezing Smoking
11. Light energy
12. (a) Radiation
(b) Convection
13. Solar eclipse
14. Refraction
15. Using compact discs -
Using video cassette discs -Using flashes
16. Teacher's Guide
17. False/Wrong
18. Like, Repel
19. By heating the solution
20. (a) No
(b) Because the wire does not touch the positive terminal
(c) The bulb will produce light (d) They will produce dim/little light.
21. Boiling -Shallow frying -
Deep frying

-Roasting

SECTION B

22. (a) Tuberculosis
(b) It spreads diseases
(c) Trachoma -
Dysentery -Cholera
23. (a) HIV is a virus that causes AIDS while AIDS is a disease
(b) Having sexual intercourse with an infected person
(c) Both are sexually transmitted diseases
24. (a) Having Wings -
Warm blooded -
Feeding using beaks -
Breathing through the lungs
(b) Both use the lungs for breathing
(c) It chews cud
(d)(i) Marsupials
(ii) Kangaroo, Koala bears
25. (a) Stigma
(b)(i) Pistil
(ii) Ovary, Stigma, Style, Ovules
26. (b) The union of both the male and female gametes to produce a zygote
27. A- Storage fleshy leaves
B-Central bud/Terminal bud C-Bulb stem D-Fibrous roots
28. (a) To store food for the plants
(b) For breathing
29. (a) A-Duodenum
B-Small intestines
C-Large intestines
D-Colon E-Appendix
F-Rectum
(b) Absorption of water
(c) Stores faeces temporarily
30. (a) P-Egg/Ovum
Q-Fallopian tube/Oviduct
R-Uterus/Womb
S-Cervix
(b) Produce an egg
(c) Implantation
(d) Internal fertilization
(e) Frogs (amphibians) undergo external fertilization which does not involve gametes
31. (a) P-Conjunctiva
Q-Lens
R-Vitreous humour
S-Optic nerve
(b) Allows bending of light rays to form images on the retina
(c) Optic nerve

Insect pollinated flowers	Wind pollinated flowers
(i) Have a scent/smell	Have no scent
(ii) Brightly coloured petals	Dull coloured petals
(iii) short sticky stigma	Long hairy stigma
(iv) Produce few pollens	Produce a lot of pollens