

LITTLE MUHEJI SCHOOL  
PRIMARY SEVEN INTEGRATED SCIENCE:  
ANSWERS TO SET VII

Section A

1. A mammal has hairy body while other vertebrates don't have hairy body// mammals have external ears//
2. By brushing teeth//dental flossing//rinsing the mouth// regular dental checkups.
3. Millet//maize//sorghum//beans//peas//wheat//rice //
4. Pepsin
5. Royal jelly
6. It has cilia and mucus
7. A sprain is an injury on the ligament while a strain is an injury on a muscle//a sprain is an overstretched/torn ligament while a strain is an overstretched or torn muscle.
8. Irish potato//white yams
9. Hook worms suck blood.
10. VIP latrine
11. By slashing it
12. Heart
13. Humming bird//sun bird
14. Cabbage//onion//garlic//amaranthus//dodo//nakati//spinach
15. Weight is measured in newtons /kgs while mass is measured in kilograms/grams
16. It damages body organs
17. For protection
18. Wind
19. To save electricity.
20. North pole//north
21. Line of force in a magnetic field runs from north pole to south pole.
22. By immunization// treatment
23. Earth worms//snakes//moles//squirrels//
24. It has volume//it occupies space and has volume.
25. Bacteria//fungi
26. They will suffer from diseases
27. Fertilization
28. Protects humans from diseases//protects humans from snake bites//vector bites.
29. Cow dung can be used as manure// to make biogas
30. To transplant seedlings
31. Painting//cleaning it after use// using it for its right purpose//keeping it in dry place.
32. Should be kind//honest//knowledgeable//brave//quick in making decisions.
33. Hinge joint
34. Mosquitoes
35. Flowers
36. Haemoglobin.
37. Water/moisture//oxygen//warmth.
38. By swimming
39. Water
40. Compound trifoliolate.
41. A) They get fruits//shade//help in practical lessons. b) row planting//broad casting c ) to get sunlight// to get enough support.
42. Long bone. B) thigh. C) shaft. D) calcium//phosphorus.
43. A) windy//rainy//sunny//cloudy// b) evaporation//condensation.
44. Duck billed platypus//platypus//ant eater//spiny ant eater. B) it feeds its young one on milk. It has mammary glands// it has mammae/
45. A) tuberculosis.....BCG vaccine b) polio .....polio vaccine c) pertussis .....DPT vaccine (d) measles .....measles vaccine
46. A) it lengthens lactation period// promotes growth of a calf// a cow produces a healthy calf. B) using quarantine// vaccination.
47. A) mushrooms//yeast//puffballs. B) decomposition//fermentation
48. A) wind//water B) animals provide labour// animals provide transport.
49. A) it leads to still births//leads to pre mature births// birth of underweight babies. B i) it leads to barrenness//leads to sterility// blocks fallopian tubes. (ii) leads to blindness. Human Immunodeficiency Virus.
50. A) eye b) R c) to trap dust. D)River blindness.
51. A) lizard. B) it feeds on vectors. C) snakes// crocodiles, //alligators, d) by laying eggs.
52. A) wolfram. B) oxygen supports burning. C)i conducts electricity. Ii) produces light. Converts heat energy to light energy.
53. A) stem cutting//using suckers// marcotting//layering//budding//using sets//planting crowns. B) both reproduce by means of spores. C) to be easily carried by wind.
54. A) I scurvy ii) goiter (b) covering food properly// keeping food in clean places// keeping food in clean containers// serving food with clean hands.
55. A) rectum b) it contains pepsin which digests proteins// it contains renin which clots milk in babies c) teeth//tongue// d) diarrhea// typhoid// dysentery// cholera// worm infection

**LITTLE MUHEJI SCHOOL.**  
**INTEGRATED SCIENCE.**  
**ANSWERS TO SET VIII**

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1. Chickens//turkeys//geese//guinea fowls//ducks//pigeons.
  2. Fold//pen//ark.
  3. To get eggs//to get meat//to get money after sale//some birds are kept for pleasure/pets//to get feathers for decorations//for cultural and social rituals.
  4. Poultry provide meat/poultry provide eggs that are sources of proteins.
  5. Poultry dropping are used as manure.
  6. Poultry are used bride price// poultry are used as sacrifice.
  7. Spur.
  8. For protection.
  9. A hen has dull feathers while a rooster has bright feathers//a hen has a smaller wattle than that of a rooster// a hen is smaller than rooster//a hen has a smaller comb//a hen has a small wattle while a rooster has a big wattle.
  10. To break the egg after a chick has been hatched.
  11. Both keep the body warm.
  12. Broilers.
  13. White leghorn//Minorca//brown egger//ancona.
  14. To get both meat and eggs.
  15. Comb
  16. For regulating body temperatures.
  17. Local breeds are resistant to diseases.
  18. Exotic breeds mature faster than local breeds.//they produce many eggs and meat.
  19. Local breeds do not need much care//local breeds are resistant to diseases.
  20. By cross breeding//by feeding poultry properly.
  21. Hybrids are more resistant to harsh conditions than exotic breeds//hybrids produce better quality products than local breeds.
  22. To hold poultry feeds.
  23. To prevent poultry from stepping into feeds. To prevent contamination of feeds.
  24. They help in digestion// they crush food.
  25. Gizzard.
  26. To enable them lay eggs with hard shells//To enable them lay eggs with harder shells.
  27. Phosphorus.
  28. It is cheap// it does not need skilled labour//it does not need much labor//
  29. Deep litter//free range//cage/battery system.
  30. It needs a lot of land//the folds are not durable//birds don't do enough exercise//few birds are kept.
  31. To absorb moisture in poultry droppings//prevent eggs from breaking//litter keep the poultry house warm.
  32. To control egg eating among poultry.
  33. Swarm catcher//swarm catching net.
  34. For stocking the hive//for catching the swarm of bees and transfer them to the hive.
  35. Bees pollinate farmer's crops.
  36. To calm down bees.
  37. By setting up a hive in a permanent place//smearing inside the hive with wax//by using a catcher box//using a swarm catching net.
  38. Bees get nectar/bees get pollen/bees get propolis from plants.
  39. It is a source of income after selling honey and wax.
  40. Pressing honey wax method//floating wax method//centrifuging.
- Section B.**
41. **A)** Deep litter system//cage system//battery system. **B)** it is cheap//it controls vices//birds feed on feeds of their own choices//birds get a balanced diet. **C)**it is cheaper to maintain.
  42. **A)** M- spiracles, N- feelers/antennae. **B)** for breathing. **C)** the abdomen is destroyed due to loss of a sting.
  43. **A)**Pneumonia//fowl typhoid//. **B)**Pneumonia. **C)** by isolating sick birds/curling/regular

- vaccination//ensure cleanliness of the poultry house//
44. **A)** i) for laying eggs/ii) for mating with the queen bee/ iii) protects the hive, feeds the queen bee/collects nectar and pollen/they build the combs/they feed young bees//they control temperature around the hive// **b)** keeping the poultry house clean// shelter the hive well//sit the hive in noise free conditions//plant flowers around the apiary/hives//guard the hives against enemies of bees.
45. **A)**debeaking/ **B)** To control egg eating//to control cannibalism//**c)** it makes the beak blunt/reduces the sharpness of the beak. /**D)** putting perches /greens in the poultry house/ putting egg laying nests in dark corners// collecting eggs in time//

46.

| Material    | Uses                                |
|-------------|-------------------------------------|
| Veil        | Protects the face from bee stings   |
| Knife       | To remove wax capping from the wax. |
| Bees gloves | Protect hands from bee sting        |
| Gumboots    | Prevents cuts and dirt.             |

47. **A)** it is cheap// does not need skilled labour//  
**b)** few eggs are hatched//eggs will not hatch in case the broody hen dies.
48. **A)** honey is easily harvested//honey harvested is clean//the hive is durable/long lasting//**b)**i)prevents the queen bee from laying eggs in honey chamber//prevents the queen from mixing the eggs with honey. ii) its where the queen bee lays eggs.  
**C)**providing shelter on the hive//sitting the hive in a noise free place.
49. **A)**Land// capital// labour//market.  
**B)**Health records// feeding records// production records//flock records financial records. **C)**to know income and expenditure//to be taxed fairly// to get loans from the bank// it helps to make proper plan for the farm.

50. **A)** A- egg C- pupa// **B)** it pollinates plants. **C)**Complete lifecycle.
51. **A)**Protozoa// **b)** Chicks are dull//dropping of wings//diarrhea at times with blood//ruffled feathers//loss of birds shape. **C)**treat sick birds early// isolate sick birds from healthy ones//ensure good hygiene in the poultry house.
52. **A)**Drone bees// **b)** they do not have developed ovipositor// to feed their young ones//  
nectar//juice//sugar//water.
53. **A)**waterer//water trough. **B)**for keeping poultry water// it's where poultry drink water from.  
**C)**perches//litter//feed trough.
54. **A)** kigezi bee hive// log hive//dugout log hive. **B)**They are cheaper to make/buy/**C)** they are not long lasting// they are easily affected by weather// they are fire hazards// harvesting honey is difficult.//harvested honey is not clean.
55. **A)** Light Sussex//Cornish white// jersey black giant//orpington.  
**b)** Exotic breeds provide more eggs and much meat than local breeds.// exotic breeds mature faster than local breeds.

## LITTLEMUHEJI SCHOOL.

### INTEGRATED SCIENCE: ANSWERS TO SET IX.

#### SECTION A:

1. Carbohydrates.
2. To save life//to reduce bleeding//to promote quicker recovery//to reduce pain//to stop further injuries//to control the situation from worsening.
3. Mosquitoes//tsetse flies//ticks//mites//lice//fleas.
4. To get higher yields//to plant healthy seeds//to plant viable seeds//to plant desired species.
5. Polio//poliomyelitis
6. Brushing teeth daily//dental flossing//rinsing the mouth//having regular dental checkups//.
7. Breathing is the taking in and out of air while respiration is the burning of food by the body using oxygen to produce energy// breathing takes place in lungs while respiration takes place in body cells//breathing is taking in and out air while respiration is the oxidation of food to produce energy in the body.
8. To keep warm//to protect themselves from coldness.
9. Volume is the loudness or softness of sound.
10. Squirrels//rats//moles//monkeys/
11. It controls animals movements//controls the spread of diseases/parasites//allows pasture to grow//helps farmers to control inbreeding// controls animals from destroying farmers' crops.
12. Avoid playing with sharp objects// avoid playing bad games//cook from raised places//keeping drugs out of reach of children//labeling dangerous objects//fencing deep water wells//covering septic tanks and large water reservoirs.
13. To produce milk.
14. Poor family background//peer pressure//poor social environment//lack of parental guidance.
15. To pump blood with high pressure for a long distance.
16. Spiracles
17. For body balance.
18. Nuclear family.
19. By penetrating/burrowing into the skin.
20. Measles vaccine.
21. Taproot system.
22. Boiled water//safe water//sugar// salt.
23. A bee has spiracles//antennae/feelers//three main body divisions/parts//a pair of compound eyes//three pairs of legs/six legs.
24. Preparing juice//tea//removing impurities from water.
25. By use of flagellum//
26. To trap houseflies
27. Air exerts pressure
28. Kidney
29. It is source of income after sale.
30. Arteries have thick walls while veins have thin walls// arteries have a narrow lumen while veins have wide lumen// arteries have no valves while veins have valves//arteries carry blood away from the heart while veins carry blood towards the heart// arteries carry oxygenated blood except pulmonary artery while veins carry deoxygenated blood except pulmonary vein.
31. Playing bad games//keeping drugs in reach of children//failure to label dangerous objects//leaving large water reservoirs open//carelessness//failure to follow instructions//ignorance//playing with hot objects
32. Feeding them on feeds rich in calcium.
33. For body balance
34. Housefly//cockroach
35. Maize//millet//sorghum// rice//wheat//sugarcane//
36. Plants with leaf A have tap root system while plants with leaf B have fibrous root system.
37. Stomach//tongue/(**reject teeth**)
38. It has jointed legs //segmented body// exoskeleton.
39. It causes evapotranspiration//it causes evaporation on water bodies/land //it causes transpiration in plants.
40. Worker bee.

#### Section B :

41. **a)** distillation// fermentation//**b)** leads to poverty//family breakdown//family neglect//domestic violence/mistreating of children and the spouse//children may copy the habit.
42. **A) radiation, b)conduction, radiation.**

43.

| Frequency | Number of sound vibrations   |
|-----------|------------------------------|
| Pitch     | Highness or lowness of sound |
| Echo      | Reflected sound              |
| Amplitude | Width of vibrations          |
|           |                              |

44. A i) eating under cooked food  
 ii) eating un washed fruits and vegetables//eating with unwashed hands.  
 b) diarrhea// swollen stomach// constipation//dry cough//itching anus.

45. A) Babies//weaning babies//pregnant woman//sick people// invalids/ /convalescents//elderly//breastfeeding mothers b) they are in delicate conditions that require special diet. C) for body growth.

46. A) plants//animals b) to make metals hard//to make metals durable// to increase resistivity// to prevent rusting//to increase conductivity.

47. A) a VIP latrine has a screen while the ordinary pit latrine does not have.//a VIP has a vent pipe while the ordinary pit latrine does not have// a VIP has no lid while an ordinary pit latrine does not// a VIP latrine has spiral walls while ordinary pit latrine does not.b) slashing tall bushes//cleaning toilets//proper disposal of faeces//waste/rubbish//draining still water//sweeping the compound//mopping the house//separating animal houses from living house.c) to remove germs//to kill germs//to prevent infections

48.  $9C + 160 = 5F$   
 $(9 \times 100) + 160 = 5F$   
 $900 + 160 = 5F$   
 $\frac{1060}{5} = \frac{5F}{5}$   
 $212 = F$

b) both are forms of energy// both can be reflected.

49. A)A- incisor// B- canine. b) for grinding//chewing//crushing food. c) brushing//dentalflossing//avoid using teeth to open bottles//rinsing the mouth//regular medical checkups//eat warm foods. not too hot/too cold

50. A) air sacs/alveoli b) lung cancer//asthma //bronchitis//pneumonia// c) feeding on a balanced diet// do regular physical exercises// avoid smoking// avoid dusty places//

51. A) to get meat//to get eggs//to get money after sale//for cultural purpose//. b) to improve the

quality of the breeds. C) it is cheap to maintain// it does not require much labor.

52. A)platypus// spiny ant eater//. B) internal fertilization//. C) they have blubber to keep them warm.

53. A) Filtration. B) Filtrate. C) boiling//chlorination//treating using chemicals.

54. A) by mulching// practicing crop rotation// manuring //bush fallowing//intercropping. Controlling soil erosion b) it has a lot of humus.

55. A) Friesian//jersey// Guernsey// Ayrshire//brown swiss. Dairy short horn//sahwal. B)for labor. C) spraying/dipping cattle in accaricides//deticking/hand picking//clearing grown up bushes on the farm//paddocking//

**END**

**Contact 0759976465/0750001056 for more inquiries**

**LITTLEMUHEJI SCHOOL.**

**INTEGRATED SCIENCE:**

**ANSWERS TO SET X.**

1. In cones
2. For larva to get food// there are favorable conditions for larva to feed.
3. Both produce male reproductive cells./gametes
4. By castration//hand mating
5. Fermentation
6. By taking their brothers and sisters for immunization// reminding parents immunization days//sensitizing family members the use of immunization.
7. Give the child a lot of fluids// discourage vomiting by the victim.
8. Bees swarm./bees move away from the hive.
9. Excessive bleeding//broken bone tears the flesh and come out//torn muscles
10. Constipation//indigestion//intestinal obstruction//diarrhea//vomiting
11. Epigeal germination.
12. Dicotyledonous plants.
13. Eating well cooked food// dispose faeces properly.
14. Smoking dehydrates food//kills germs.
15. They are thick walled.
16. For building//making glasses// roasting ground nuts//baking//washing sauce pans// making sand papers//
17. Increases poultry vices//easy spread of diseases in case of outbreak//Birds can't exercise well.
18. Cotyledon
19. Dirt intensity//fabric//use of the cloth//color
20. To stimulate milk let down. To prevent mastitis
21. Delays ovulation.
22. Using suckers//planting crown//slips.
23. Banana//sisal// aloe Vera
24. Biological change.
25. Density
26. Roasting//frying//boiling//cooking//steaming.
27. They hunt and kill other animals for food.
28. Through rain formation.
29. Controls sanitary diseases//
30. To prevent dampness// rotting.
31. Millet flour//cassava//beans// grains.
32. To tighten the string.
33. They expand.
34. Feeding well//do physical exercise// have right posture//
35. Scalds
36. To protect themselves//to call their young ones//to attract mates.
37. Freezing//
38. It kills germs//promotes good breath.
39. They get manure from dropping.
40. Washing it after use// drying it
41. A) water replaces lost water//sugar replaces lost energy. b) intravenous rehydration//dripping//drinking water//taking juice//soft foods.
42. A) Q – cooking oil R water . b) by using separating funnel//decanting. C) it is less dense than liquid R.
43. Ovulation- release of the ovum from the ovary  
Implantation – attachment of the embryo on the uterus walls  
Pregnancy – a period from fertilization to birth.  
Fertilization – union of a sperm and an ovum.
44. A) high temperatures// fast flowing water//animal action//soil erosion./ b) decomposition. C) they die and form humus//they aerate the soil d) humus
45. A) reptiles b) amphibians. C) tilapia. d) a tilapia undergoes external fertilization while parrot undergoes internal fertilization.
46. i) rain gauge ii) humidity ii) anemometer iv) measures temperature.
47. Bacteria b) swollen painful and udder//pus/blood stains in milk. c) ensure milking hygiene. Milk infected animals last.
48. A) lungs b) pulmonary vein. C) both carry de oxygenated blood. D) to be pumped to the body.
49. A) they should be healthy//mature//free from pests//not spoiled//dry. B) pruning//spraying pesticides//thinning// weeding// crop rotation.
50. A) HIV/AIDS//gonorrhoea//syphilis//genital warts//herpes //trichomoniasis// candidiasis .c)washing/bathing//treating STIs// regular medical checkups//shaving pubic hair. Wear loose/dry /ironed panties.
51. A) Y – silvered surfaces Z- cork base// anti – shock pad. B) plastic//rubber//wood. C) there is no matter.

52. A) i) to avoid getting spoilt. ii) to avoid body poisoning//drug misuse. b) taking over dose//under dose//sharing drugs//taking drugs when not sick//self medication//taking drugs in a wrong time.

53. A) a cock has a bigger spur than that of a hen// a cock is bigger than a hen// a cock has bright feathers while a hen has dull feathers//a cock has a bigger wattle than that of a hen// a hen has a smaller comb than that of a cock. B) Eggs//meat//feathers. c) by cross breeding// proper feeding.

54. A) Filtration. B) Sand// charcoal paste//cotton// grass. c) to kill germs.

55. A) Causes expansion// change in state//changes physical and chemical properties of matter. B) helps in cooking// ironing clothes//welding.