

## **P.7 SCIENCE MARKING GUIDE BOT II 2024**

- 1- To prevent flowing water from taking away seedling.
- 2- Let out stale warm air from faecal matter
- 3- Starvation / Lack of carbohydrates in the body.
- 4- Aids
- 5- Soil erosion is the removal of top soil from one place to another by the agents.
- 6- The villi are supplied with a network of blood capillaries which supply them with blood molecules.
- 7- Biological change
- 8- Steam / hydro electricity / tidal energy
- 9- These are liquids which do not dissolve in each other.
- 10- Osmosis
- 11- Prevents swelling of thyroid glands.
- 12- Transpiration
- 13- Helps in the formation of rainfall / cools the environment
- 14- Heart / lungs
- 15- Syphilis
- 16- Oviduct / fallopian tubes
- 17- Solid state
- 18- Deamination is the process by which the liver changes excess food material into glycogen for storage.
- 19- Through the lenticels (stomata found on stems)
- 20- Vitamins make the body healthy and protected from diseases.
- 21- Iron keepers absorb magnetism
- 22- Like poles of a magnet repel while unlike poles of a magnet attract each other.
- 23- In case a mother is dead / when the mother has AIDS / when the mother is not around / when the mother has breast cancer.
- 24- By conduction
- 25- Mulches rot to form humus.
- 26- It can lead to school drop out / can lead to the death of young mother
- 27- Artificial immunity
- 28- Peristalsis
- 29- Ecological sanitation
- 30- Temperature / volume / amplitude / pitch

- 31- Strip cup
- 32- Mastitis
- 33- Hook worms suck blood / hook worms feed on blood.
- 34- Molar teeth
- 35- Leaf venation is the arrangement of veins in a leaf.
- 36- Power is measured in watts (W)
- 37- myriapods
- 38- Rotavirus vaccine, cholera vaccine, oral typhoid vaccine, adenovirus vaccine
- 39- When the light rays from the sun pass through rain drops.
- 40-  $^{\circ}\text{F} = (\text{C} \times 9/5) + 32$   
 $^{\circ}\text{F} = (35 \times 9/5) + 32$   
 $^{\circ}\text{F} = (7 \times 9) + 32$   
 $^{\circ}\text{F} = 63 + 32$   
 $^{\circ}\text{F} = 95^{\circ}$

### **SECTION B**

- 41- A resource is something that man uses to satisfy his needs  
 (b) plants / animals / water / soil / air / wind / the sun  
 (c) They can be naturally replaced once used up.  
 (d) By using sparingly / by planting trees / by vaccinating animals / by mulching / by applying manure / avoid over stocking
- 42- Gastric juice  
 (b) Proteins  
 (c) Ileum  
 (d) Constipation / indigestion / vomiting / diarrhea
- 43- A – ovary (ii) C – uterus / womb  
 (b) Is where fertilization takes place.  
 (c) syphilis / gonorrhoea
- 44- A machine is a device that simplifies work.  
 (b) Machines increase the speed of doing work / machines reduce the effort needed to do work. / machines change the direction of force.  
 (c) Work is done when a force is used to move the load through a distance.
- 45- Root tubers are swollen underground roots that store food for the plant.  
 (b) Cassava / sweet potatoes / carrots / turnips / sugar beet / radishes  
 (c) carbohydrates

- 46- (a) turkey, chickens, ducks pigeons, guinea fowls, geese  
b) By feeding them on a balanced diet.  
By cleaning their houses  
By vaccinating them  
By providing clean feeds in clean troughs
- 47- Less fire wood is used. / to minimize loss of heat carried by vapour.  
(b) More fire wood is used / there is high loss of heat in food which is carried by vapour.  
(c)Conduction  
(d) To prevent the user's hands from burns.
- 48- Rust  
(b) rusting  
(c)It makes the tools blunt / tools look to be very old / tools become weak  
(d) By painting / by greasing / oiling / galvanizing etc
- 49- Air is a mixture of gases.  
(b) Nitrogen  
(c)Both use oxygen to take place.  
(d) Fire extinguisher
- 50- They are all non-flowering plants  
(b)Organism B reproduce by means of seeds while other organisms by means of spores.  
(c)Organism D does not have chlorophyll  
(d) Organism B provide soft wood timber/ they provide pulp for making paper, match sticks, tooth picks / are planted around homes as live fences.
- 51- An echo is a reflected sound.  
(b)Pilots use echoes to dodge obstacles during flight. / sailor / navigators use echo to determine the depth of eater bodies. / fishermen use echoes to detect fish schools before setting the nets.  
(c) By covering cinema halls with thick curtains / covering cinema halls with soft porous materials like sponges , thick carpenter, soft boards  
(d) By tightening / loosening the strings of a guitar.

- 52- Swarming is the movement of bees from one place to another looking for a new home.
- (b)Over crowding of bees in a hive / when another queen bee is produced in the hive when a queen bee dies / excessive heat in the hive / bad smell around the hive etc
- (c)Drone bee.
- 53- C – oxygen    D – carbon dioxide
- (b)A – capillary action    B – translocation
- 54- Tobacco / cocaine / alcohol / glue/ petrol / shisha / opium heroin / caffeine / marijuana
- (b)It leads to self neglect / loss of appetite / brain damage / job neglect / low immunity to diseases etc.
- (c)To pass time/ feel warm / feel confident / fit in groups / appear mature and important
- 55- Natural changes are changes made by God.
- (b)Earthquakes / thunder / floods / drought / land slides / storm / lightening
- (c)It leads to death of people and animals/destroys people’s property and crops.