

DAY:1

SESSION:3

DISCUSSION AND FEEDBACK ON TAKE THE TEST

(PISA SCIENCE -ANSWERS TO QUESTIONS -SET-2)

Question 1 – Technology creates new rules

1.1 - The embryos should be thawed as the consent of producers was required .

1.2 -Modern technologies needs to create new rules because –

It deals with possibilities of misuse .Hence ethical and legal boundaries need to set before the use of such technologies . EG – If a surrogate mother doesn't give the child born by her through embryos(breaking child bearing contract), in case of the death of the couples ,if a woman wants to be pregnant with the frozen sperms of her deceased husband

Question 2 – Bees

2.1 – D

2.2 – Sources of nectar - fruit trees ,clover & flowering trees

2.3 – The proportion of water

2.4 – The distance of the food from hive is indicated by the length of time that the bee shakes her abdomen. If the food is quite near the bee shakes her abdomen for a short time. If it is a long way she shakes her abdomen for a long time

Question 3 – Biodiversity

3.1 - A Native cat and Parasitic wasp

3.2 – C The effect would be greater in food web B because the Parasitic wasp has only one food source in food web B

Question 4 – Corn

4.1 - Yes ,Yes ,Yes

4.2 – It can be glucose ,sugar ,starch ,carbohydrate ,saccharides.

4.3 - D . He needs to collect the Data about the amounts of each of the four gases in the atmosphere.

Question 5 – Fit for drinking

5.1 – There is less bacteria and particle pollution in ground water than in water from surface sources because –

i)it is filtered through ground. ii)when it passes through sand and dust ,the water is cleaned. lii) it is naturally filtered, iv) when it goes through the ground, It is strained by rocks and sand , v)ground water is without much nutrients, hence bacteria do not survive .

5.2 - C Gravel and sand sink to the bottom .

5.3 Chlorine is added to water – to make it fit for drinking ,it kills bacteria ,it cleans the water and make it potable .

5.4 - Boil the water, treat the water with chlorine tablets, use micropore filters.

5.5 - NO ,YES ,NO