

BOARD QUESTION PAPER: JULY 2016 SCIENCE AND TECHNOLOGY

Time: 2 Hours Total Marks: 40						
Note i. ii. iii.	Drav All q	uestio	labelled diagrams wherever necessary. ns are compulsory. nould write the answers of questions in se	equenc	e.	
			SECTION	<u>N B</u>		
1.	(A)	 (a) Fill in the blanks: i acid inhibits growth leading to wilting of leaves. ii. The organic compounds having double or triple bond in them are termed as iii. Lymph flows in direction. 				[3]
		(b) Write the structural formula of the following compound: 'Ethane'.				[1]
		(c)	Name the mode of reproduction process	ss seen	in yeast.	[1]
	(B) i.		nentation is a type of aerobic respiration exothermic reaction	(B) (D)	anaerobic respiration none of the above	[5]
	ii.	Some (A) (C)	e acetic acid is treated with solid NaHCO colourless green	O ₃ , the (B) (D)	resulting solution will be blue yellow	
	iii.	Ram (A) (C)	esh observed a slide of <i>Amoeba</i> with elo Binary fission Multiple fission	ngated (B) (D)	nuclei. It would represent Budding None of the above	
	iv.		nty dry raisins were soaked in 50 ml of vollowing is the correct observation? 8 raisins absorbed water 15 raisins absorbed water	(B) (D)	18 raisins absorbed water All raisins absorbed water	
	V.	Iron (A) (C)	is more reactive than Zn less reactive than Cu	(B) (D)	more reactive than Al less reactive than Al	
2.	Ansv i. ii. iii. iv. v. vi.	Gold and silver are used to make jewellery. Give reason. Explain the following reaction with balanced chemical equation: Calcium reacts with water. Write any two physical properties of Ethanol. Roots of plants grow away from light. Give scientific reasons. In which livings, female decides the sex? Give two examples. Give the molecular and structural formulae of Benzene.				[10]
3.	Ansv i. ii. iii.	wer the following questions (any five): What do you mean by vestigial structures? Name four vestigial organs found in man. State Darwin's theory of evolution. Draw a diagram of longitudinal section of flower and label the following parts: a. Petal b. Ovary c. Anther d. Sepal				



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- iv. Explain the following terms:
 - a. Reproduction
 - b. Vegetative propagation
 - c. Pollination
- v. Write the names and functions of three parts of human nervous system in which it is divided.
- vi. Geeta dipped a copper coin in a solution of silver nitrate. After some time she saw the silver shine on the coin. Why? Give the balanced chemical equation for the same and name the type of reaction.

4. Answer any one of the following questions:

[5]

- i. a. What is recycling of waste?
 - b. Give one example of Reuse.
 - c. Write the advantages of recycling.
- ii. a. List the organs of Human respiratory system.
 - b. Explain 'Inhalation'.