BOARD QUESTION PAPER: July 2019

Science and Technology Part - 2

Tin	Time: 2 Hours Total Marks:										
Not i. ii.	Solve		-	ons in seque wherever nec		y .					
1.	(A) i.	Solve the following questions: Match the columns:									
			C	olumn 'A'		Colu	ımn 'B'				
		a.	Hae	moglobin	1.	Skin					
		b.	Osse	ein	2.	Blood					
					3.	Bones					
	ii.	Find odd one out: Diabetes, Anaemia, Leukemia, Thalassemia									
	iii.	Write the correct co-relation: Transverse Binary Fission: <i>Paramoecium</i> :: Longitudinal Binary Fission:									
	iv.		no am ave su		olood	sucking ec	ctoparasite and	my body is segmented.	(1)		
	(B) i.	Choose the correct alternative and rewrite the sentences: Calcareous spines are present on the body of animal. (A) Fish (B) Snail (C) Sponge (D) Star fish							[5] (1)		
	ii.	beverage is obtained by ferm (A) Cider (C) Coffee					nentation of ap (B) (D)	ople juice. Wine Cocoa	(1)		
	iii.	is man-made disaster. (A) Earthquake (C) Leakage of poisonous gas					(B) (D)	Flood Meteorite	(1)		
	iv.	microbes provide organic manure to the paddy fields. (A) Azolla (B) Anabaena (C) Azotobacter (D) Acetobacter							(1)		
	V.	The length of a sperm is about mid (A) 400 (C) 60						5 600	(1)		
2.	i.										
	11.	Complete the following table: Plant/Microbes Function									
			1.	Pteris vita		ones		Function			
		\vdash									
			2.	Pseudomo	rius		Λ 1 ₀ =	of uranium and arsenic			
		3				1					
			4.				Absorption o	of radiations of nuclear waste			

- iii. Define vestigial organs. Write any two names of vestigial organs in human body.
- iv. Despite of various diagnostic tests, a couple could not have a child. In this situation, which remedies will you suggest?
- v. Write any four harmful effects of consumption of alcoholic drinks on human body. (2)
- vi. Complete the following table: (2)

Source	Microbe	Amino Acid
Sugar molasses and salt		Citric acid
	Lactobacillus delbrueckii	
Corn steep liquor	Aspergillus itaconius	

vii. First aid training is essential. Why?

(2)

[15]

(2)

(2)

3. Answer the following questions (any five):

i. What will you do? Why?

(3)

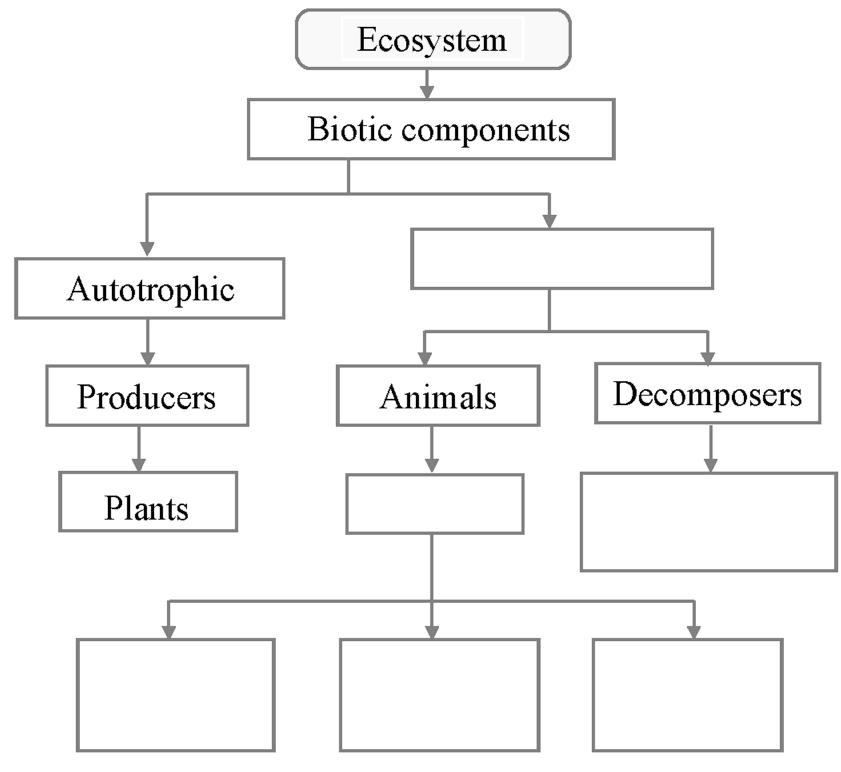
- a. Child of your neighbour is addicted to tobacco chewing?
 - b. Your friend has developed the hobby of snapping selfies.
 - c. Your sister has become incommunicable. She prefers to remain alone.
- ii. a. Write main types of vitamins.

(3)

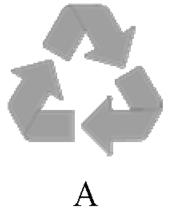
- b. Name water soluble vitamins.
- c. Name fat soluble vitamins.
- iii. Complete the flow chart:

(3)

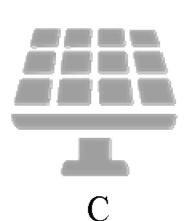
(3)



iv. a. What are the meaning of the following symbols? Write your role accordingly.







	V.	rescue steps will you take?										
	vi											
	vii.	_	wer the following	questions:								
		a. In our country, there seems to be lack of awareness regarding reproductive health. Why?										
		b.	b. Write the symptoms of disease gonorrhea.									
		c.	c. What precautions will you take maintain reproductive health?									
4.	Ans	Answer any one of the following questions:										
	i.	i. Identify the class of given animals and write one characteristic of each animal:										
		a.	Kangaroo	b.	Penguin	c.	Crocodile					
		d.	Frog	e.	Sea-horse							
	ii.	Draw schematic of power plant based on natural gas and answer the following questions:										
	i. At which place natural gas power plant is situated in Maharashtra?											
		ii. How is pollution reduced in natural gas based power plant?										
		iii.	ii. Give two examples of eco-friendly electricity process.									