

BOARD QUESTION PAPER: July 2019

Science and Technology Part - 2

Tin	ne: 2 H	ours							Total Marks	s: 4(
Not i. ii.	Solve			ons in sequent		у.				
1.	(A) i.	Sol Ma		[5] (2)						
			Co	olumn 'A'		Colu	ımn 'B'			
		a.	Haeı	noglobin	1.	Skin				
		b.	Osse	in	2.	Blood				
					3.	Bones				
	ii.	Find odd one out: Diabetes, Anaemia, Leukemia, Thalassemia							(1)	
	iii.	Write the correct co-relation: Transverse Binary Fission : <i>Paramoecium</i> :: Longitudinal Binary Fission :							(1)	
	iv.	Who am I? I have suckers. I am blood sucking ectoparasite 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 fermentation of apple juice.(A)Cider(B)Wine(C)Coffee(D)Cocoa							(1)	
	iii.	is man-made disaster. (A) Earthquake (B) Flood (C) Leakage of poisonous gas (D) 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 micrometers.(A) 400(B) 5(C) 60(D) 600								(1)
2.	Ansv i.	nswer the following questions (any five): Hydroelectric energy, solar energy and wind energy are called renewable energies. Why?								[1((2)
	ii.	ii. Complete the following table:								(2)
				Plant/		obes		Function		
			1.	Pteris vitate	a		-			
			2.	Pseudomon	as		-			
		3. Absorption of uranium and arsenic								
			4				A1	fundiations of muchan wood		

Absorption of radiations of nuclear waste

4.

Std. X: Science and Technology Part - 2



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

(2)

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

First aid training is essential. Why? vii. (2) Answer the following questions (any five): [15] What will you do? Why? i. (3) Child of your neighbour is addicted to tobacco chewing? a. Your friend has developed the hobby of snapping selfies. b. c. Your sister has become incommunicable. She prefers to remain alone. ii. Write main types of vitamins. a. (3)

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



iv. a. What are the meaning of the following symbols? Write your role accordingly. (3)

(3)



3.

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v.	The building in which you are residing has caught fire on the ground floor. What necessary rescue steps will you take?						(3)	
vi	Explain with suitable examples importance of anatomical evidences in evolution.							
vii.	Answer the following questions:							
a. In our country, there seems to be lack of awareness regarding reproductive h						ness regarding reproductive health.		
	Why?						(1)	
	b. Write the symptoms of disease gonorrhea.						(1)	
	c. What precautions will you take maintain reproductive health?							
Ans	wer a	ny one of the fol	lowing q	uestions:			[5]	
i.								
	a.	Kangaroo	b.	Penguin	c.	Crocodile		
	d.	Frog	e.	Sea-horse				
ii.	Drav	v schematic of po	wer plan	t based on natura	al gas and an	nswer 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. Give two examples of eco-friendly electricity process.

4.