

Time Allowed: 2 hours

SATISH SCIENCE ACADEMY

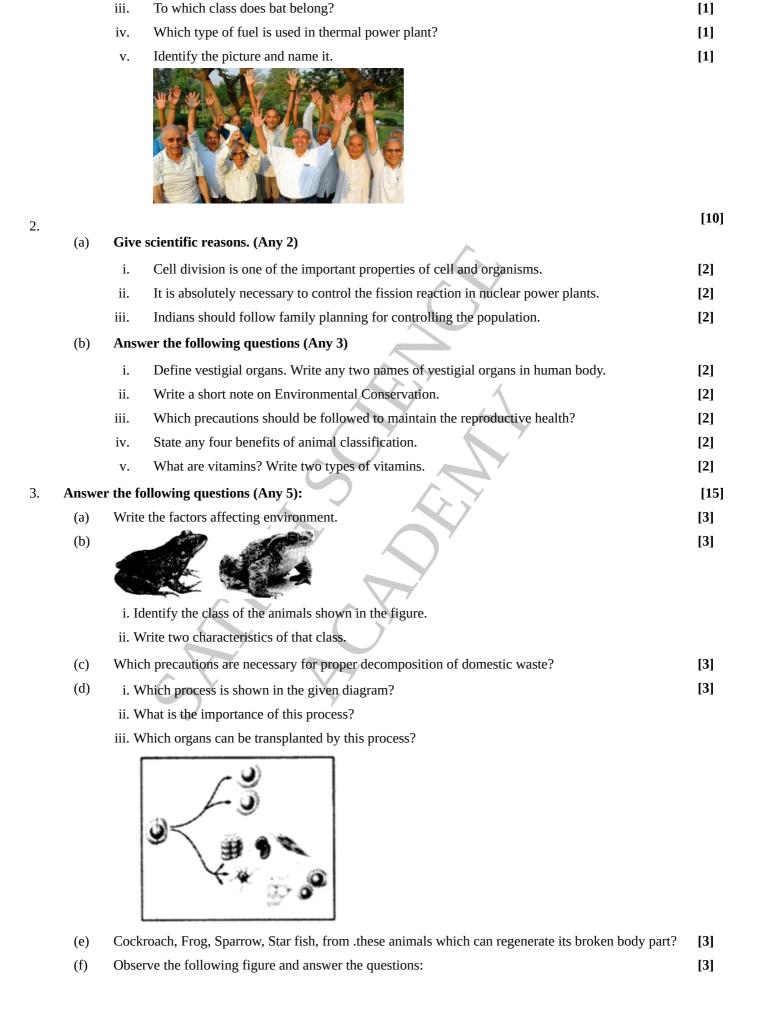
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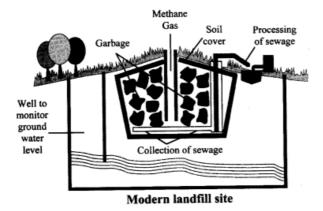
SCIENCE-2

Class 10 - Science & Technology - II

Genera	l Instruc	tions:				
1.	1. All	1. All questions are compulsory.				
	2. Use of a calculator is not allowed.					
	3. The	3. The numbers to the right of the questions indicate full marks.				
	4. In o	4. In case of MCQs (Q. No. 1(A)), only the first attempt will be evaluated and given credit.				
	5. For	5. For each MCQ, the correct alternative (a), (b), (c) or (d) with subquestion number is to be written as an answer.				
		For e.g. (i) (a), (ii) (b), (iii) (c)				
		6. Scientifically correct, labelled diagrams should be drawn wherever necessary.				
)		[10]	
	(a)	Writ	te the correct alternative:			
		i.	The spindle fibres start appearing from	stage of karyokinesis.	[1]	
			a) Metaphase	b) Anaphase		
			c) Prophase	d) Telophase		
		ii.		due to dams and indiscriminate use of water?	[1]	
			a) Sundarban	b) Kaziranga		
			c) Manas	d) Tadoba		
		iii.	Animal with bilateral symmetry is		[1]	
		111,	a) Paramoecium	b) Hyman	[-]	
				b) Human		
			c) Amoeba	d) Star fish	[4]	
		iv.	Organs like can be donated after	r death.	[1]	
			a) Skin	b) Heart		
			c) Lungs	d) Bones		
		v.	Which of the following is a man-made disaster?		[1]	
			a) Flood	b) Earthquake		
			c) Meteoric	d) Leakage of toxic gases		
	(b) Answer the following questions as per the given instructions:			n instructions:		
		i.	Earthquake, Flooding, Tsunami, War		[1]	
		ii.	Oxidation of proteins is carried out in aero	bic respiration.	[1]	

Maximum Marks: 40



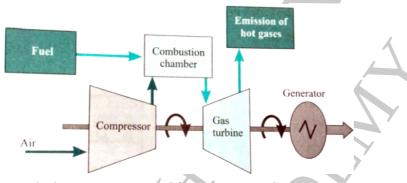


- i. Identify the process shown in the figure.
- ii. Explain the process in short.
- (g) i. What do you mean by central dogma?

[3]

[3]

- ii. What is transcription?
- iii. What is meant by triplet codon?
- (h) Observe the diagram and answer the questions:

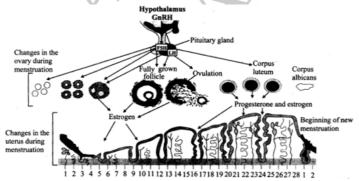


- i. Which energy is generated from the power plant?
- ii. State its source.
- iii. Which is more eco-friendly power generation from coal or power generation from natural gas? Why?
- 4. Answer any one of the following questions:

[5]

[5]

(a) Answer the following questions by observing the diagram of menstrual cycle:



- i. What is the period of menstruation?
- ii. On which day does ovulation occur during menstrual cycle?
- iii. In menstrual cycle which reproductive organs undergo changes?
- iv. Which period is said to be period of regeneration of endometrium?
- v. Which period is said to be period of secretions of glands in endometrium?
- (b) i. Identify the following symbols and state their significance:

[5]



ii. How the biodiversity can be conserved?

