		RSRI SARADA SA		
Consecutive States	STD: X	SCIENCE REVISIO	N IESI 	MARKS: 50
		SET - 3		
I.CHOOSE THE CORRECT ANSWER				30 X 1= 30
1. Ene	ergy generation	on in stars due to		×
	a) Chemica	l reaction	b) Fission	
c) Fusion of light nuclei		d) Fusion of heavy n	nuclei	
2. Ato	oms of differe	nt elements with differen	nt atomic numbers, bu	at same mass number
are kr	own as			
	a) Isobars	b) Isotopes	c) Isotones	d) Isomers
3. The		vs is	. 0	
	,	b) Dots		d) None of these
4. In t		action $_{6}X^{12}$ à decay $_{Z}Y^{A}$		
C T1	a) 8, 6		c) 4, 8	
5. I ne	a) 6, 16	beriods and groups in the b) 7, 17	-	d) 7, 18
6 Wh		lowing is correct?	c) 8, 18	u) 7, 10
0. 11		along the direction of th	e wave motion	
		but not in any fixed dire		
		perpendicular to the dire		tion
	d) Do not			
6. The	e basis of mo	dern periodic law is		
	a) Atomic r	number b) Atomic ma	uss c) Isotopic n	hass d) No. of
neutro	on			
7. The		upied by 1 mole of a diat	-	
	a) 11.2 lit	b) 5.6b lit c) 22.4	·	
		lowing pairs can be the s	successive members o	f a homologous
series				
C.H.	a) C <sub>3</sub> H <sub>8</sub> & C	$b_{4}H_{10}$ b)C <sub>2</sub> H <sub>2</sub> & C <sub>2</sub> H <sub>4</sub>	c) $CH_4\& C_3H_6$	d) C <sub>2</sub> H <sub>5</sub> OH &
$C_4H_8$		s are reflected from an o	hstacle into the same	medium from which
		Which of the following		
uncy v	a) Speed	b) Frequency	•	th d) None of these
10. In	· 1	uit, why does the bulb gl	, U	
20. 11	-	tch produces electricity		
		the switch completes the	e circuit	
	-	the switch breaks the cir		
	· · ·	b is getting charged.		

11. Kilowatt hour is the unit of (a) resistivity (b) conductivity (c) electrical energy (d) electrical power 12. Which of the following are used as anaesthetics? a) Carboxylic acids b) Ethers c) Esters d) Aldehydes 13. The gram molecular mass of oxygen molecule is a) 16 g b) 18 g d) 17 g c) 32 g 14. Chemical formula of rust is d) Fe O a) FeO.xH<sub>2</sub>O b) FeO<sub>4</sub>.xH<sub>2</sub>O c)  $Fe_2O_3.xH_2O$ 15. The number of periods and groups in the periodic table are b) 7, 17 c) 8, 18 d) 7, 18 a) 6, 16 16. The xylem and phloem arranged side by side on same radius is called \_ a)radial b) amphivasal c)conjoint d) None of these 17. Mammals are animals. b) Warm blooded a) Cold blooded c) Poikilothermic d) All the above 18. The body of leech has b) 33 segments a) 23 segments c) 38 segments d) 30 segments 19. The wall of human heart is made of a) Endocardium b) Epicardium c) Myocardium d) All of the above 20. Dendrites transmit impulse cell body and axon transmit impulse cell body. (a) away from, away from (b) towards, away from (c) towards, towards (d) away from, towards 21. Identify the exocrine gland a) Pituitary gland b) Adrenal gland c) Salivary gland d) Thyroid gland 22.What is true of gametes? a) They are diploid ۲ b) They give rise to gonads c) They produce hormones d) They are formed from gonads 23. Okasaki fragments are joined together by b) DNA polymerase a) Helicase c) RNA primer d) DNA ligase 24.Paleontologists deal with a. Embryological evidences b. Fossil evidences c. Vestigial organ evidences d. All the above 25. The miracle rice which saved millions of lives and celebrated its 50th birthday is a. IR 8 b. IR 24 c. Atomita 2 d. Ponni 26. Which of the following is used to produce products useful to humans by biotechnology techniques? a. enzyme from organism b. live organism c. vitamins d. both (a) and (b)

## Kindly Send Me Your Key Answers to Our email id - padasalai.net@gmail.com

27.Excessive consumption of a) Loss of memory Supression of brain	f alcohol leads to b) Cirrhosis of liver	c) State of hallucination	on d)
28. Coronary heart disease is	due to		
a) Streptococci bacteria	ion of pericardium		
c) Weakening of heart va	nt blood supply to heart muscles		
29.A renewable source of end	ergy is		
a) petroleum	b) coal	c) nuclear fuel	d) trees
30. Soil erosion is more when	re there is		
a) no rain fall	b) low rainfall	c) rain fall is high	d) none of
these			X
II. ANSWER THE FOLLO	10X2=20		

- 31. What is co-efficient of cubical expansion?
- 32. State Boyle's law
- 33. State-the law of volume
- 34. What is the average energy released from a single fission process?
- 35. Give the SI unit of radioactivity.
- 36. Define critical mass.
- 37. What is stellar energy?
- 38. Define one Roentgen.
- 39. Why did Mendel select pea plant for his experiments?
- 40.What do you understand by the term phenotype and genotype?
- 41.What are allosomes?
- 42. What are the Okazaki fragments?
- 43. copy the diagram and label the parts .

