In The Name Of Allah

AMEER TUITION CENTRE KAYALPATTANAM - 628 204.

Register No :				
	1	1		

MODEL - I & PREPARATORY SSLC PUBLIC EXAMINATION

P	ART – III
S	CIENCE
Time Allowed: 3.00 Hours	Maximum Marks: 75
fairness, inform the	paper for fairness of printing. If there is any lack of Hall Supervisor immediately. Ik to write and pencil to draw diagrams. parts.
Note: 1. Answer all the question	PART – I 12 x 1 = 12 te answer from the given four alternative and he corresponding answers.
1. Pusa Komal is a disease resistant variet a. sugarcane	y of b. rice
c. cow pea	Cl. Cd. maize
2. Which of the following are used as anae	sthetics?
a. Carboxylic acids	b. Ethers
c. Esters	d. Aldehydes
3. Kilowatt hour is the unit of	
a) resistivity	b) conductivity
c) electrical energy	d) electrical power
4. An inexhaustible resources is	
a) wind power	b) soil fertility
c) wild life	d) all of the above
5. Cancer of the epithelial cells is called	,
a) Leukemia	b) Sarcoma
c) Carcinoma	d) Lipoma
6. The xylem and phloem arranged side by	side on same radius is called
a) radial	b) amphivasal
c) conjoint	d) None of these

Page 2 of 4

19. What are Okazaki fragments?

21. What is Sprite?

22. State Avogadro's Law.

20. How is a cancer cell different from a normal cell?

= 28

PART - III

Note: Answer any seven	uestions. Question No. 32 is compulsory.	7 x 4
23. (a) Differentiate mass a	nd weight.	
(b) State Snell's law.		
24. (a) State Boyle's law		
(b) Match the following	ng	
1. Infrasonic	- (a) Compressions	
2. Echo	- (b) 22 kHz	
3. Ultrasonic	- (c) 10 Hz	
4. High pressure regi	on - (d) Ultrasonography	
25. (a) N2 + 3 H2 \rightarrow 2 NH3	}	
(The atomic mass of	nitrogen is 14, and that of hydrogen is 1)	
1 mole of nitrogen (_	g) + 3 moles of hydrogen (g) \rightarrow	
2 moles of ammonia	a (g)	
(b) Differentiate reversi	ible and irreversible reactions	
Assertion: Alkanes	ng questions using the data given below: are saturated hydrocarbons.	
Reason: Hydrocarbo	ons consist of covalent bonds.	
i) A and R are correct,	R explains the A.	
ii) A is correct, R is wro	ng.	
iii) A is wrong, R is corre	ect.	
iv) A and R are correct,	R doesn't explains A.	
	d 'A' is widely used as a preservative and has the mais compound reacts with ethanol to form a sweet sr	
(i) Identify the compound	d 'A'	
.,		
(ii) Write the chemical ed	quation for its reaction with ethanol to form compou	ınd 'B'.
(iii) Name the process.		
27. (a) Aerobic and Anaero	-	
(b) Write a short note of	n mesophyll.	

(b) Differentiate between systemic circulation and pulmonary circulation.

28. (a) What is transpiration? Give the importance of transpiration.

- 29. With a neat labelled diagram explain the structure of a neuron.
- 30. (a) Why are thyroid hormones refered as personality hormone?
 - (b) Why is Archaeopteryx considered to be a connecting link?
- 31. (a) Why did Mendel select pea plant for his experiments?
 - (b) State the applications of DNA fingerprinting technique.
- 32. A torch bulb is rated at 3 V and 600 mA. Calculate it's
 - a) power
 - b) resistance
 - c) energy consumed if it is used for 4 hour.

PART - IV

Note: Answer all the question. Draw diagram wherever necessary.

 $3 \times 7 = 21$

33. (a) State and prove the law of conservation of linear momentum.

(OR)

- (b) What is mean by reflection of sound? Explain:
 - a) reflection at the boundary of a rarer medium
 - b) reflection at the boundary of a denser medium
 - c) Reflection at curved surfaces
- 34. (a) Explain smelting process.

(OR)

- (b) How does pH play an important role in everyday life?
- 35. (a). (i) What does CNS stand for? (1)
 - (ii) How does leech suck blood from the host? (2)
 - (iii) List out the parasitic adaptations in leech. (4)

(OR)

- (b) (i) With a neat labelled diagram describe the parts of a typical angiospermic ovule (4)
 - (ii) Discuss the importance of biotechnology in the field of medicine. (3)

Wish by, Ph: 94 8800 5009

Tr. M K Noohu Lebbai M.Sc. (Zoology), B.Ed., DAT., CMLT., RTI (Act).,..

PG Assistant Biology Teacher in Ameer Tuition Centre, Kayalpattanam – 628204.
