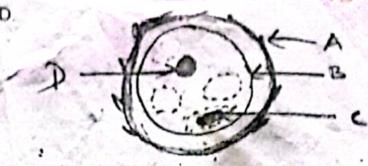
COMMON HALF YEARLY EXAMINATION - 2023

Standard - X

Time : 3.00 hrs

	CHEMCE	Marks: 75
I. Answer all the questions:-	Part - A	Charles A. Ashan
Choose the correct answer:-		
1) Newton's III law is applicab		12×1=12
a) for a body is at rest		
c) for a body in motion 2) The value of universal		
value of universal gas	Constant	odies with equal masses
a) 3.81J mol ⁻¹ K ⁻¹ . b) 8.03 3) Kilowatt hour is the unit of		
a) resistivity	Luianumii morarina	
a) Glucose by Heliu	um cl Carbon di	oxide d) Hydrogen
mportain me	mentage mior of left	a) Trydrogen
a) Ay b) Hg	c) Ma	d) Al
o) if we in soaps represents	content in soan	
a) Mineral b) Vitar	min c) fatty acid	d) Carbobydrata
The endaten condition is the	ne characteristic feature	of
a) root b) stem	c) leaves	d) flower
o) Heart of Heart" is called		
a) SA node b) AV i		
a) Neurilemma b) Sarc 10) Syngamy results in the form	mation of	The State and St
a) Zoospores b) Corio	dia c) Zygote	d) chlamydospores
11) Okasaki fragments are join	ed together by	2.00
a) Helicase b) DNA	polymerase c) RNA	orimer d) DNA Ligase
12) Which software is used to		
a) Paint b) PDF	c) MS word	d) Scratch
II. Answer any 7 questions. (Q.No		7,0,44
13) Differentiate Convex Lens a		7×2=14
14) Explain why the ceilings of	concert halls are curv	ed?
15) What is rust? Give the equ		
16) Why does the reaction rate of	of a reaction increase of	raising the temperature?
17) Name the simplest Ketone	and give its structural	formula.
18) What is respiratory quotient	1?	
19) a) Write the dental formula	of rabbit?	
b) What does CNS stand i	for?	
b) What does onto stand i	AND THE RESERVE OF THE PERSON	

20) Identify the parts A, B, C and D.



21) Why is Archoeopteryx considered to be a connecting link.

22) An electric heater of resistance 5Ω is connected to an electric source of a current of 6A flows through the heater, then find the amount of heat produced in 5 minutes.

	Part - C	A STORY
	[4] [2] [4] [4] [4] [4] [4] [4] [4] [4] [4] [4	7×4=28
the same of the sa	Describe rocket propulsion.	
	List the merits of LED bulb?	
25)	a) Match the following:-	427
Toron	A B	
	1) Fe-59 - a) Age of fossil	
	2) I-131 - b) Function of heart	
See and the second	3) Na-24 - c) Leukemia	
Post	4) C-14 - d) Thyroid disease	
b)	State whether the following statements are true or false: If false cor	rect the
	statement	-
	Elements having atomic number greater than 83 can undergo nuclea	ar fusion
26)	가게 되었다. 그리고 있는 것이 없는 것이 되었다. 그리고 그리고 있는데 그리고 있는데 그리고 있는데 그리고 있는데 그리고 있는데 그리고 있다. 그리고 있는데 그리고 있는데 그리고 있는데 그리고 있다.	
	b) i) The chief ore of Aluminium is	
- 100	ii) forms the basis of modern periodic table	
275	Differentiate reversible and irreversible reactions?	
28)	With a neat labelled diagram explain the structure of a neuron?	
	a) What is bolting?	
20,	b) What are chemical messengers?	
30)	a) State any two applications of DNA finger printing technique.	
50)	b) Differentiate between out breeding and Inbreeding?	
311	How will you prevent Soil erosion?	
321	The hydroxide ion concentration of a solution is 1×10-11M. What is	the PH
32)	of the solution?	
	Part - D	
N/ Ano	wer all the questions. (Draw the diagrams wherever necessary)	3×7=21
IV. Ans	a) i) State Boyle's law.	
33)	ii) Differentiate the eye defects:- Myopia and Hypermetropia	[or]
	b) Compare the properties of alpha, beta and gamma radiations.	
	Circ the collect features of "Modern atomic theory"	[orl

[or]

What is transpiration? Give the importance of transpiration?

Suggest measures to overcome the problems of an alcoholic.

How is ethanol manufactured from SugarCane.

b)

35) a)