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	Time	: 3.00 hrs SCIENCE Marks: 75
		Part - I
0		Answer all the questions. Choose the correct answer. $12 \times 1 = 12$
믝	1)	A convex lens forms a real, diminished point sized image at focus. Then
		the position of the object is at
100	25	a) focus b) infinity c) at 2f d) between f and 2f
9	2)	Consider the following house hold appliances are powered by the 240V mains
>		supply. Which appliance has the greatest electrical resistance?
5		a) 3KW heater b) 1KW iron box c) 100W electric fan d) 60W electeric bulb
		c) 100W electric fan d) 60W electeric bulb
1	3)	isotope is used for the treatment of cancer.
S	4)	a) Radio Iodine b) Radio Cobalt c) Radio Carbon d) Radio Nickel
9	26,736	The volume occupied by 1 mole of diatomic gas at S.T.P is
ט	5)	a) 11.2 litre b) 5.6 litre c) 22.4 litre d) 44.8 litre When pressure is increased at constant temperature the solubility of
ğ	Y West	gases in liquid
vskteaches		a) no change b) increases c) decreases d) no reaction
Y	6)	The IUPAC name of an organic compound is 3-methyl butan-1-ol. What
S		type of compound it is?
3)		a) Aldehyde b) Carboxylic Acid c) Ketone d) Alcohol
	7)	The endarch condition is the chracteristic feature of
1		a) root b) stem c) leaves d) flower
v	8)	In an healthy adult during normal resting condition systolic and diastolic
-		blood pressure is expressed as
7		a) 80mm Hg/120mm Hg b) 90mm Hg/140mm Hg
2	P.C.	c) 120mm Hg/80mm Hg d) 140mm Hg/90mm Hg
ਹ	9)	Which nervous band connects the two cerebral hemispheres of brain?
5	1 400	a) thalamus b) hypothalamus c) corpus callosum d) pons
Ö	10)	Anemophilous flowers have
N		a) Sessile stigma b) Small smooth stigma c) Colored flower d) Large feathers stigma
Answer searc	111	c) Colored flower d) Large feathery stigma Okasaki fragments are joined together by
9	11)	a) Helicase b) DNA Polymerase c) RNA Primer d) DNA ligase
S	121	Pusa Komal is a disease resistant variety of
5	903	a) Sugarcane b) rice c) cow pea d) maize
T		Part - II
2	II. A	nswer any 7 of the following. Question 22 is compulsory: $7 \times 2 = 14$
0		State Newton's Second law.
	1 TO SECURE A SECURE	Why are traffic signals red in colour?
	15	What is rust? Give the equation for formation of rust?
	16	Give any two uses of Ethanol.
	17) Define: Triple fusion.

kindly send me your key Answers to our email id - padasalai.net@gmail.com