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Q	Answer as per MS	Marks	NOTES
1	any, chemical / substance,		Any substance that modifies chemical
	taken into / AW, the body ;		reactions in the body , is called a drug.
	modifies / affects / changes /		
	AW, (chemical) reactions /		
	metabolism;		
		www.ig	rse net
2	sleeplessness ;		1. Sleeplessness
a.i	hallucinations;		
a.1	muscle cramps / restless legs ;		Hallucinations.
	nausea ;		
	vomiting ;		
	headaches ;		
	sweating;		
	aggression / agitation /		
	restlessness / anxiety / mood		
	swings / panic attacks ;		
	AVP ; e.g. shivering / diarrhea		
a.ii	(addicts) turn to crime to		Addicts turn to crime to finance their
	finance their addiction / AW ;		addiction and many even become drug
	more opportunity to become		dealers.
	drug dealers / mule/ AW ;		
b	1 harmless / dead / weakened		Addicts turn to crime to finance their
	/ attenuated, (named)		addiction and many even become drug
	pathogen / microorganisms ;		dealers.
	2 injected / ingested ;		
	3 ref to antigens ;		
	4 antigen / vaccine, triggers		
	antibody production ;		
	5 by lymphocytes ;		
	6 memory cells are produced ;		
	7 long-term immunity / rapid		
	immune response ;		
		www.ig	cse.net





3	12.5 (ng <i>cm</i> ⁻³);;		$25 \times \frac{1}{2} = 12.5 \text{ ng } cm^{-3}$
	1	www.ig	rse net
4	(nicotine is) a (chemical)		Nicotine is a chemical substance , taken into
-	substance taken into the body;		the body , that modifies chemical reactions
а	that modifies / affects /		in the body, it is addictive and can cause
	influences, (chemical reactions		with drawal symptoms when discontinued.
			with drawar symptoms when discontinued.
	in) the		
	body;		
	addictive / can cause		
	withdrawal symptoms (when		
	stopped) / AW;		
	(nicotino ic) a (chamical)		Carbon monovido hindo normananthuta
b	(nicotine is) a (chemical) substance taken into the body;		Carbon monoxide binds permanently to haemoglobin forming carboxyharmoglobin
	that modifies / affects /		which lowers the oxygen carrying capacity of
	influences, (chemical reactions		the blood.
	in) the		the blood.
	body;		
	addictive / can cause		Tar is carcinogenic . it sticks to alveoli
	withdrawal symptoms (when		leadings to reduced gaseous exchange and
	stopped) / AW;		brings about respiratory infection by sticking
	scopped, , , , , ,		to cilia.
c.i	1 more men smoked (between		More men smoked between 1950 and 1998,
	1950–1998 than women); ORA		than women, an overall decrease was
	2 both decrease overall /		observed for both during the same. Period.
	between 1950 and 1998;		Overall drop in men (82 % to 36%) was
	3 (overall) drop in men is more		more than for women $(40 - 30\%)$. in the
	(than in women); ORA Ignore		period 1950 – 1970, percentage of male
	data		smokes decreased while that of female
	4 (1950)–1970: men		smokes increased 1970 onwards both
	decreasing and women		genders decreases but the difference in
	increasing;		number was less compared to the period
	5 1970 onwards : both genders		before 1970 the maximum for male smokers
	decreasing;		was 82 % and for female smokers 50 % .
L			1





	 6 larger difference in numbers / %, before 1970s / earlier OR smaller difference in numbers / %, after 1970s / later; AW 7 maximum (implied) for women was 50% and 82% for men; 8 comparative data quote between men and women with units stated once; 		
c.ii	number of deaths by (lung) cancer shows similar trend as percentage smokers; (correlation) in both men and women / AW; lag in the death rate trend (compared with smokers) / AW; relevant data quote from both graphs; trend more obvious in men / death rate in women is increasing overall; impossible to show conclusive link; (because) cannot control experimental conditions / other lifestyle factors; AVP;		Number of death lung cancer shows a similar trend , peaking in 1956 for males and 1976 for females. The trend in males is more obvious but for females the death rate shows an increase overall. Hence, it is impossible to show conclusive link , this may be because of lack of experimental control or other lifestyle factors.
d	toxins / AW, in smoke can cross the placenta;	i	Toxin in smoke can cross the placenta and increase the risk of miscarriage , still birth , low birth weight and deformities. Smoking





		500 CC			
	increased risk, of miscarriage / still birth / premature birth / low birth weight / deformities; reduces oxygen available to the foetus / foetal brain damage; increased risk, of reduced lung, function / infection, in foetus / infants; babies more likely to become addicted / have withdrawal symptoms; AVP;	for pregnant women reduces oxygen availability to foetus increasing risk of reduced lung functions. Babies are likely to have withdrawal symptoms.			
		www.igcse.net			
5	bacteria are made of cells ; ora	Antibiotics cannot treat viral infections because virus are not made of cells.			
		www.igcco.pot			
www.igcse.net					
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