OBJECTIVE TYPE QUESTIONS

with passage of time	the mol	ar concentrations	of reactants:
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(A) Decreases

(B) Increases

(C) Remains constant

(D) None of these

2. The molecularity of a reaction:

(A) Is a fraction

(B) A whole number

(C) May be fraction or whole number

(D) None of these

3. The order of a reaction depends on:

(A) The stoichrometric representation

(B) Number of molecules involves in the slowest step

	(D) None of the above	In your SIN 2	
4.	The role of a catalant		
	The role of a catalyst is to: (A) Decrease actions:	m I have activation	n energy
	(A) Decrease activation energy	(B) Increase activation	m chergy
5.	(C) Decrease internal energy	(D) Increase enthalpy	randa adah. Albarah Kasa
	The activation energy is primarily depend		
	(A) Nature of reactants	(B) Nature of produc	ets
٠, ٠	(C) Temperature	(D) Concentration of	reactants and products
6.	Molecularity of a reaction is:	Me col	
	(A) Number of reacting species take part in	n slowest step	
	(B) The sum of reactants and products	i di Naga	
	(C) The number of reactants in each step	134.705.3	
	(D) None of the above		
7.	A zero order reaction is:	U00000	
	(A) Independent of initial concentration (C) Varies inversely with initial	(D) D	
	(C) Varies inversely with initial concentration. The characteristics of G	(B) Dependent on init	nal concentration
8.	The characteristics of first order reaction is	on (D) None of these	
	(A) It get completed in a short time (C) It may be completed within by	(D) T:	
	(C) It may be completed within hundred y	(B) It never get compl	cted
	(D) None of these		
۹.	Hydrolysis of ethyl acetate (acid catalyzed)	K. = K. Y 6 M25 x 1	
	(A) First order reaction	is an example of:	
	(C) Pseudo first order reaction	(B) Second order react	
10.	Order of a reaction rarely exceeds:	(D) Zero order reaction	ı
	(A) One (B) Two	(C) TI	
11.	The unit of rate constant for first order reac	(C) Three	(D) Four
	(A) Time ⁻¹ (B) Litre mol ⁻¹ sec ⁻¹	(C) I :::	
12.	For an effective collision between the molecular (A) Only energy barrier	Culos the l	(D) Litre mol ⁻² sec ⁻¹
	(A) Only energy barrier		
	(C) Both (A) and (B)	(B) Only orientation ba	rrier
13.	For most of the reactions the temperature of	Oottie:	ECTIVE TYPE QUES
	(A) 2 to 3 (B) 1 to 2 The rate constant of a reaction depends on: (A) Time (B) Mass	DA (C) 2 10 (landers not set	New Address of the Control of the Co
14.	The rate constant of a reaction depends on:	ficial (C) S to 4	(D) zero
	(A) Time (B) Mass	(C) Tomm	Harry A. (K)
15.	The minimum energy required for the react (A) Kinetic energy	(C) Temperature	(D) Volume
	(A) Kinetic energy		
	(C) Activation energy	(D) Thermal on the latest the control of the latest the	si awayan kara (ba
16.	For an exothermic reaction the energy of act (A) Positive (B) Negative	uvation ie.	equi noncer e to relata dell'
	(A) Positive (B) Negative	(C) Zero	(D) Cannot be predicted
	경제 불교회 중요 교회의 교회 경기 경기 교		(D) Cannot be predicted

7. For an endothermic reaction the energy of a (A) Zero (B) Positive	101 11		
For the hypothetical reaction, $2A \rightarrow 3$ C, concentration is given by:		- 10 1 1 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
(A) $r = -\frac{d[A]}{dt}$ (B) $r = \frac{1}{2} \frac{d[A]}{dt}$	(C) $r = \frac{1}{3} \frac{d[C]}{dt}$	$(D) r = \frac{d[C]}{dt}$	na natifi <u>est</u> na natifi <u>est</u>
The rate constant of a reaction depends upo	on:	and the second	arth citt
(A) temperature	THE THEFT IS NOT THE		Ab 75 C
(C) time of reaction	(B) initial concentratio	n Imberogabats ylispai	* e (h);
20. If the concentration of a reactant A is quadr reaction w.r.t. A is:	(D) extent of reaction ruples and the rate of the r	eaction is doubled	t, the order of
(A) first	(B) one-half		· (*)
(C) zero	(D) second		1944 (17)
21. For the half-life period of a first order reac false?	ction, which one of the fol		ts is generally
(A) It is independent of initial concentration		arry to country, and	
(B) It is independent of temperature	199	mur and they are	
(C) It decreases with the introduction of a	catalyst		
(D) It increases with increase of temperatu	(4) }	(8) 2	
22. The reaction: $2NO_2(g) \longrightarrow 2NO(g) + O_2(g)$ of NO_2 in the reaction mixture is doubled,	obeys the second order rat	e law. When the p	
(A) remain unchanged	(B) get doubled	26 (B)	25. (()
(C) would become four times the original	rate	, and	
(D) would decreases			
23. The unit of rate constant for a zero order	reaction is:	A BYNK	ONESTIO
Company of the Compan	(P) litro molo-1 coc-1		
the state of the s	(D) mole sec-1	andra Museum and	4/3 (9) 11
(C) mole litre ⁻¹ sec ⁻¹ 24. The second order rate constant is usually	expressed as:	gara a sentra como a La como de como como como como como como como com	Hayar
(A) mole litre sec	(B) mole ⁻¹ litre ⁻¹ sec ⁻¹ (D) mole ⁻¹ litre sec ⁻¹	rominitarios nos	advi ha
(C) mole litre ⁻¹ sec ⁻¹	(D) mole ⁻¹ litre sec ⁻¹	t de was anderes	UHV (8) \$
25. The time taken for the completion of 99%	or a first order reaction, w		A 100
(A) 2 × 0.693 days	(B) 0.3010×0.693 day	ys according dinguis	and sadWL I
(A) 2×0.693 days return the result of	(D) 2.303×0.693 day	Sulgarine entitle	serial bases
(C) 2×2.303 days 26. For the first order reaction, half-life is 14 s	s. The time required for the	initial concentrati	on to reduce to
26. For the first order reaction,	s. The time required for the min ship so shor	Hate sales dire as	THE COLUMN
	The second president of the Paris of the Par		and the second second
Anterion to VETOP A2 s	(C) (14) ³ s	(D) (14)-s	Market Write
(A) 28 s (B) 42 another rel	s on (i) Acres not complex	anar - mannangs	magazina New York

۷1. ا	If E_f and E_r are the acbe exothermic, then:	ctivation energies	of forward and r	everse reaction	is and the reac	tion is known to
	$(A) E_f > E_r$	(B) E	$\epsilon < E_r$		(C) $E_f = E_r$	
	(D) no relation can b			are not sufficien	nt.	
28.	The activation energ					
	(A) increases with ir					r of well
	(B) decrease with ar					
	(C) decrease with de			arogety, no have	a simply alemb	gelen with of
	(D) is nearly indepe				stalle is	Total Sty.
29.	The activation of the is:	forward and reve	rse reaction are 30	.5 and 45.4 kJ m	ole ⁻¹ respectiv	ely. The reaction
	(A) exothermic		(B) endo	thermic		MARKE TRANS
	(C) neither exotherr	nic nor endotherm	nic (D) indep	pendent of tem	perature	
30.	Two reactions occur different rates. The	ring at the same to	emperature and s		•	reactants have
	(A) higher activation	n energy	(B) lowe	r activation ene	rgy	~ × v
	(C) higher collision number (D) lower collision number			n 1 Abrill 1 was a was a single		
	•		Answers	eprot incared	in the special parties	red till
1.	(A) 2. (B)	3. (B	4. (2	A)	5. (C)	6. (C)
7.	(A) 8. (B	9. (C	10. (0		I. (A)	12. (C)
13.	(A) 14. (C	C) 15. (C	16. (1		7. (D)	18. (C)
19.) 22. ((3. (B)	24. (C)
25.	(C) 26. (B)	27. (B) 28. ((29	9. (A)	30. (B).
			7			