

ADDITIONAL MULTIPLE CHOICE QUESTIONS

1.	Matter is composed	Matter is composed of tiny indivisible particles called:						
	(a) Element	(b) Atom	(c) Compound	(d) substance				
2.	Atom of the same e	lements are		# 15				
	(a) Different	(b) Alike	(c) Comparable	(d) Active				
3.	Gas discharge tube	experiment was per	rformed by:					
	(a) J.J. Thomson	(b) Rutherford	(c) Dalton	(d) William				
	Crooks							
4.	The pressure inside the discharge tube for the discovery of electron was kept							
	(a) 10^4 atm	(b) 10 ⁻⁴ atm	(c) 10^{14} atm	(d) 10 ⁻¹⁴ atm				
5.	Who was the pione	er of the vacuum tu	bes?					
	(a) William Crooks	(b) Rutherford	(c) Bohr	(d) Dalton				
6.	The nature of canal rays depends upon:							
	(a) Nature of anode	7 E A	(b) Nature of Catho	(b) Nature of Cathode				
	(c) Nature of gas		(d) Nature of particl	(d) Nature of particles				
7.	The mass of proton is times more than that of an electron:							
	(a) 1830	(b) 1840	(c) 2	(d) 3				
8.	Which one of the	followings is produ	uced by the bombard	ment of the heliun				
	particle on berylliu	m?						
	(a) Alpha particle	(b) Beta particle	(c) Neutron	(d) Gamma rays				
9.	The highly penetral	ting rays are:	5 40					
	(a) Alpha particle	(b) Beta particle	(c) Neutron	(d) Both a & b				
10.	Neutron was disco	vered by		_ ` `\				
		(b) Chadwick	(c) Bohr	(d) William				
	Crooks							
11.	In α -scattering exp	eriment Rutherfor	<mark>d used the foil made u</mark>	p of:				
	(a) Silver	(b) Tin	(c) Platinum	(d) Gold				
12.	Alpha particles are	emitted by radioac	ctive element:					
	(a) Carbon	(b) Polonium	(c) Neon	(d) Vanadium				
13.	Rutherford used th	e photographic pla	te coated with	11.74 (20.450)				
	(a) Zinc sulphide			(d) Zinc sulphate				
14.	Who is the father o	f nuclear chemistry	?					
	(a) Rutherford		(c) William Crooks	(d) Joseph Proust				
15.	According to quant	um theory which ty	pe of spectrum is show	vn?				
	(a) Continuous spect	rum	(b) Line spectrum	(b) Line spectrum				
	(c) Emission spectru	m	(d) Absorption spec	(d) Absorption spectrum				
16.	Which of the follow	ing are fundamenta	al particles of an atom					
	(a) Ion	(b) Molecular ion	(c) Electron (d) Positron					
17.	Matter is composed	of tiny indivisible	particles called:					
	(a) Ion	(b) Free radical	(c) Atoms	(d) Molecules				
18.	The meaning of Lat	tin word 'atom' is:	\$1059	Ø 53				
	(a) Chroma	(b) Divisible	(c) Atomos	(d) Same place				
19.	Rutherford used a	thin sheet of gold of		SS 2 -				
	(a) 0.00004cm	(b) 0.004cm	(c) 0.0004cm	(d) 0.04cm				
20.	Canal rays were dis		N. Z.	3.2				
and the second second	(a) Goldstein	(b) Thomson	(c) Dalton	(c) Dalton (d) William				
	Crooks		/ /	NEW MONETON				
21.	Protons were discov	vered by:						
action 51	(a) Thomson	(b) Chadwick	(c) Moseley	(d) Goldstein				
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	()	(-)	1				

22.	Rutherford boml	barded a thin sheet	of gold with:					
	(a) α-particles	(b) β-particles	(c) γ-particles	(d) x-rays				
23.	Which apparatus	s was used by Sir W	illiam Crooks in his ex	periment?				
	(a) Test tube cell	(b) Gas discharge	tube (c) Zinc plate	(d) Electrolytic				
24.		fundamental partic	les of an atom?					
- 1,	(a) Ion, radicals, f			tons neutrons				
	100.00	ons, cathode rays		(b) Electrons, protons, neutrons(d) Canal rays, x-rays, gamma rays				
25.	The electrons rev	2000년 : 1 전에 150	(a) Canarrays, x-	rays, gamma rays				
25.	(a) Atom	(b) Nucleus	(c) Protons	(d) Neutrons				
26.			ube affects the nature of	Maria National Conference of the property of the conference of the				
	TARREST CHARLES							
	(a) Canal rays	(b) x-rays	(c) Cathode rays	(d) β-rays				
27.	[[[[[[[[[[[[[[[[[[[[[re basically nucleus		(1) II 1'				
	(a) Lithium	(b) Sodium	(c) Potassium	(d) Helium				
28.		odel was put forwa	A STATE OF THE STA	(1) (1) 1 1 1				
- 2012	(a) Dalton	(b) Thomson	(c) Goldstein	(d) Chadwick				
29.	Neil Bohr won th							
	(a) 1914	(b) 1918	(c) 1922	(d) 1926				
30.	Canal rays travel	l in a straight line ir	a directiont	o cathode rays.				
	(a) Opposite	(b) Same	(c) Parallel	(d) None of these				
31.	Rutherford, Mosele	y, Bohr and other scien	nti <mark>sts</mark> p <mark>erformed experime</mark>	nts and revealed that:				
	(a) Atom has com	plex nature	(b) Atom is neutra	al				
	(c) Atom can be d	ivisible	(d) Atom is beyon	nd understanding				
32.	Canal rays carry		380 2					
	(a) +ve charge	(b) -ve charge	(c) Neutral	(d) None of these				
33.		carbon is in abund	AND COMPANY AND ARCHITECTURE OF THE COMPANY AND ARCHITECTURE AND ARCHITECT	(1)				
	(a) ¹² C	(b) ¹³ C	(c) ¹⁴ C	(d) Both a and b				
34.		fferent number of:		(u) Dom a and o				
J4.	(a) Electron	(b) Proton	(c) Neutron	(d) Charge				
35.		ll is more than the		(u) Charge				
33.	(a) K	(b) K, L	(c) K, L, M	(d) L, M				
36.	Quantum means:			(u) D, W				
50.	(a) Fixed volume	(b) Fixed energy	(c) Fixed pressure	e (d) Fixed				
	temperature	(b) Tixed energy	(c) Fixed pressure	(u) Fixeu				
37.	The subshells of	M-shall ara						
37.	(a) s, p	(b) s, p, d	(c) s, p, d, f	(d) s, d, f				
38.		mmodate a maximu	ım of electrons.	(u) s, u, 1				
30.	(a) 8	(b) 2	(c) 18	(d) 32				
39.		e electronic configu		(u) 32				
37.	(a) $1s^2$, $2s^2$, $2p^6$, 3		(b) $1e^2 2e^2 2n^6 3$	(b) $1s^2$, $2s^2$, $2p^6$, $3s^2$, $3p^6$				
	(c) Both a and b	3		(d) None of these				
40.		electronic configur						
40.	(a) $1s^2$, $2s^2$, $2p^6$, 3		(b) $1s^2$, $2s^2$, $2p^6$, 3	2c2 2n6				
	(a) $1s^2$, $2s^2$, $2p^6$, 3		(d) $1s^2$, $2s^2$, $2p^6$, 3					
41.			(u) 18, 28, 2p, 3	, sp				
41.	The value of Plan		(a) 6.62×10-19 Ia	(d) 6 62×10-12 Ia				
12	(a) 6.62×10 ⁻³⁴ Js	(b) 6.62×10 ⁻²⁴ Js		(d) 6.62×10^{-12} Js				
42.		2 Hand - 15 시간 (10 Hand)	n the discovery of prot					
12	(a) Cathode rays	(b) Canal rays	(c) x-rays	(d) Alpha rays				
43.	(a) J.J. Thomson	rbit was introduced (b) Rutherford	(c) Bohr	(d) Planck				
	(a) J.J. I HOIHSOH	(U) Rumonolu	(C) DOIII	(u) I faller				



- 44. Deutrium is used to make:
 - (a) Light water
- (b) Heavy water
- (c) Soft water
- (d) Hard water

- 45. Co-60 is the source of:
 - (a) X-rays
- (b) Beta radiations
- (c) Alpha particles
- (d) Gamma rays
- For the production of cathode rays the pressure of gas inside the discharge tube 46. was Kept:
 - (a) 10^{-1} atm
- (b) 10⁻²atm
- (c) 10⁻⁴atm
- (d) 10⁻⁵atm

- Which one of the shells contains f-subshells? 47.
 - (a) K
- (b) L
- (c) M
- (d) N
- Which one of the followings has only one neutron in its nucleus? 48.
 - (a) Protium
- (b) Deutrium
- (c) Tritium
- (d) Helium

- 49. Beta radiations are emitted by: (b) C-12
 - (a) Co-60

50.

- Rutherford won nobel prize in:
- (c) S-16 (c) 1908
- (d) Sr-90 (d) 1910

- (a) 1909 (b) 1906 ${}^{9}_{4}\text{Be} + {}^{4}_{2}\text{He} \longrightarrow {}^{12}_{6}\text{C} + ?$ 51.
 - (a) ${}_{0}^{1}$ p
- (b) $_{0}^{-1}$ e
- $(c)_{0}^{1}n$
- (d) ${}_{2}^{4}He$



	No. of Concession, Name of Street, or other Persons, Name of Street, or other Persons, Name of Street, Name of								
1	b	12	b	23	b	34	c	45	d
2	b	13	a	24	b	35	C	46	c
3	d	14	a	25	b	36	b	47	d
4	b	15	b	26	a	37	b	48	b
5	a	16	c	27	d	38	d	49	d
6	c	17	с	28	b	39	b	50	c
7	b	18	a	29	c	40	с	51	c
8	c	19	a	30	a	41	a		
9	С	20	a	31	c	42	b		
10	b	21	d	32	a	43	С		
11	d	22	a	33	a	44	b		