ATOMIC ENERGY CENTRAL SCHOOL No. 4 (RAWATBHATA)

Multiple Choice Question (MCQ) Test

Month - NOVEMBER & DECEMBER (2018-19)

Class: X

1	The	area of two conce	entric	circles are 962.5 cm ²	and 13	86 cm ² respectively.	The w	vidth of the ring is
	A)	3.5 cm	B)	4.5 cm	C)	5.6 cm	D)	None
2	The	perimeter of a se	ector o	of a circle of radius 5.2	2 cm is	16.4 cm. The area o	f the s	ector is
	A)	15.8 cm^2	B)	15.6 cm^2	C)	16.8 cm^2	D)	None
3			•	g wheel of a bus is 14 p a speed of 66 km/hr		How many revolution	ns per	minute must the
	A)	240	B)	250	C)	200	D)	220
4	The	ratio of the areas	of th	e incircle and circumo	circle o	f an equilateral trian	gle is	
	A)	1:2	B)	1:3	C)	1:9	D)	1:4
5		e area of a circle ircle is	be eq	ual to that of a square	, then t	he ratio of the side o	f the s	quare and radius of
	A)	$\sqrt{\pi}:1$	B)	$1:\sqrt{\pi}$	C)	$1:\pi$	D)	П:1
6	If th	e radius of a circ	le is in	ncreased by 50%, then	ı its are	ea will be increased b	оу	
	A)	50%	B)	100%	C)	125%	D)	150%
7	If th	e radius of a circ	le is d	ecreased by 50%, the	n its ar	ea will be increased	by	
	A)	25%	B)	50%	C)	75%	D)	60%
8	The	area of the squar	e that	can be inscribed in a	circle o	of radius 8 cm is		
	A)	256 cm^2	B)	128 cm^2	C)	$64\sqrt{2}$ cm ²	D)	64 cm^2
9	The	area of the circle	that o	can be inscribed in a s	quare o	of a side 6 cm is		
	A)	$36 \pi \text{cm}^2$	B)	$18 \pi \text{ cm}^2$	C)	12 m cm^2	D)	$\pi \text{ cm}^2$
10	The	area of the larges	st circ	le that can be drawn i	nside a	square of side 6 cm	in len	gth is
	A)	$36 \pi \text{ cm}^2$	B)	$9 \mathrm{m cm^2}$	C)	$18 \pi \mathrm{cm}^2$	D)	$12 \pi \mathrm{cm}^2$
11	If ar	arc forms 72° at	t the c	entre of the ciecle, the	en the r	ratio of its length to o	circum	ference of circle is
	A)	1:5	B)	1:2	C)	1:3	D)	1:4
12	The	perimeter of a se	ector o	of a circle of radius 4.5	5 cm is	25 cm. The area of t	he sec	etor will be
	A)	18 cm ²	B)	36 cm ²	C)	9 cm^2	D)	27 cm^2
13		or segment will be		us 10 cm subtends a ri = 3.14)	ght ang			
	A)	28.5 cm^2	B)	57 cm ²	C)	23.5 cm^2	D)	27.5 cm^2
14		ece of wire 20 cr e. The radius of		g is bent into the form cle will be	of an a		ding a	n angle of 60° at its
	A)	$60/\pi$	B)	$30/\pi$	C)	$45/\pi$	D)	none
15	The	_	ector o	of a circle of radius 5.2	2 cm is		f the s	
	A)	15.6 cm ²	B)	156 cm ²	C)	31.2 cm^2	D)	7.8 cm^2

16	The	The perimeter of a semicircular region of radius r is								
	A)	2 π r	B)	Пг	C)	$2 \pi r + r$	D)	$\Pi r + r$		
17	If the perimeter of circle is equal to that of a square, then ratio of their area is									
	A)	22:7	B)	14:11	C)	7:22	D)	11:14		
18	The ring		diame	eters of a circular ring	are 34	cm and 32 cm respec	ctively	y, then the area of the		
	A)	66π	B)	60π	C)	33 π	D)	29 π		
19		e ratio of the area al is	s of a	circle and an equilater			and s	ide are respectively		
	A)	Π : √2	B)	$\sqrt{2}$: π	C)	$\sqrt{3}$: π	D)	$\pi:\sqrt{3}$		
20	If the sum of the circumference of two circles with the radii R_1 and R_2 is equal to the circumference of									
		rcle of radius R, $R_1+R_2=R$	B)	$R_1+R_2>R$	C)	$R_1+R_2 < R$	D)	none		
21	Wh	nat were the Corn	Laws	3?						
	A)	They were passed by the British Government to restrict the import of corn.	B)	They were passed by the British Government to restrict the export of corn.	C)	They were passed by the French Government to export corn to Canada.	D)	They were passed by the America to import corn from other countries.		
22	Na	me the people wh	o did	not contribute in mak	ing the	e human societies mo	re inte	erlinked?		
	A)	Travelers	B)	Traders	C)	Imperialists	D)	Priests		
23	Wh	no were the first E	Europe	eans to conquer Ameri	ica?					
	A)	The French	B)	The Portuguese	C)	The Italian	D)	The Germans		
24	Wh	nere was the Chut	ney n	nusic popular?						
	A)	China	B)	Japan	C)	North America	D)	South America		
25	Wh	nat is Rinderpest?								
	A)	A cattle disease in Africa	B)	A cattle disease in China	C)	A cattle disease in U.S.A.	D)	A cattle disease in Russia		
26	Wh	nich one country v	was no	ot a part of Central Po	wers i	n the First World Wa	r?			
	A)	Germany	B)	Austria- Hungary	C)	Turkey	D)	U.S.A.		
27	Glo	obalization does n	ot inv	volve which one of the	follov	wing?				
	A)	Rapid integration between countries	B)	More goods and services moving between countries.	C)	Increased taxes on imports.	D)	Movement of people between countries for jobs, education etc.		
28	The	routes which kni	tted t	ogether, vast regions o	of Asia	•	rthern	Asia?		
	A)	Silk route	B)	Royal route	C)	Golden Quadrilateral	D)	National Corridor		
29	Fro	·	did n	noodles travel to west?						
	A)	India	B)	Germany	C)	China	D)	Russia		
30	long	g isolation?		ntinent's original inha						
	A)	Africa	B)	America	C)	Asia	D)	Europe		

31	Who was the well known pioneer of mass production?									
	A)	Michele Jones	B)	Henry Ford	C)	Abraham Lincon	D)	James Paul		
32	Wh	ich countries orga	anizeo	d a group called G-77	?					
	A)	Developing Countries	B)	Developed Countries	C)	Undeveloped Countries	D)	African Countries		
33	Which of the following is not a feature of Multinational Company?									
	A)	It owns or controls production in more than one nation	B)	It sets up factories where it is close the market	C)	It organizes production in a complex way.	D)	It employs labour only from its own country.		
34	Inv	estment made by	Multi	national Companies is	s calle	d?				
	A)	Trade Barriers	B)	Foreign Investment	C)	Grants	D)	Enterprise		
35	Wl	hen did ford moto	rs co	me to India?						
	A)	1995	B)	1922	C)	1990	D)	1900		
36	inv	estment?	dian g	government decided to	remo	_	n trade	e and foreign		
	ĺ	1991	B)	1995	C)	1990	D)	2003		
37	Na	me the organizati	on wl	hich lays emphasis on	libera	lization of foreign tra	ade an	d investments.		
	A)	WTO	B)	UNDP	C)	UNESCO	D)	UNICEF		
38	Wh	at is SEZS?								
	A)	Special Economic Zone	B)	Special Export zones	C)	Special Excise zones	D)	Special employment zones		
39	Wl	hich of these is an	n Indi	an MNC?						
	A)	Infosys	B)	Ranbaxy	C)	Tata Motors	D)	All of these		
40	Wl	hat is the main fea	ture (of new economic police	cy?					
4.1	-	Privatisation		Globalisation	C)	Liberalisation	D)	All of these		
41		person cannot see power	distii	nctly objects kept beyo	ond 2	m. This defect can be	e corre	cted by using a lens		
	A)	+ 0.5 D	B)	– 0.5 D	C)	+ 0.2 D	D)	– 0.2 D		
42										
43	(A)	noon the sun app light is least scatt	tered	(B) al		colours of the white li	_	e scattered away		
44		blue colour is sca		d the most (D) re- nenomena of light are		our is scattered the m		nhow?		
44		Reflection, refrac		_				otal internal reflection		
45	Tw	Refraction, dispervinkling of stars is dispersion of light	due	_	(D) D	ispersion, scattering	and to	tal internal reflection		
	(B)	refraction of ligh	t by c	lifferent layers of vary	ing re					
	(C) scattering of light by dust particles (D) internal reflection of light by clouds									

46 47	from a distance because among all other colour (A) is scattered the most by smoke or fog					ouildings are red in colour. These can be easily seen rs, the red light (B) is scattered the least by smoke or fog (D) moves fastest in air					
	A)	Cr	B)	Н	C)	Al	D)	Li			
48	Wh	nich one of the fol	lowin	g does not increase	while moving down in a group?						
	A)	Atomic radius	B)	Metallic character	C)	Valency	D)	Number of shells			
49	The elements A, B,C,D,E have atomic numbers 9, 11, 17, 12,nd 13 respectively. Which pair of elements belongs to the same group? A) A & B B) B & D C) A & C D) D & E										
50	Wh	nich of the followi	ing ou	termost shell for ele	ements o	f second period?					
	A)	K shell	B)	M shell	C)	L shell	D)	N shell			
51	Wh	nich among the fo	llowir	ng elements has the	largest a	tomic radii?					
	A)	Na	B)	Mg	C)	K	D)	Ca			
52	Wh	nich of the follow	ing ele	ements does not lose	e electro	ns easily?					
	A)	Na	B)	F	C)	Mg	D)	Al			
53	Arı	ange the followir	ng eler	nents in order of the	eir decre	asing metallic charac	eter : N	Va, Si, Cl, Mg, Al			
54	A) Ara	Cl> Si>Al>Mg>Na abari forest of Ber	B) ngal is	Na>Mg>Al>Si>Cl s dominated by	C)	Na>Mg>Al> Cl>Si	D)	Al>Na>Si>Ca>Mg			
	A)	Teak	B)	Sal	C)	Bamboo	D)	Mangrove			
55	In t	he given food ch	ain, su	ppose the amount of	of energy	of fourth trophic lev	el is 5	kJ, what will be the			
	enei	gy available at pr 5 kJ			C)	500kJ	D)	5000kJ			
56	Eve	olutionary history	of a g	group of organisms	is called	?					
	A)	Heredity	B)	Genetics	C)	Phylogeny	D)	Evolution			
57	In 1	nature pea plants	are								
	A)	Self pollinated		Insect pollinated	C)	Bird pollinated	D)	Pollinated by humans			
58			_	of a gene are there in	_						
	A)	One	B)	Two	C)	Many	D)	None			
59		•		el which one is / ar							
	A)	Tall height	B)	Seed shape round	C)	Seed colour yellow	D)	All of these			
60	Ind	ependent inherita	nce of	f two traits can be p	roved bt	yello w					
	A)	Monohybrid cross	B)	Dihybrid cross	C)	Both monohybrid and dihybrid cross	D)	Molecular phylogeny			

Answer Key (Class X)

1	2	3	4	5	6	7	8	9	10
A	В	В	D	A	С	С	В	D	В
11	12	13	14	15	16	17	18	19	20
A	В	A	A	A	D	В	C	D	A
21	22	23	24	25	26	27	28	29	30
A	C	В	D	A	D	C	A	C	A
31	32	33	34	35	36	37	38	39	40
В	A	D	В	A	A	A	A	D	D
41	42	43	44	45	46	47	48	49	50
В	A	В	В	В	В	D	C	C	C
51	52	53	54	55	56	57	58	59	60
С	В	В	В	D	C	A	A	D	В