

#### Lindbillig your you

#### SAMPLE QUESTIONS

CEO :: Class - 3 to 6

1.	That's what I wou	ıld like	_ Christmas		
	a) for	b) at	c) in	d) are	
2.	The thing	to remember is			
	a) superior	b) premier	c) premium	d) first	
3.	Ah there you	! I wondered wh	ere you were?		
	a) be	b) were	c) are	d) have been	
4.	I say, you've just	on my foot?			
	a) stuck	b) stode	c) struck	d) trodden	
5.	So let's go	_ to the beginning			
	a) on back	b) back	c) for	d) over	

1.	A bird breathes and eats with the help of its				
	a) mouth	b) beak	c) nose	d) claws	
2.	To protect birds w	we must grow more			
	a) trees	b) animals	c) insects	d) worms	
3.	The ladybird beetle and the dragonfly are				
	a) poisonous insects		b) harmful insects		
	c) useful insects		d) not insects		
4.	Digestion of food is completed in the				
	a) stomach		b) large intestine		
	c) anus		d) small intestine		
5.	Waste materials f	from the blood are	removed by the		
	a) heart	b) mouth	c) kidneys	d) stomach	

## CSO :: Class-4

1.	Which	of	these	processes	are	best	suited	to	remove	insoluble
	substar	nces	s from v	vater?						
	a) Disti	llati	on and	Evaporatio	n	b) S	Sedimen	tatio	on and de	ecantation
	c) Sedir	nen	tation,	Decantatio	n, an	d Filtr	ation	d) .	All of the	se
2.	Which o	of tł	nese is	the solute i	n a si	ugar s	olution?	)		
	a) Suga	r		b) Milk		c) V	Vater		d) Noi	ne of these
3.	Which o	of tł	nese wo	ould you to	separ	ate sa	lt from v	wate	er	
	a) Sedir	nen	tation			b) I	Decantat	ion		
	c) Filtra	tior	ı			d) E	Evaporat	ion		
4.	Which o	of tł	nese do	es soil cont	ain?					
	a) Sand	L			b) F	Remair	ns of dea	id p	lants and	l animals
	c) Mine	rals			d) A	all of th	nese			
5.	Which o	of tl	hese re	fers to the	rema	ins of	dead pl	ants	s and and	imals that
	get mix	ed v	with soi	1?						
	a) Sand	L		b) Clay		c) H	Iumas		d) Gra	avel

1.	Which of the follo	wing is a sublimat	ole compound		
	a) naphthalene ba	alls	b) common salt		
	c) sugar		d) chalk		
2.	The layer of soil	which is rich in o	rganic matter, dai	rk in colour and	
	suitable for growth of plants is				
	a) top soil	b) subsoil	c) bed rock	d) none of these	
3.	The process of rer	noval of fertile top	soil by the action o	f wind and water	
	is called				
	a) Soil erosion		b) Soil conservation		
	c) Rock erosion		d) None of the above		
4.	Soil is classified in	nto main	types		
	a) four	b) three	c) one	d) five	
5.	The image formed	l in a mirror is due	e to		
	a) reflection	b) shadow	c) refraction	d) energy	

# CSO :: Class-6

1.	Substance which allow light to pass through them are called				
	a) translucent	b) opaque	c) transparent	d) All of these	
2.	Which of the follo	wing is non-lumin	ous object		
	a) sun	b) candle	c) oil lamp	d) water	
3.	A cell converts	energy i	nto ene	rgy	
	a) heat, electrical		b) electrical, heat		
	c) chemical, electr	rical	d) electrical, chemical		
4.	Filament of the bu	ulb is made of			
	a) Zinc	b) Copper	c) Tungsten	d) Electrolyte	
5. Kerosene oil is an example of					
	a) Conductor	b) Insulator	c) Electrolyte	d) None of these	

1. Which of the following statement is true? a) 1 is a prime number b) 1 is neither a prime nor a composite number c) A prime number will have the number itself as one of its factors. d) A composite number will have only two factors. Solve:  $5\frac{1}{3} + 4\frac{2}{5} =$ \_\_\_\_\_ 2. Solve  $13\frac{2}{3} + 7 - \frac{1}{4} =$ \_\_\_\_\_ 3. Change the following fractions as decimals: 4. (iii)  $\frac{82}{100}$  (iii)  $1\frac{2}{5}$  (iv)  $9\frac{1}{4}$  (v)  $14\frac{1}{8}$ (i)  $\frac{1}{5}$ 5. Change the following decimals as fractions: (i) 1.5 (ii) 1.23 (iii) 0.625 (iv) 1.42 (v) 9.45 CMO :: Class-8 1. What least number must be multiplied to 3456 so that the product becomes a perfect cube? a) 2 b) 3 c) 4 d) 6 2. The one's digit of 107<sup>3</sup> is a) 3 b) 7 c) 9 d) 0 Evaluate :  $\sqrt[3]{27} + \sqrt[3]{0.008}$ 3. a) 3.4 b) 3.1 c) 3.3 d) 3.2 The value of  $\frac{\sqrt[3]{8} + \sqrt[3]{27} - \sqrt[3]{343}}{(2)^2 - 3}$  is 4. a) 7 b) -2 c) 8 d) -5 Find the value of the expression (9x<sup>2</sup> + 25y<sup>2</sup> – 30xy), when  $x = \frac{2}{3}$  and 5.

 $y = \frac{3}{5}$ a) 1 b) -1 c) 2 d) -2

1.	If $4^{44} + 4^{44} + 4^{44} + 4^{44} = 4^x$ , then x is					
	a) 45	b) 44	c) 176	d) 11		
2.	If $\left(a + \frac{1}{a}\right)^2 = 9$ the	en $a^3 + \frac{1}{a^3}$ equals				
	a) $\frac{10\sqrt{3}}{3}$	b) 3√3	c) 18	d) 7√7		
3.	Factors of (42 – x	$-x^{2}$ ) are				
	a) $(x-7), (x-6)$		b) $(x + 7), (x - 6)$			
	c) $(x + 7)$ , $(6 - x)$		d) $(x-7)$ , $(x+6)$			
4.	Degree of the polynomial $p(x) = (x+2)(x-2)$ is					
	a) 4	b) 5	c) 3	d) 1		
5.	If $3x + \frac{2}{x} = 7$ , then	$n\left(9x^2-\frac{4}{x^2}\right)=$				
	a) 25	b) 35	c) 49	d) 30		

#### CMO :: Class-10

If  $\alpha$ ,  $\beta$  and  $\gamma$  are the zeroes of the polynomial  $f(x) = ax^3 + bx^2 + cx + d$ , 1. then  $\frac{1}{\alpha} + \frac{1}{\beta} + \frac{1}{\gamma} =$ c)  $-\frac{c}{d}$ a)  $-\frac{b}{d}$  b)  $\frac{c}{d}$ d)  $-\frac{c}{a}$ Find the value of k, for which the polynomial  $p(x) = x^{100} + 2x^{99} + k$  is 2. exactly divisible by (x + 1). d) -3 a) 1 b) 0 c) -1 The value of  $1.\overline{34} + 4.1\overline{2}$  is 3. a)  $\frac{133}{990}$ c)  $\frac{5169}{990}$ b)  $\frac{371}{290}$ d)  $\frac{5411}{990}$ If *a* is any natural number, then  $9^n = 5^n$  ends with 4. b) 4 or 6 a) 3 c) 5 d) 8 If a number is divided by 6, the remainder is 3 then what will be the 5. remainder when the square of the same number is divided b 6 again? a) 0 b) 1 c) 12 d) 3

- 1. When the length and area of cross-section both are doubled, then its resistance 1) Will become half 2) Will be doubled 3) Will remain the same 4) Will become four times 2. The unit of potential difference is 1) Ampere 2) Volt 3) Ohm 4) Coulomb 3. How many electrons constitute a current of 1A is following through a conductor in 1 sec? 1) 6.25 x 10<sup>18</sup> 2) 6.25 x 10<sup>13</sup> 3) 6.25 x 10<sup>11</sup> 4) 6.25 4. When the temperature of a metallic conductor is increased its resistance 1) Always decrease 2) Always increase 3) May increase (or) decrease 4) Remain the same 5. State whether the resistance of filament of a bulb will decrease, remain unchanged or increase when it glows 1) Decrease 2) Increase 3) Remains constant
  - 4) Sometimes increases and sometimes decreases

1.	The maximum value of static friction is called				
	1) Limiting friction	2) Static friction			
	3) Kinetic friction	4) Rolling friction			
2.	A plane mirror produces a n	agnification of			
	1) Zero	2) -1			
	3) +1	4) Between 0 and +1			
3.	Which one of the following is	not a unit of pressure?			
	1) Pascal 2) Bar	3) Newton 4) atm			
4.	When a body is charged by a	ıbbing, its weight			
	1) remains precisely constant	2) increases slightly			
	3) decreases slightly	4) may increase or decrease			
	slightly				
5.	is the main cause of we	r and tear to tyres			
	1) Poor quality of machine				
	2) Friction acting between t	res and road			

- 3) Gravitational force of earth
- 4) None of these

1.	. The reciprocal of time period of the wave is called of the wave				
	1) wave velocity	2) frequency	3) wave length	4) amplitude	
2.	A tuning fork pro	duces 256 waves in	2 seconds. Calculate	e the frequency	
	of the turning for	k			
	1) 1.120 Hz	2) 125 Hz	3) 128 Hz	4) 130 Hz	
3.	The mass of a bo	dy at the centre the	earth is		
	1) Infinite		2) Zero		
	3) Same as at oth	er places	4) Grater or poles		
4.	If the gravitationa	al force of earth sud	ldenly disappears, t	hen	
	1) Weight of the b	oody is zero			
	2) Mass of the bo	dy is zero			
	3) Both mass and	l weight become zer	ю		
	4) Neither the we	ight nor the mass is	s zero		
5.	The radius and acceleration due to gravity of moon are $\frac{1}{4}$ and $\frac{1}{5}$ that				
	of earth. The ratio	o of the mass of ear	th to mass of moon	is	
	1) 1:80	2) 80:1	3) 1:20	4) 20:1	

1. The object distance u, image distance v and focal length f for a spherical mirror are related as

2.

3.

4.

5.

$1) \ \frac{1}{f} = \frac{1}{v} - \frac{1}{u}$	$2)\frac{1}{f} = \frac{1}{v} + \frac{1}{u}$	3) <i>v</i> − <i>u</i> = <i>f</i>	4) $v + u = f$	
Which of the follo	wing mirror has m	agnification +1		
1) Concave Mirro	r	2) Convex Mirror		
3) Plain Mirror		4) Both 1 and 2		
An object is placed 10cm infront of a concave mirror of radius				
curvature 15cm,	then find its position	on of image		
1) -30cm	2) -20cm	3) -40cm	4) -10cm	
An object is place	ed 5cm infront of a c	concave mirror and	image is formed	
1.5cm behind the	e mirror. Find magr	nification		
1) 2	2) -3	3) 2	4)-2	
The focal length	of a concave mirro	r is 30cm. Find the	position of the	
object in front of	the mirror. So that	the image is three t	times the size of	
the object				

1) 20 cm (only) 2) 40 cm (only) 3) 30 cm (only) 4) 20 cm or 40 cm

- The process of settling down of solid particles in a liquid is called
   a) decantation
   b) sublimation
   c) sedimentation
   d) filtration
- 2. The process of transferring a clear liquid after sedimentation without disturbing the sediment is known as
  a) decantation b) filtration c) condensation d)
  centrifugation
- 3. A mixture of rice and salt can be best separated by
  - a) sieving b) crystallization c) hand picking d) threshing
- 4. Mark the incorrect statement?
  - a) Two immiscible liquids can be separated by separating funnel
  - b) Stone pieces from rice can be hand picked
  - c) Naphthalene can be separated from a mixture by dissolving it in water
  - d) Iron filing can be separated from sand with the help of a magnet
- 5. Stretching of a rubber band is a/an

a) permanent change

- b) chemical change
- c) reversible change d) irreversible change

1.	Pure salt from th	e sea water can be	obtained by			
	a) neutralization		b) boiling			
	c) sublimation		d) evaporation an	d crystallization		
2.	Balancing of equa	ation is required to	obey which of the	following laws?		
	a) Law of definite	proportions	b) Law of conserv	b) Law of conservation of mass		
	c) Law of multiple	e proportions	d) Avogadro's law			
3.	The colour of Cu	O is				
	a) green	b) blue	c) black	d) white		
4.	The main source	of oxalic acid is				
	a) curd	b) spinach	c) lemon	d) orange		
5.	Molecular formulae of baking soda and washing soda are respectively					
	a) Na <sub>2</sub> CO <sub>3</sub> , NaHCO <sub>3</sub>		b) NaCl, Na <sub>2</sub> CO <sub>3</sub>			
	c) NaHCO3, Na2C	O <sub>3</sub>	d) NaOH, NaHCO3			
		CCO :: Cl	ass-8			
1.	Which element sl	nows spontaneous	combustion?			
	a) Calcium	b) Phosphorus	c) Copper	d) Iron		
2.	Which of the follo	wing phenomenon	is responsible for global warming?			
	a) Acid rain		b) Greenhouse effect			
	c) Ozone formatio	n	d) None of these			

# 3. Which of the following has lower ignition temperature? a) Wood b) Paper c) Vegetable oil d) Kerosene oil 4. Flames of the mixture ..... are used for welding a) Oxyhydrogen b) Oxynitrogen c) Oxycarbon d) Oxymethane 5. The necessary conditions for combustion process to occur are

availability of air / oxygen only
 availability of air / oxygen and fuel
 temperature of fuel below ignition temperature
 temperature of fuel above ignition temperature
 Select the correct alternative

a) 1 and 2	b) 2 and 4	c) 3 and 1	d) 4 and 1
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## CBIO :: Class-7

11.	Which of the following organs are protected by rib cage			e [	]
	a) Brain	b) Sense organs	c) Lungs	d) Intestine	•
12.	Which of the follo	owing are producer	S	[	]
	a) Herbivores	b) Carnivores	c) Green plants	d) Bacteria	
13.	How much of the	e earth surface is co	overed with water	[	]
	a) About two-thirds		b) About three-forth		
	c) About one-fort	h	d) About one half		
14.	In how many sta	tes of matter do wa	ter exist	[	]
	a) One	b) Two	c) Three	d) Four	
15.	Percentage of oxy	gen and carbon di	ioxide in the air is respectively [		]
	a) 21% and 0.039	%	b) 78% and 21%		
	c) 78% and 0.03%	%	d) 21% and 1%		

# CBIO :: Class-8

Some cells our bo	e [ ]					
a) Nerve cells	b) Muscle cells	c) Bone cells	d) Gland cells			
Energy currency	of the cell is		[ ]			
a) ADP	b) FTP	c) ATP	d) All of these			
The kitchen of the	e cell is called		[ ]			
a) Cell wall	b) Nucleus	c) Vacuoles	d) Plastids			
Which cell organelle is known as the control centre of the cell [ ]						
a) Nucleus b) Chloroplast						
c) Mitochondria d) Endoplasmic reticulum						
Which cell organe	elle is known as the	e "power house" of	the cell [ ]			
a) Lysosomes	b) Chloroplast	c) Nucleus	d) Mitochondria			
	Some cells our bo a) Nerve cells Energy currency of a) ADP The kitchen of the a) Cell wall Which cell organe a) Nucleus c) Mitochondria Which cell organe a) Lysosomes	Some cells our body can be about aa) Nerve cellsb) Muscle cellsEnergy currency of the cell isa) ADPb) FTPThe kitchen of the cell is calleda) Cell wallb) NucleusWhich cell organette is known as thea) Nucleusb) Chc) Mitochondriad) EnWhich cell organette is known as thea) Lysosomesb) Chloroplast	Some cells our body can be about a foot long these area) Nerve cellsb) Muscle cellsc) Bone cellsEnergy currency of the cell isc) ATPa) ADPb) FTPc) ATPThe kitchen of the cell is calledc) Vacuolesa) Cell wallb) Nucleusc) VacuolesWhich cell organelle is known as the control centre ofa) Nucleusb) Chloroplastc) Mitochondriad) Endoplasmic reticuluWhich cell organelle is known as the "power house" ofa) Lysosomesb) Chloroplastc) Nucleus			

# CBIO :: Class-9

11.	Growing two or more crops definite pattern is referred as	simultaneously on the	same	field [	in ]	a
	a) Crop rotation	b) Intercropping				
	c) Mixed cropping	d) Crop alteration				
12.	Crops grown in rainy season are called			[	]	
	a) Kharif crops	b) Rabi crops				
	c) Rain crop	d) All of the above				
13.	In India agriculture irrigation	done by		[	]	
	a) Dug or tube wells	b) Canals				
	c) Rivers	d) All of the above				
14.	Echidna and platypus which lay eggs belongs to			[	]	
	a) Mammalia b) Reptilia	c) Amphibia	d) Ave	es		
15.	Tendons connect			[	]	
	a) Bone to bone	b) Muscle to bone				
	c) Muscle to muscle	d) None of the above				

# CBIO :: Class-10

11.	Deficiency of vasopressin causes				[	]
	a) Diabetes mellit	us	b) Go	itre		
	c) Diabetes insipi	dus	d) My	vxoedema		
12.	Medulla oblongat	ntrols	[	]		
	a) Rate of heart beat		b) Equilibrium			
	c) Thanking		d) Vision			
13.	Which of the following does not secrete any hor			ete any hormone	[	]
	a) Thyroid	b) Ovary		c) Testes	d) Spleen	
14.	Asexual reproduction takes place through budding in			[	]	
	a) Amoeba	b) Yeast		c) Plasmodium	d) Leishm	ania
15.	The number of chromosomes in human ovum is			[	]	
	a) 21	b) 22		c) 23	d) 24	