Submitted by: Sobia Batch: 47	
Submitted to: Six Majid Raza Assignment: Gneneral Science and Ability Assignment No: 1 Topic: Short Sightedness, Long Sightedness, Night Blindness and Colour Blind	
Avina ment General Science and Ability	
Automorat No: 1	
Topic: Short Sightedness, Long Sightedness,	
Night Blindness and Colour Blind	ne
Short Sightedness:	
Short sightedness or near	
sightedness, is an eye disorder in	
which a person can see closer objects	
clearly, but the distant objects are	
not clearly visible. Technically this	
disorder is known as myopia. Myopia	
occurs when light coming from distant	
objects is "overfocused" so that the point	
of focus is in front of the retina. It	
occurs because either the eyeball is too	
long or, less commonly, because the cornea is too curved. Despite maximum	
flattening of the long, the eye is	
not able to focus the light ray	
further back and on to the retina.	
Light coming from near objects	
requires a stronger focusing activity	
amuluau Co in muchin light man	
anyway, so in myopia light from	
near objects is more likely to be	
focused in the right place.	

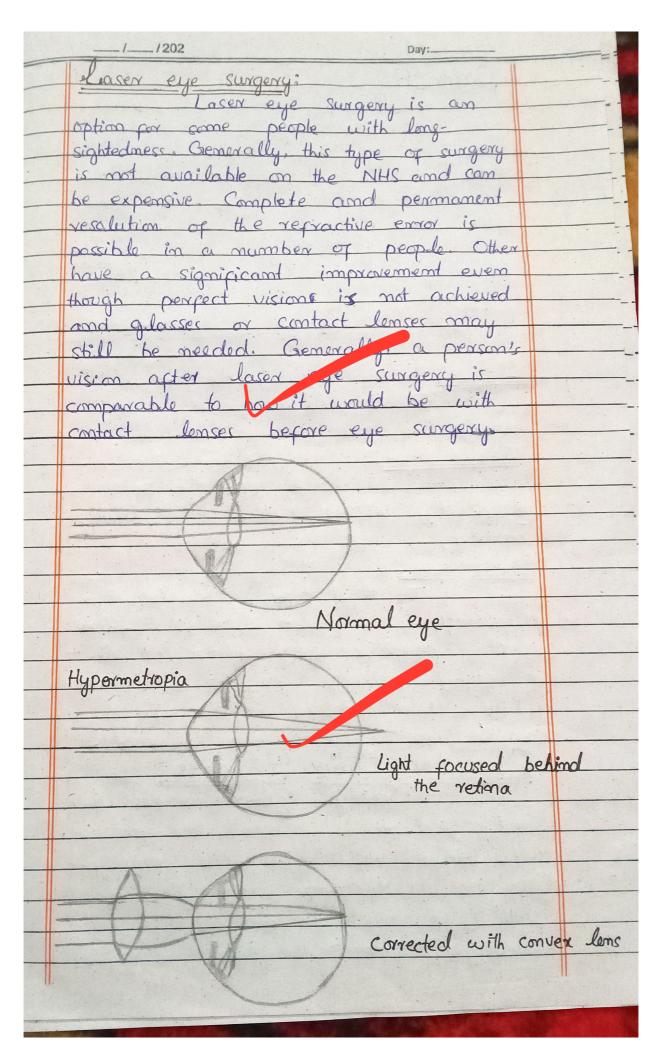
	2	8.11.1	000
Sympton	ns of Short	Dignedme	22 0
			Short
The	main sym	primo	secina
sightedness	is a difficu	The	earlier
the all	MNP +U		Severe
de - t- sightes	mess siarry		time
it is likely	to become	ched the	lovel
1 21011	14 horas	ICHELA!	reached
of short-s	ightedness ho	is osamy	
its peak.			
	el - d	Sightedne	220
Causes	of Shart	Digniedine	
01	1	tomials to	start
Show	t - sightedness	10103 +01	ama ae
in childhor	and the	garage to	inte
There	in manno	YESEGIACI	9.1.10
1. 1 0100	Causes	211011	
	VERDIII		
~ DOMPS	and lifes	Tys - ac	0.0
amodi	no long	WIOCK OF	
dorino C	lose -un u	ouk a in	0(00/2). T.
actem riv	ns in sami	lies. Temp	SOYOUYG
chryt - sight	edness cam	also occi	CON COLIN
certain	ilmess - for	example, in	n diabe
Treatm	ent cor	Short Die	attechness
- Comment			0
P 1			
Classes	1 - 1/1 000	a. ha	en unded
Sho	vt-sightedness	cam be	Consected
with glass	es, which is	the simp	lest, chea
and safes	1 way. Concai	le pregription	in longe
(alled min	ous lemses) ou	re used to	bend
	slightly ou	1 1. 1	· la-mi

over-focusing temdency. As a result Lenses: Lenses do the same the eye. Many different be soft or rigid gla be more expensive than provide good all-round do not mist over (for example, u doings sports or in hot emvironments). However, they require more core meticulous hygiene, and should not be worn doing during or mming. Showering or sleeping they are more suitable for alder teenagers and adults rather than very young children. aser eye surgerly: Losen eye surgery option for some people with short sightedness. Complete and on of the regractive in a number of have a significant

	//202 Day:	
	even though perfect vision is not	
	achieved and excesses contact	
	longes may still media.	
	Generally, a persons vision after losen eye surgery is comparable to how it	
	eye surgery is comparable to how it would be with contact lenses before	
	Munnia	
	Goo Goo	d!
	A A A A	
		-
- 1	Normal eye Light focused in from	tof
	TOKING	
		1000
•		
	Corrected with concave lens	
	Long - sightedness:	
	The medical name for long-	
	sightedness is hypermetropia, sometimes	
	called hyperopia. Eyesight problems, suc	h
	as hypermetropia, are also known as	
	refractive errors. Hypermetropics is the	
	condition of the eye where the	
	image of a nearby object is forme	d.
	behind the retina. Here, the light	
	is pocused behind the retina instea	nd
	of focusing on the retima. The person	
S. 1276 (24C)		A /1 ~
	suffering from hypermetropia wil	
	have difficulty focusing on mean	you
	objects but can clearly see dist	ant
	objects.	

Symptoms of Long-sightedness:	
The state of the s	
The main symptom of long-	
sightedness is a difficulity with near vision. Tiring of the eyes (asthemapia) is	
vision. Tiring of the eyes (asthemapial is	
common and long-sighted people may	
have headaches and uncomfortable vision.	
They may have difficulties seeing with	
both eyes (binocular vision), the brain	
will tend to ignore signals coming from the most long-sighted eye lazy	
from the most long-sighted eye lazy	
eye (amblyopia) or severnt (strabismus) can	9
therefore also occur in long sight.	
Causes of Long-sightedness:	
The causes of long sight are	
usually hereditary (genetic). Long-sightedmo	255
can occur at any age but it tends	
to become more noticeable above the	,
and of UD years. In some case lone	
age of 40 years. In rare case, long	-b
sight is caused by other conditions suc	
as diabetes, small ge syndrome	
(micropthalmial cancers around the ey	e
and problems with the blood vessel	C
ttemet incommend of the cre	EWIN
using children tend to be slightly	
young childern tend to be slightly long-sighted but usually grow out of	
The state of the s	
this by about 3 years of age.	

Long - Sightedness: Glasses: Contact lonses: Lenses do the same job as e soft or rigid gas-posable monthly disposable, or are more suitable Its, rather than very young



//202 Day:	
Color Blindness:	
Colour blindness; also called	
colour vision deficiency, is a condition	
where the eyes have trouble distinguishing	
Certain colorers Most affected people have	
either red or green colour blindner.	
Blue colour blindness and monthro-	
matison, a condition in win a person	
sees only black, whit and grey evre	
very rare.	
Types of Colour Blindness:	
ast 1	
1st type: In the 1st type, the person has trauble telling the disperence	
trachle telling the dipperence	
between red and green.	
Second Type:	
In second type the person has	
In second type the person has difficulty telling yellow and blue	
apart.	
Third type:	
The third type is ealled	
achromatopsia. A person with this form	
can't perceive any colours at allo-	
everything appears gray or black and	
every my appears gray to the least	
white. Achromatopsia is the least	
common form of colour blindness.	
Causes of Colin Blindness:	
Seeing colours across the	
light spectrum is a complex process	
that begins with your eges' ability	
to respond to different savelengths of	
light Light, which contains all calous	
wavelengths enters the eye through the	

//202 Day;	
comea and passes through the long	
rams pavent, gelly like tissue in	
he eye (Vit reall humor) to wavelement -	
semsative cells (comes) at the back of	
your eye in the macular corea of the retina. The coner are sensitive to short	
(bluet medium (green) or long(red)	
wavelengths of light. Chemicals in the	
comes trigger a reaction and send the	
wavelength information through your	
optic nerve to your the brain. If the	
eyes are normal so it ain perceive	2
color. But if comes lack one or more	
person will be unable to distinguish the	
colors red, green or blue. Colorer	
blindness has several causes:	
Imperited disorder:	
Inherited colorer desciencies a	N.
much more common in males than	
females. The most common color	
dereciency is red-green, with blue-	
yellow deficiency being much less	
common. It is vare to have no	
colorer vision at all. Any one can	
inherid a milde moderate or sever	9
degree of the disorder. Inherited col	RIV
deciciencies usually affect both	
and the souprity placemit	
eyes, and the severity doesn't	
change over your lifetime.	

//202 Day:	
dim lighting.	
Near-sightedness:	
People with near-sightedness, which	
doctors call myopice, over unable to see	
Objects in the distance accurately. This	
and no longer pocuses light correctly.	
and no longer focuses light correctly	
Vitamin A desicience Vitamin A or retinal, is em	
essential nut mt par vision. For example,	
it makes up a protiem that absorbs	
light in the retina and supports eye	
functioning. Vitamin A deficiencies com	
have a serious impact on vision.	
Retinitis pigmentosa:	
This is a group of voice eye	
diseases that damage the retina. It is a	
genetic disorder that results in	
difficulty seeing in low light.	
Symptoms of Night Blindness:	
The sole symptom of night	
blindness is difficulty seeing in the	
dark. A person more likely to experient	oce
night blindness when his eyes transit	ion
might partitions and to an area	
from a bright environment to an area	n
of low light, such as whem a person	
leave a sunny side alk to enter a	at
dimile lit vector int. H person with migh	4
blindness is also likely to experience po	OY
vision when driving due to the	
intermittent brightness of headlights ar	d
street lights on the road.	
street lights on the road.	

I Transment or Night Blindness:	
reatment of right	
will evanu departing on the area	
Treatment may include areas ?	
specific type of glasses of	
longer, which can help to support	
correct vision. Wearing sungfasses can	
also protect the eye curther elle	
light, which can cause further eye	
demage. When the cause is a lack	
of vitamin As treatment involved	
Kleep the paragraphs short	
surgery may be necessary DCTV	
severe rases. For example, LASIK	
is a type of surgery that changes	
the shape of the cornea to improve	
vision. Other types of surgery may	
aim to remove a catavact gram to	
Good structure and presentat	ιψι.
eye por treatment de glaucoma. In	
some cases, night blindness may not	
be treatable. Retinitis pigmentosa	
currently has no effective treatments	
although certain eye devices and	
therapy services may improve	
mercipy services rolly in de l'es	
symptoms and quality of life.	