केन्द्रीय माध्यमिक शिक्षा बोर्ड, दिल्ली माध्यमिक स्कूल परीक्षा (कक्षा दसवीं) परीक्षार्थी प्रवेश-पत्र के अनुसार भरें

विषय कोड Subject Code: परीक्षा का दिन एवं तिथि Day & Date of the Examina उत्तर देने का माध्यम Medium of answering the p	tion: Wednesda	0
प्रश्न पत्र के ऊपर लिखे कोड को दर्शाए : Write code No. as written on the top of the question paper :	Code Number	Set Number ② ③ ④
अतिरिक्त उत्तर-पुस्तिका (ओं) No. of supplementary answ		
विकलांग व्यक्ति : Person with Disabilitie	हाँ / नहीं es: Yes / No	No
किसी शारीरिक अक्षमता से प्रभा If physically challenged, tick B		✔ का निशान लगाएँ। A
B = दृष्टिहीन, D = मूक व बधिर, H C = डिस्लेक्सिक, A = ऑटिस्टिक B = Visually Impaired, D = Hea	ring Impaired. H = Physica	
S = Spastic, C = Dyslexic, A = A	करवाया गया : हाँ / नहीं ि	

Each letter be written in one box and one box be left blank between each part of the name. In oase Candidate's Name exceeds 24 letters, write first 24 letters.

कार्यालय उपयोग के लिए Space for office use 9654169

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^{*}एक खाने में एक अक्षर लिखें। नाम के प्रत्येक भाग के बीच एक खाना रिक्त छोड़ दें। यदि परीक्षार्थी का नाम 24 अक्षरों से अधिक है, तो केवल नाम के प्रथम 24 अक्षर ही लिखें।

Section-A Alkane series Ethane 3rd Member - Propane when a cell reproduces, its DNA makes two copies, each divided cell getting one. 2016 Energy available to producer > 10,000] Concave Lens

	Management
	3
Since object is placed at a limite with	
Since object is placed at a finite distance from concave lens	Y
Therefore	
J) Amage is wintered and	
I) Image is virtual anderect.	
2) Image is diminished.	
3) 94 :	
3) It is formed on same side of the lens.	
9) It is formed so com in front of tens. 5) It can't be captured on a screen.	
State of the state	4=-30
s can't be captured on a screen	
	1-1-1
	T-Du
ems 5: Advantages of conserving forests:	10
Anss: Advantages of conserving forests: 7	
	ĪS 35° Ū
1) More princes in the	1.5 35
aggin in the atmosphere.	-2+1
2) Reduction in alphat was romined	<u>-2+1</u>
1) More oxygen in the atmosphere. 2) Reduction in global warming:	
	-30
solvantages of conserving wildlife : 7	
1 Descrip whalife : 7	
1) Promotes ecological stability 2) Maintains balance in food chain.	
2) Cological Stability	
2) Maintains balance in land above	
The good chain.	
	1

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Ans 9: Modern Periodic Table has 7 periods and 18 groups.

(i) Metallic character decreases on moving from left to right in a period.

Reason: Along the period, from left to right, the effective nuclear charge increases are to increase in no. of protons due to which forces of attraction between nucleus & valence electrons increases, and asility to lose electrons (i.e metallic character) decreases.

(ii) Metallic character increases down a group

Reason: Because atomic size increases down a group, the force of attraction between nucleus & valence electron decrease & electrons losing tendency increases. Therefore metallic character increases.

ansto 1) (a) Highest valency Clearly, highest valency is 3 i.e of Aluminium as it can lose its 3 valence elections to become "Al"; (b) largest atomic radius -> Soctum (Na) Reason, -> Because atomic sixe decreases along a period from left to right. Since No is present at most left side, it has more atomic radius (C) Maximum chemical reactivity > Na (Sodium) Reason - Since all three are metals : chemical reactivity. means ability to lose elections. Since ability to lose ejections decreases along a period, Na would be most metallic and rence chemically most reactive.

			9
Advantages:			
1) Plants produced fruits much ea	l by regelative propagation	r flowers & have ced by seeds.	
2) It is easy, fast of plants which	method and can be tised.	for propagation	
Disadvantages :	I		
2) Since plants are	genetically very similar,	8 almost identical,	
	suffer from various ple		
-		3	

Ansiy Mendel explained this through his monohybrid cross.

He produced progeny from purely away & purely tall plants tand he found that all Fr progeny were tall.

But when he used Et progeny to produce P2 progeny; then 25 f of plants (pea plant) were short and 374 were tall. From this he concluded that both taleness & dwarfness were inherited in Fr progeny but dwarfness was suppressed under the dominance of other.

Thus he concluded that it is possible that a trait is inherited but not expressed in an organism.

Ansist) 1) classification is the reflection of evolutionary relationships between organisms.

2) More the two organisms are related to each other, more characteristics they have in common.

3) More characteristics they have in common, more secently they have common ancestor like a girl 8 her real brother.

		MAY AND THE RESERVE OF THE PARTY OF THE PART	
	F		15
	1	1) Increasing regelation + Increased regetation	
		allows percolation of water from the rain into	
		the ground to increase water table level we should	
11 7		use handpumps & wells judiciously.	U U
	Ans	19 -> compounds containing carbon & rydiogen are	
76		Called hydrocarbons. Oxides, carbonates hydrogenestic-	
		are inorganic compounds.	A
		general Formula First Member's Structure	
	2	Alkanes . Cn H2n+2 H-C-H Methane	
_		where $m = 1, 2, 3$	
_		H. H.	
_		Alkenes Contan Ce Ethene where n=2,3	
\dashv			-
\dashv		Alkynes en H2n-2 H-e=c-4 Ethyne	
		Alkynes $en H_{2n-2}$ $H - e \equiv C - H$ Ethyne where $n = 2,3$	
		* • • •	
-			
-			

A CALL TO THE PARTY OF THE PART	
	17:
(11) Fallopian Tube	
(i) It carries & take female overm from ovary to womb.	
the site of fortilisation.	
(4) structure of Placenta:	
1) It is a disk like structure embedded in the uterine wall	
filled spaces on mother side and blood	
stal surrounded by villi.	
Functions of Placenta:	
Det marides a	
glucose & oxygen suma most	
1) It provides a large surface area for absorption of glucose & oxygen from mother blood to embryo.	
2) It also takes away wastes generated by embryo into	
Tradition blood.	

		18	E.	
	3	- 	ACQUIRED TRAITS	INHERITED TRAITS
			These traits are acquired by a person during his lifetime.	1) These traits are inherited by the individual from his/her parents.
		3)	They donot pass to next, generations. They donot direct evolution.	3) They airect evolution.
2016		- 4)	eg >> Body weight, Knowledge.	4) eg -> eyo colour, skin colour, height etc.
		-	lifetime con't be passed:	to future generations as
			cells. Any change in no	on-reproductive tissue cannot of germ cells for eg -> There in green bushes and the
			were rea seelles living	in green bushes and the

bushes were hit by plant disease. This caused reduction in the available food to red bettles and made, them poorly nourished. But if the bushes will become free from any plant disease, the new generation will be healthy & of normal weight as low weight donot caused any change in the DNA of germ cells of red beetles.

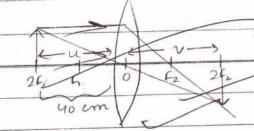
Ans 22 1

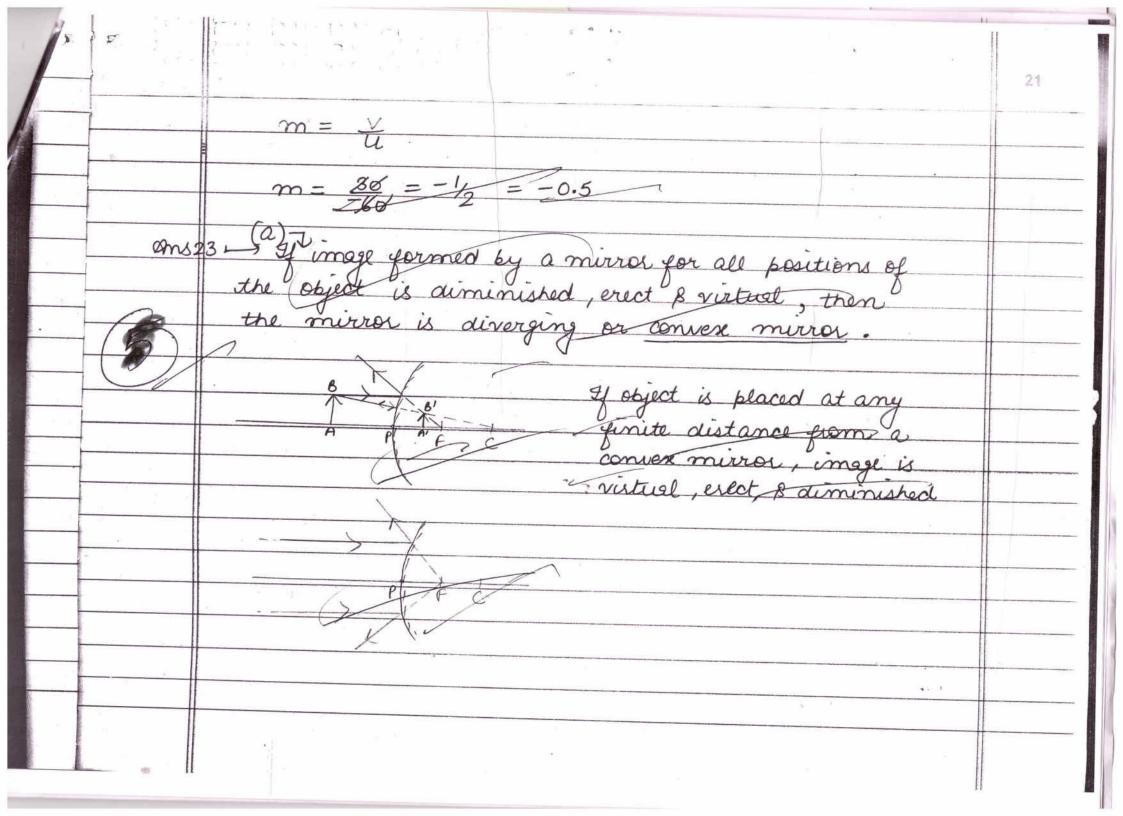
(a) Focal length of convex lens will be 20 cm.

By [8.No. 3] in the table, we get u=v and this is possible when object is placed at 2F, and

Therefore R = 40 cm

J = R/2 = 40/2 20 cm





9

Convex mirrors are used in rear view mirrors as
they are bulged out & thus have wider field of
view due to which much cars can be seen.
Also it forms an erect image.

It is also used as shop safety mirrors so because of
same reason to detect thieves.

(b) Radius of curvature is the radius of sphere (imaginary) of which spherical mirror is a part. It is represented by "R".

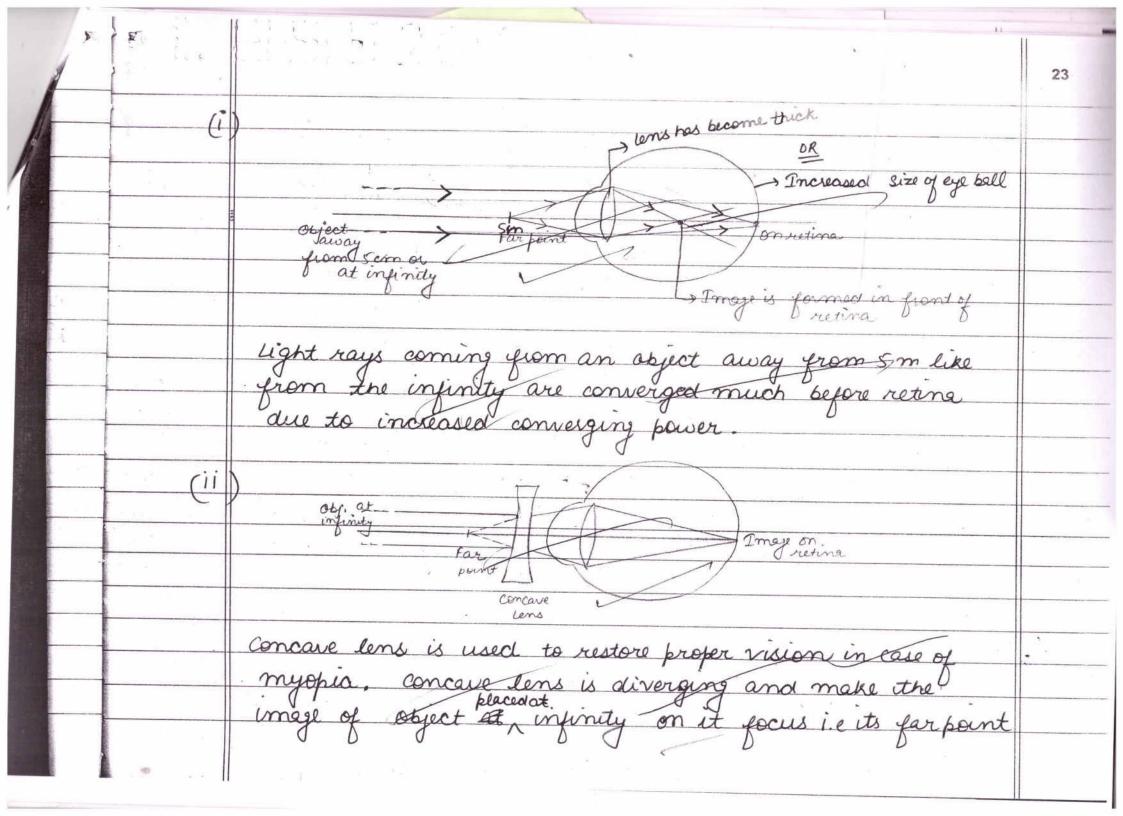
R = +24cm

. It is a conveximinar

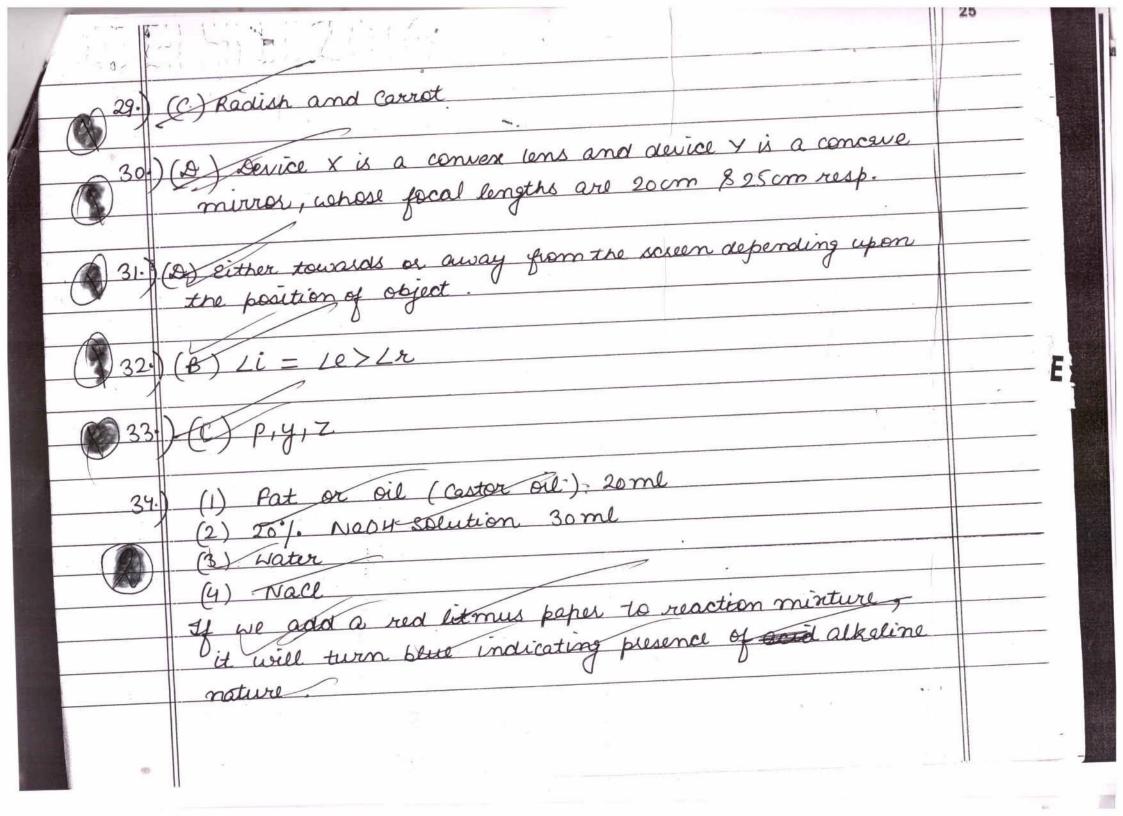
f = R/2 = 29/2 + 12 cm

Ans24 -> (a) couses of rijopia ->

2) Elongation of eye ball.



24		
	and help us to see objects up to infinity.	
	Focal length of conceve lens is negative	
	$P = \frac{\Delta}{b} = \frac{-1}{5} = \boxed{0.2b}$	
	Section-b	1×16
26.)	(D) Formation of bubbles of a colourless and odourless gas.	-0.2
-	(c) The outer surface of beaker has become hot.	
28.)		
10		



Daughter actorinesis Mature Jamoetae nucleus ampeloa lengthens (A) He should move lens away from screen because as object distance decreases, image Size of image will increase as the object is moved towards long. No image will be formed on sorien as it will form virtual image in that case.