


##  epidemi, theabe enisteasers scicince for a law on frontit. (CSE) hack has acaled  anhealthy packazed junk food, en- abling them to make infored de  Countries are workingt tinid ways to nudge the consumers into  <br> The analysis underined how even a fite seven years. Tour committes and two dratit commitees and two dratt requutionoss Indid still does rot have the much-neeted the growing crisis of obesity and dietrelated NCCDs such a s diaberes warn the consumers sabout the harantull levels of of fats salt and sugar hiding in intra   <br> -The anlysisis clearly enumeates how the darat thesestolds- -inits above   of 2018 and 201919 ss wel as $\mathbf{s}$ those adopted $b y$ y contries with best practices.  <br> UThis working group was tormed to look into the issue of thesesholds follow inga CSE5 study in December 2019 , wich said that most toppular pacaraeded   Share your views at toinie175@gmail.com

## SRK makes it to Indian Sign Language dictionary

 ctor Shah Rukh Khan's name has been included among the 10,000 words in the Indian Sign Language(ISL) dictionary, which was launched by rime Minister Narendra Modi recently. Deaflympics online banking and carpooling are some of the words that have been newly-drafted into the digital dictionary of India's non-voiced lexicon.One needs to hold the fingers of their right hand like a gun and tap on their heart twice to signify Shah Rukh Khan

## TWITTER WILL ALLOW HOSTS

 TO ADD TOPICS TO SPACESMicro-bloging site
Twiter is se to add Twitter is set to add
topics to spaces for hosts to ta their Spaces with up to three relevant topics. "New in Spaces: Topics, wl
creating or scheduling a Space, Currently, there are only 10 Topics to choose from limited to English. The initial 10 Topics are business, finance, music, sports, technology, gaming, world news, entertainment, artsculture, home-family and careers
$\qquad$
Twitter also started rolling
out a new update to Spaces out a new update to Spaces
to allow hosts to designate up to two co-hosts for its social audio rooms
The update will make it eas $r$ for hosts of the audio

some of you on Android can choose up to 3 Topics to tag it with from a list of our top 10 Topics. But it's only 10 Topics for now and we'll expand as we build togeth er," the company said in a tweet.

## moderate conversations <br> 2 Once invited, the co-hosts have almost all the same mod- eration and managing privieges as the main host, they can speak, invite other members of the room to speak, pin tweets, boot peo le from the room, and more



You don't
first step.

# Ravise make Aquatiun IHP IU PiINGOS EXM 

 EDMS

CLASS: XII-2020-21 SUBJECT: PHYSICS (CBSE) Time Allowed: 3 Hours Maximum Marks: 70

| SECTION-A |  |  |  |  |
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| Ppaseenilie toother |  |  |  | Q value of the process. Given (m) 56Fe26$=55.93494 \mathrm{u}$ and $(\mathrm{m}) 28 \mathrm{Al} 13=27.98191$ |
|  |  |  |  |  |
|  |  |  |  | SECTION-E (5 MARK) |
|  |  |  | $\begin{aligned} & \text { All questions are compulsory. In case } \\ & \text { of internal choices, attempt any one. } \\ & \text { Q31. Draw a labelled ray diagram of a } \\ & \text { compound microscope and write an ex- } \end{aligned}$ |  |
|  |  |  |  |  |
|  |  |  |  | tween the interference pattern obtained in Young's double slit experiment and the diffraction pattern due to a single slit. | pression for its magnifying power. The focal length of the objective and eye-lens of a compound microscope are $2 \mathrm{~cm}, 6.25$ |
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| coid |  |  |  | (ii) Also calculate its magnifying power. OR |
| amene is meve axay fir |  |  |  | Stas |
|  |  |  | Q23. A ray of light, incident on an equi- |  |
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| coil |  |  |  |  |
|  |  |  | Q25. (i) Name the three elements of theEarth's magnetic field.(ii) Where on the surface of the Earth is | $\begin{aligned} & \text { If this telescope is used to view moon, } \\ & \text { what is the diameter of the image of } \\ & \text { moon formed by the objective lens? (Di- } \\ & \text { ameter of moon }=3.5 \times 10^{6} \mathrm{~m} \text { and radius } \end{aligned}$ |
|  | SECTION-B 4 |  |  |  |
|  |  |  | (ii) Where on the surface of the Earth is the vertical component of the Earth's magnetic field zero? |  |
| dind | question carries 1 |  | SECTION-D (3 MAR |  |
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|  |  |  |  | ue of the emf induced in the rotating loop. OR A series LCR circuit is connected to an |
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| the change in the diode What is the dynamic res |  |  |  |  |
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|  |  |  | rent is 1 A and when R is increase ohm, the current reduces to 0.5 A . |  |
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| , meand |  |  |  |  |

## PLASMOLYSIS AND DEPLASMOLYSIS <br> TMY: SGHOOL PROJECT <br> ur school gave us the opportunity to showcase our sci- entific interests through experiments at the Science Fair. As Biology is a subject that interests me, I decided to perform an experiment on plasmolysis which refers to the shrinkage of the protoplasm of a plant cell from its cell wall due to exosmosis under the influence of hypertonic solution. Plasmolysis can either be concave or convex. It is divided into three stages - incipient (initial stage), evident and final <br> ABSTRACT <br> 0 salt polution, and if the processs is is reversed, it will under- <br> go deplasmolysis and get back its original structure. Therefore, the question is, how does onion behave <br> solution? <br> Whe variables are salt solution and water. mum 11 M concentration), the cell content should shrink 4, 4 , to the bottom of the cell and revert if diliuted. <br> | THE EXPERIMENT |
| :--- |
| 1. Prepare a slide with an onion peel. | 2. Place it under the microscope and note your observations (The higher the magnification, the better for you to observe the effect The images in this report are at 2000 The images in this magnification). <br> 3. Drop two to three drops of 11 g of NaCI mixed in 100 ml of water, on the slide. Use a filter paper to help the water seep into the onion peel by capillary movement. Now place this slide under the microscope. <br>  <br> OBSERVATION Normal cells of an oni peel before adding peel before adding the salt solution. The structur the cells is the cells is defined and rectan gular in gular in shape. NOTE: No liquids or stains were used while preparing the onion after 10 minutes of placing the NaCl placing the NaCl solution on the solution on the onion peel. onion peel. The onion peel has undergone concave plasmol ysis. This is the process where the Plasma membrane separates from the cell wall due to eral concave pockets. structure can be reversed into its orioin its original shape and turgidity by placing it in a hypotonic solution (diliuted Nacl solution). Water enters the plasmolysed cell leading to the enlargement of the protoplasm into its original size. <br> CONCLUSIO <br> WHAT'S NEX <br> Given the opportunity, I'd like to take this one step further and try to understand the impact of plasmolysis/deplasmolysis on the strength or life of the cel walls and its impact on the life of the plant. <br> Vreethi K, Class XI. DPS WH: <br> 




# TIME RUNNING OUT FORSTRUCGLINGNI 

Inconsistent Punjab Kings back to winning ways, but cannot take it easy


MI form a worry Mrs batting has been a major wory for
the renanchise as their mainstays with the

 and 43 in the le last two games but couldnt
capitalise on the starts. After being left out of the first two games duu to to fitiess
 the playing XV
was short
and The formoof these players. who are
also part of the Indian coming T20 World Cup, is a worrying sism not only for the franchise but also for piece event, which will be held in the
per
 sistenty delivered, returning with 8
 slip-ups

## Puniab on the other hand, are placed

I think that hunger is going to be very important for us going forward and we got to believe it, this team has done it in the past, so there is no eason why we can't do it MI director of operation zaheer khan

 up for the teamist beow.ows. bathong idis
piay. With 8 point from 10 games jist






 conditions Puniab possess a formidable eating line.
up with skipper Kl up with sipper KL Rahul and Mayank
Agarwal scoring the bulk of the rums at

 jab do have the fireopower in batting to
blow wawy any attack. However, Puniabs's bateres couldnt tadiust tothes slow own
ditions at Sharjah in their last game. promptins stipiper Rahul to askt hem to
tearn to bat accorring to the surface learn to bata according to the surface
In the bowling department, Mo hammed Shami a ad d young Arsthdeep
Singh have shone the brightest while Singh have shone the erightest while
spinner Ravi Bishho igrabed the op.
portunity wibl
 turned with three wicke.
clusion in the ast tgame.


