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STUDENT EDITION



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WEB EDITION

JEE ADVANCED 2020:

Syllabus to remain the same this academic year



The Indian Institute of Technology, Delhi (IIT-D) has confirmed that the syllabus for JEE Advanced, 2020 would remain the same this year. In a press statement, the institute confirmed that the syllabus will not be changed, despite numerous requests made by the students, who would be appearing for the examination this year.

Recently, the IITs had decided to relax the admission criteria this year, in view of partial cancellation of the class XII exams by various Boards. Qualified candidates who have passed class XII exams will now be eligible for admissions, irrespective of the marks obtained, Union HRD minister had tweeted

Till now, for admissions to the IITs, apart from qualifying the JEE (Advanced), the eligibility was to secure either minimum score of 75 per cent marks in class XII Board exams, or rank among the top 20 percentile in their qualifying examinations

BOOK



Tisca Chopra to educate girls on menstrual health in new book

Author Tisca Chopra will educate young girls on the important topics of 'menstrual health' and 'growing up' through her new book, tentatively titled, 'Your Book of Period', announced publishing house, Westland. The book, to be out in December, is a conversation starter and comprise honest dialogues and advice for children, aged between 9 and 13. It will be published under Westland's children imprint, Red Panda.

The book, filled with suggestions from experts, claims to provide an in-depth understanding for girls on how to deal with "physical, emotional and social changes, and make the best of the growing up years"

Helicopter money

WHAT: With the economy falling deeper and deeper into a chasm with each passing day, Telangana chief minister KC Rao has said that helicopter money can help states come out of this morass. He has urged the Centre to release 5



X-PLAINED
per cent funds from the GDP of the country through quantitative easing (QE), a policy followed all over the world

WHY: Helicopter money is an unconventional monetary policy tool aimed at bringing a flagging economy back on track. It involves printing large sums of money and distributing it among the public. In other words, it means non-repayable money transfer from the central bank to the government.

HOW: It seeks to encourage people into spending more, thereby helping in boosting the sagging economy. Money is distributed among the citizens, private institutions, the State governments, and others.

DID YOU KNOW?

American economist Milton Friedman coined this term. It basically denotes a helicopter dropping money from the sky. Friedman used the term to signify "unexpectedly dumping of money into a struggling economy, with the intention to recover it from a deep slump"

WHAT IS QUANTITATIVE EASING? Quantitative Easing is a monetary policy in which the central bank buys government bonds or other financial assets to inject money into the sagging economy

IS HELICOPTER MONEY THE SAME AS QUANTITATIVE EASING? Quantitative easing involves the use of printed money by the central banks to buy government bonds. In QE, though it means printing money to monetise the government deficits, the govt has to pay back for the assets that the central bank buys

I RECOMMEND

FREE BLOGGING SITES TO BUILD (AND GROW) FOR FREE IN 2020

1 SELF-HOSTED WORDPRESS: WordPress currently powers 34% of websites on the internet. Self-Hosted WordPress, also known as WordPress.org, is an open-source platform to build a blog on. It's 100% free to use. Whether you're an absolute beginner, or running a six-figure website, WordPress gives you the best tools to make an incredible site, capable of structuring a profitable blog business plan around it



2 WIX: Wix first entered the scene as a free blogging platform in 2006. Since then, it has provided a website platform to a remarkable 150 million people. It is also used in 190 countries around the world. Wix is a website builder with a drag and drop interface. It has a (WYSIWYG) software, so you know exactly what your blog will look like, before you hit the "publish" button.

3 WORDPRESS.COM: Even if you're new to blogging, you must have heard about WordPress. What you may not know is that there are two different types of WordPress. There's WordPress.org (Self-Hosted) and WordPress.com. WordPress.com has paid plans, but they also offer a limited free version as well

4 WEEBLY: Weebly is another popular option among the best free blogging sites today, largely because it's easy to use and has been built, especially with eCommerce in mind.

5 MEDIUM is a free blogging site. It functions slightly more like a community of writers meet social media platform. You can share your blog content free on Medium, and can get started right away

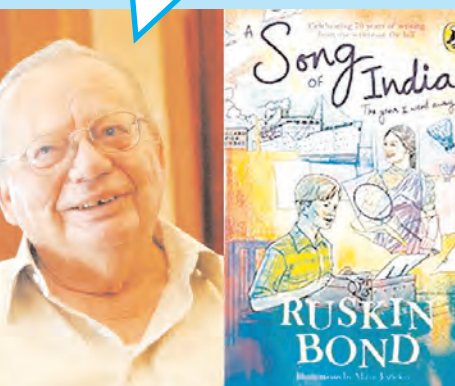
6 BLOGGER is another solid option for free blogging sites designed for those who want a free blog to start experimenting with their writings

SALAD DAYS

Mom laughed when I said I wanted to be a writer: Ruskin Bond

When Ruskin Bond told his mother that he wanted to be a writer, she laughed, saying with his good handwriting, he could only be a clerk in a lawyer's office. This was early in 1951, when Bond was waiting for his school board results. Bond's aim was to write stories and become an author, but no one else seemed to think it was a good idea. His stepfather wanted him to attend college, his mother

In these seven decades, I have written hundreds of stories for children and just as many for adults too; I am still continuing to do so. I am very fortunate to have lived in a beautiful part of the country, in the mountains. I am blessed to have received inspiration from the natural world around me—from children and animals, and all of this is reflected in my works
—RUSKIN BOND



advised him to join the Army, while his school headmaster wished he became a teacher. These very thoughts would terrify Bond. "A teacher! That was the last thing, I wanted to be; I'd had enough of school rules, homework and early morning PT. I had no wish to inflict it on others. The Army? More rules, more PT, heavy boots, routine marching..." he would think. These are the thoughts shared by the author in his latest book, 'A Song of India: The Year I Went Away'.

- 'A Song of India' is the fourth book in the memoir series by Bond, and is published by Puffin. Set in 1951, it is the story of the beginning of Bond's writing journey
- In this book, Bond takes the readers back to his last days in Dehradun, before he set sail for England, the year that later became the basis for his first novel, 'The Room on the Roof'
- The illustrated book also marks the 70th year of Bond's writings

CHRISTOPHER REEVE'S 'SUPERMAN' CAPE, 'SPACE ODYSSEY' SPACE SUIT GO UNDER THE HAMMER

A cape worn by American actor Christopher Reeve, while playing the Man of Steel in the 'Superman' franchise films, and a spacesuit from Stanley Kubrick's 2001: A Space Odyssey were highlights of Julien's Auctions recent 'Hollywood: Legends & Explorers' memorabilia event. The event held online in Beverly Hills, showcased 900 items from the iconic Hollywood films and television series, as well as significant and historical space artefacts.

ON SALE

The 'Space Odyssey' suit, accompanied by a helmet, which was worn by Keir Dullea, who played mission pilot and scientist, Dr David Bowman, sold for \$370,000. A wire and Zoptic flying, and the mechanical cape worn by Christopher Reeve in the first two 'Superman' films, sold for \$110,000. The auction also featured historic pieces used on the Apollo 11 and 17 missions, such as two pilot control sticks from the Apollo 11 flight to the Moon, one used by Neil Armstrong, sold for \$370,000, and the other used by Buzz Aldrin, sold for \$256,000



NEWS IN BRIEF

EFFICIENT COOLING SEEN AS KEY TO KEEPING CLIMATE CHANGE IN CHECK

After enduring the hottest decade on record, India aims to keep its homes and workplaces cool without raising energy consumption with one simple change: raising the temperature settings on air conditioners. The government has mandated a default temperature of 24 degrees Celsius, instead of the standard 20-21C for units made or sold from the start of this year, and wants commercial buildings to keep air conditioning at that level. The measure could cut national energy consumption by 24% for households and 20% for businesses, according to a UN report that called for a switch to more energy-efficient cooling systems.

The UN report said that while cooling devices, like air conditioners and refrigerators are crucial to human health and the global economy, emissions from the fossil fuels used to power them, could worsen climate change. Doubling the energy efficiency of the cooling equipment can save something like 1,600 medium-sized power plants from being built by 2030, the report said, adding that this should be a focus in the post-pandemic recovery plans. It also said that phasing out climate-warming refrigerant gases, known as hydrofluorocarbons, could help the world avoid up to 0.4C of global warming by 2100

ENVIRONMENT



Better building design could also help by reducing consumption, or the need for cooling as well as create jobs, the report said. For example, a clean white roof that reflects 80% of sunlight would stay about 30 degrees C cooler than a grey roof that reflects only 20% of sunlight, and well-designed cities could save 25% of the energy used for heating and cooling



Be an eco warrior. Suggest ways to curb global warming at toinie175@gmail.com / nie175@gmail.com

GOOGLE 'NEARBY SHARE' TOOL COMING TO ANDROID USERS IN AUGUST

Google is set to launch its Apple AirDrop-like file sharing feature for Android users sometime in August. Called Nearby Share, and currently in Beta, the tool will be available for the current Android users. The Android users will likely get the feature as a Play Store update package.

Nearby Share is a simple and seamless file-sharing solution like Apple's AirDrop. Just like AirDrop, the Google feature relies on both Bluetooth and Wi-Fi. The feature will allow users to share files between Android devices quickly, easily and wirelessly. A user can share files, such as photos and videos, links, and other stuff as well. When a device nearby wants to share with the user, a notification will appear; one can tap it to make the device visible

TECH BUZZ



AirDrop is a service for Apple iOS and macOS users, which enables the transfer of files among supported Mac computers and other iOS devices without using e-mail or a mass storage device

SAY NO TO VALVE MASK



Amid the Covid-19 pandemic, if you step out wearing a valve mask you bought for pollution, you should consider changing it. Valve masks pose serious health risks to people around you, warn experts.

SAFETY MANUAL

Though health experts have advocated for face masks to prevent the spread of Covid, masks with valves only filter inhaled air, they say. So, if you are a Covid carrier, you will infect others, if your mask has a valve, they warn.

WHY YOU SHOULD NOT WEAR A MASK WITH VALVE

- Masks with one-way valves filter the air you inhale, but these do not filter exhaled air
- The valve expels exhaled air in a strong, steady stream, which moves with speed
- If the wearer is a Covid-19 carrier, those around them can be infected

WHAT IS A VALVE? Valves are often a raised plastic disk, about the size of a coin, in the centre or side of the mask

HOW DO VALVE MASKS WORK? Inhaled air is filtered through the fabric, and hot, humid exhaled air goes out through the valve. It facilitates easy breathing, but is harmful during Covid-19

Dubai-based desi girl breaks world record in performing yoga poses

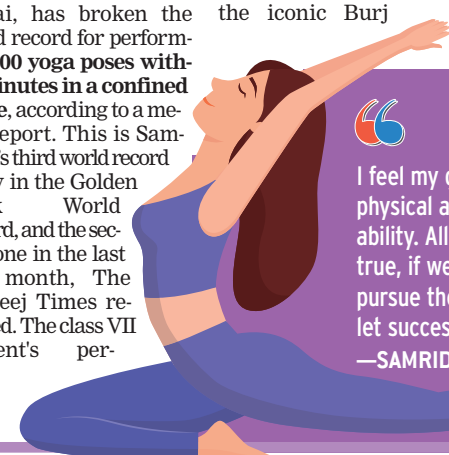
Eleven-year-old Samridhi Kalia, an Indian based in Dubai, has broken the world record for performing 100 yoga poses within minutes in a confined space, according to a media report. This is Samridhi's third world record entry in the Golden Book World Record, and the second one in the last one month. The Khaleej Times reported. The class VII student's performance was recorded at the iconic Burj Khalifa's viewing deck on Thursday. On Yoga Day (June 21) this year, Samridhi bagged her second world record, performing 40 advanced yoga postures in one minute.

IN THE RECORD BOOK

Khalifa's viewing deck on Thursday. On Yoga Day (June 21) this year, Samridhi bagged her second world record, performing 40 advanced yoga postures in one minute.



I feel my greatest asset is not my physical ability, it is my mental ability. All our dreams can come true, if we have the courage to pursue them. Work hard in silence, let success be your noise
—SAMRIDHI KALIA



WET YOUR APPETITE

To keep the magic that comes with rains intact, it is advisable to watch what you eat in the monsoon season...

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The sky is overcast, it is pouring outside, you settle down for a rainy day! What could possibly go wrong in this dreamy weather, you think. Well, a lot. For all the romantic notions associated with the monsoon season, it is also the reigning season of bugs and bacteria. According to Ayurveda, monsoon is the time when because of humidity or moisture in the atmosphere, the air and the water element in the body tend to get disturbed. The heaviness which comes with humidity and loss of fluids with perspiration induces lower energy levels and poor digestion, resulting in lethargy, skin and gastric disorders and respiratory problems. We get experts to give some useful advice for a rainy day...

1 Humidity is high during monsoon, causing a lot of sweating, so dehydration levels are high. Water alone is not enough since it doesn't give the body the required nutrients and electrolytes. So take coconut water, nimbu pani, chaas and lassi.

2 Joint pains, acidity, flatulence are all a result of aggravated vata (air) and kapha (water) elements, therefore diets and daily regimen should consist of foods that are warming and drying in nature. Try besan (gram flour), black chana, arhar, moong, soups and roasted chana. Avoid curds, raw salads, and fermented foods as they tend to further aggravate acidity, gas and joint pains.



water taken regularly cleanses the blood, keeps the skin and the digestive system free of congestion and aids elimination of toxins from blood and digestive tract.

3 The fruit of the neem tree which also comes in this season acts like an antidote and purifies blood to help you detox. Amaltas which is in full bloom in summer also yields dark brown pods in this season. Soak the pulp of these pods with the pulp of tamarind (10 gm) each day. Next morning mash and sieve it. This



4 Drink water flavoured with chamomile, dalcini (cinnamon) or fennel (saunf) to detoxify your system. If your parents suffer from arthritis, you could ask them to drink warm water with a little tulsi and dalcini first thing in the morning, on an empty stomach. This reduces pain in the joints, common in this weather.

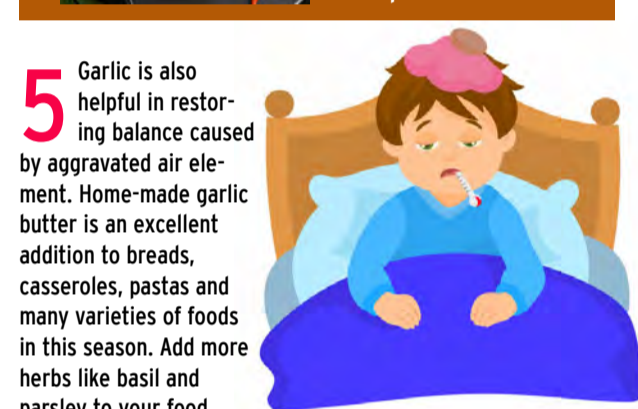
8 Add digestive spices like ginger, cinnamon and black pepper to your tea to counter the aggravation of vata (air). Ginger tea with old honey aids digestion and makes up for loss of fluids from the body.



7 Use of Indian cow's organic ghee, light oils like olive oil and sunflower oil and cooked mustard oil are highly recommended in monsoon.



6 It is important to maintain the optimum temperature of food to avoid spoilage. Milk, veggies and non-veg items should be stored at their optimum temperatures.



5 Garlic is also helpful in restoring balance caused by aggravated air element. Home-made garlic butter is an excellent addition to breads, casseroles, pastas and many varieties of foods in this season. Add more herbs like basil and parsley to your food.



Inputs by ARTI GAUR, an Ayurveda expert and RITIKA SAMADDAR, HOD Dietetics, Max Healthcare

Tech Talk

5 extensions to make online class cool

There is a growing list of Chrome extensions that can enhance your virtual classroom experience. This list is not just for students but teachers too!

GRID VIEW FOR GOOGLE MEET

Grid view makes it possible to see all of your classmates on-screen at one time. You can successfully use Grid view in a session with more than 200 participants and it works very well.
Keep in mind that when Grid View is active, all participant's screens are shown at the same time. If you are presenting something for your class, they should turn Grid view OFF so that your screen is larger.
Note: Google recently added "tiled view" to Google Meet which will display up to 16 participants at a time. If you have more than 16 classmates in a video chat, you should install Grid View.



NOD REACTIONS FOR GOOGLE MEET

The Nod Chrome extension adds in Facebook-like reactions. Students can clap, raise their hand, or LOL during your session without interrupting the speaker.
The Nod extension MUST be installed before you will see reactions from others in the call.

and keep track of the Meet chat and video windows you need to organise your tabs into two windows - one that contains the websites you want to share and another that lets you view the Google Meet platform.
If you have dual monitors this is pretty easy. But if you are "dual-less", you can use this handy Chrome Extension!

Meet Attendance

This extension will record a list of everyone who is present in a live session. Attendance information is stored in a Google Sheet which is only accessible by the meeting creator.
Only the teacher

needs to have this extension installed.

While it does work, the Meet attendance interface is a bit funky. You'll want to spend some time playing with it to understand how it works.

Push to Talk

This is a great extension for young students who struggle to push the mute/unmute button. When this extension is installed, you must press the space bar to talk. Let go of the space bar and your mic is muted again.
While it's not perfect, this extension helps address the lack of a "mute all" button on Meet.

COOL TIP: Once you join your online class, you have to manually mute the mic. This is required before the push-to-talk extension will work. From this point forward - you can use the spacebar to control your microphone.

DUALLESS WINDOW SPLITTER

Use Dualless to split your screen into two windows so that you can screen share and monitor what's happening in class at the same time.
If you want to share your screen



TEST YOURSELF

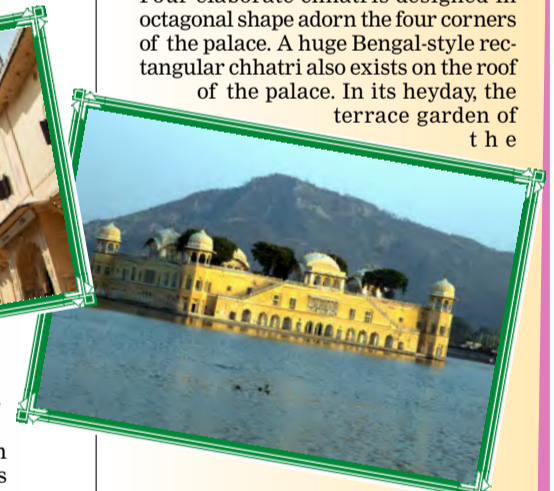
HISTORY MYSTERY

NAHARGARH FORT, Jaipur

It was built in 1734 by Maharaja Sawai Jai Singh II, founder of Jaipur, on the Aravalli hills, as a retreat place. The fort follows Indo-European architecture and there are many structures inside the fort. To the left of the entrance gate "Tadigate", there is a temple dedicated to the deity of Jaipur rulers. Apart from this, there is another temple inside the fort, dedicated to the Rathore prince - Nahar Singh Bhomia. One of the beliefs attached to the construction of this fort is that its construction was obstructed by the spirit of the Rathore prince Bhomia. However, the spirit was pacified when a temple dedicated to him was built inside the fort. Sawai Ram Singh renovated this fort in 1868. Nahargarh Fort was never attacked but, it witnessed some major historical events.

What was the former name of Nahargarh Fort?

Answer: Sudarshangarh Fort



JAL MAHAL, Jaipur

Jal Mahal was built by Maharaja Sawai Pratap Singh in 1799. It served as a hunting lodge for his duck shooting trips. While four of its storeys remain underwater, only the top storey remains visible, giving an impression that the palace is floating on the waters of the lake. Jal Mahal was constructed with red sandstone. Four elaborate chhatris designed in octagonal shape adorn the four corners of the palace. A huge Bengal-style rectangular chhatra also exists on the roof of the palace. In its heyday, the terrace garden of the

Jal Mahal was decorated with arched passages. It is a great example of Rajput Architecture.

Name any other monument built by Maharaja Sawai Pratap Singh?

Answer: Hawa Mahal

Photos: MILIND KUDAPA

Content and pics by 'History Diaries'. Co-founded by IIT-Delhi alumni, it is an initiative to make history interesting, engaging and relevant, transforming the way it is being taught in schools

ROALD DAHL CHARLIE AND THE CHOCOLATE FACTORY
WILLY WONKA'S PICK 'N' MIX

Which of Willy Wonka's wonderful ingredients isn't in the words because greedy Augustus Gloop has eaten it all?

CACAO	CARAMEL	CREAM
CHOCOLATE	CANDY	SUGAR
NUT	TOFFEE	BUTTERSCOTCH

R	A	C	A	C	A	O	L	F	P	M	Y	R	O	E	Y	K
X	Y	N	Z	G	O	X	P	Y	N	X	N	U	T	B	L	
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U	R	A	G	U	S	Z	V	B	V	C	Y	J	D	M	Y	

AUGUSTUS GLOOP HAS EATEN ALL THE

Quiz time

MIXED BAG

- Q.1) Which river did George Washington's troops cross to engage in the Battle of Trenton?**
A. Delaware
B. Potomac
C. Hudson
D. Mississippi
- Q.2) Which leader was overthrown by the US invasion of Iraq in 2003?**
A. Saddam Hussein
B. Abdel Gamael Nasser
C. King Saud
D. Indira Gandhi
- Q.3) Where did the abortive 1961 invasion of Cuba take place?**
A. Bay of Biscay
B. Guantanamo Bay
C. Havana Bay
D. Bay of Pigs
- Q.4) In which year was the Battle of Hastings fought?**
A. 1055 B. 1061
C. 1011 D. 1066
- Q.5) Which of these wars was the longest in history?**
A. The Vietnam War
B. The Hundred Years' War
C. The Peloponnesian War
D. World War II

ANSWERS

1. A) Delaware 2. A) Saddam Hussein
3. D) Bay of Pigs 4. D) 1066
5. B) The Hundred Years' War