THE TIMES OF INDIA

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TODAY'S EDITION

> Figure out how to make good use of graphic organisers that help you in scheduling your prep timetable and make you exam-ready! **PAGE 2**

> The former captain cool, MS Dhoni, is still an inspiration for many youngsters, writes a student **PAGE 3**

> Salah hits a hat-trick as Liverpool defeat Manchester United 5-0 in Premier League **PAGE 4**

STUDENT EDITION
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TUESDAY, OCTOBER 26, 2021

CLICK HERE: PAGE 1 AND 2
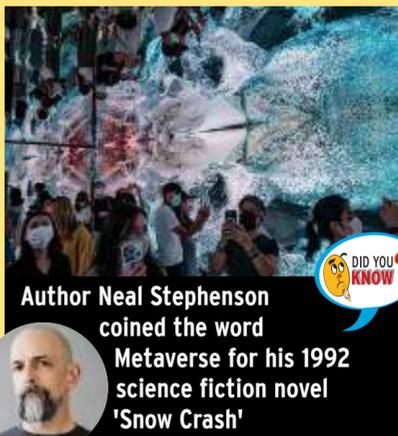

TRENDING

METAVERSE

WHAT

The metaverse is the latest buzzword to capture Facebook's imagination. A combination of the prefix "meta", meaning beyond, and "universe", it's a world of endless, interconnected virtual communities where people can meet, work and play, using virtual reality headsets, augmented reality glasses, smartphone apps or other devices. In other words, it refers to shared virtual worlds where land, buildings, avatars and even names can be bought and sold, using cryptocurrency.

WHY

IS IT A GAME CHANGER: According to experts, apart from incorporating online life such as shopping and social media, the metaverse could be a game-changer for the work-from-home shift. Instead of seeing co-workers on a video call grid, employees could see them virtually. In the words of Victoria Petrock, an analyst, "It's the next evolution of connectivity where all of those things start to come together in a seamless, doppelganger universe, so you're living your virtual life the same way you're living your physical life."

IS IT JUST A FB PROJECT?

No. Consumer brands are getting in on it, too. Italian fashion house Gucci collaborated in June with Roblox to sell a collection of digital-only accessories. Coca-Cola and Clinique have sold digital tokens pitched as a stepping stone to the metaverse. Video game companies also are taking a leading role. Epic Games, the company behind the popular Fortnite video game, has raised $1 billion from investors to help with its long-term plans for building the metaverse. Game platform Roblox is another big player, outlining its vision of the metaverse as a place where "people can come together within millions of 3D experiences to learn, work, play, create and socialise.

DID YOU KNOW?

Author Neal Stephenson coined the word Metaverse for his 1992 science fiction novel 'Snow Crash'

Younger people within G20 want bold climate actions: Poll

A major poll of public opinion on climate change in the G20 countries published on Monday by the UN Development Programme (UNDP) and the University of Oxford shows how public support for climate action is set to strengthen in the near future, as climate-aware teenagers become of voting age, enter the workforce, and move into positions of greater influence. In all of the G20 countries surveyed, a majority of under-18s said, they believed climate change is a global emergency, ranging from Argentina and Saudi Arabia (63 per cent), to Italy and the UK (86 per cent).

The new poll, called the 'G20 Peoples' Climate Vote', surveyed over 689,000 people, including over 302,000 people under the age of 18, and has been published ahead of a crucial G20 summit in Rome this weekend, and the COP26 climate talks in Glasgow next week

■ The most popular climate policies among under-18s in the G20 countries surveyed were conservation of forests and land (59 per cent), using solar, wind and renewable power and using climate-friendly farming techniques (both 57 per cent).

■ Support for these policies was stronger among young people by three percentage points for the first two policies, and by 4 % for climate-friendly farming

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'More contagious' mutant scaring UK found in India too

CORONA UPDATE

The new mutated form (AY.4.2) of the coronavirus that has caused panic in Europe — it's presumably more contagious than Delta — is present in India "in very low numbers", said scientists of the INSACOG network monitoring variations in SARS-CoV-2. Dr Anurag Agrawal, director at the CSIR Institute of Genomics and Integrative Biology (IGIB) in Delhi, said: "AY.4.2 is present in India based on the revised definition, but at very low numbers, less than 0.1%." IGIB is one of the main laboratories involved in the INSACOG genomic surveillance exercise. He added further details and the exact number of AY.4.2 in India would be available soon. AY.4.2 is a descendant of the Delta variant, which has so far been considered the most dangerous form, affecting millions.

AY.4.2 is suspected to be the cause for the exponential rise in Covid cases in the UK, Russia (a lockdown will start in Moscow next week) and Israel. However, scientists say the AY.4.2-related findings still carry a high level of uncertainty, and it is still early to say this lineage carries higher risk of illness and/or death

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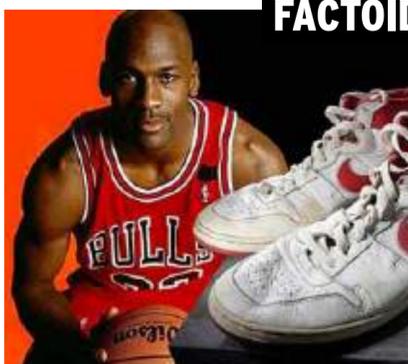
Adele wants Idris Elba to be the next JAMES BOND

Grammy winning-singer Adele has revealed that she actually would like to see 'Loki' actor Jonathan Major replace Daniel Craig as James Bond, but because he's American, her second choice is the star Idris Elba, who has previously been tipped to take on the iconic role as the fictional suave spy in the franchise.

Elba sent fans into a frenzy back in 2018 when he tweeted a selfie with the caption 'My name's Elba, Idris Elba', which sparked speculation that he was being lined up for the part, reports femalefirst.co.uk.

ENTERTAINMENT

$1.5 MILLION

Price of a pair of sneakers worn by NBA superstar Michael Jordan early in his career that was sold recently at an auction. The white leather shoes with the red Nike swoosh and soles were worn by the iconic player in the fifth game of his rookie season with the Chicago Bulls, when Nike's Jordan-affiliated brand was only just taking off as a sensation both on and off the court. The astronomical price easily beat the record held by a pair of Nike Air Jordans, which sold for $615,000 in August 2020 at a Christie's auction.

FACTOID

Quote unquote

The pandemic will end when the world chooses to end it. It is in our hands. We have all the tools we need: effective public health tools and effective medical tools. But the world has not used those tools well. With almost 50,000 deaths a week, the pandemic is far from over

Tedros Adhanom Ghebreyesus, chief, WHO

02

You don't have to see the whole staircase. Just take the first step.

-Martin Luther King Jr

FOCUS. LEARN. MASTER

DECODE YOUR POTENTIAL IN COMP APPLICATIONS

EXAMS R fun

CLASS: X

SUBJECT: COMPUTER APPLICATIONS

Marks: 15

PAPER SET BY MANPREET KAUR JUDGE, COMPUTER APPLICATIONS TEACHER, AAVISHKAR ACADEMY, BENGALURU

SECTION-A

Question 1

a) Which of the following can be omitted while using for loop? **(5X1=5)**
(i) Update statement
(ii) Initial value
(iii) Test expression
(iv) All of them
1. (i) & (ii) 2. (iv) & (i)
3. (iv) 4. (i)
Answer: 3

b) Which one out of these is an infinite loop?
1) for (i=2;i<10;a+-2)
2) for (i=0;i<10; a++)
3) i=2; do{ i++; }while (i < 20);
4) for (i=0; i<=10;i–)
Answer: 4

c) Complete the following statement. The do......while loop repeats a set of statements_____ even if the condition is false.
1) at least once
2) twice
3) infinite times
4) not even once
Answer: 1

d) See the syntax and name what type of loop it is?
a= 1;
while (a<10)
{
}

1) Infinite loop **2)** Empty loop
3) Finite loop **4)** User controlled loop
Answer: 2

e) Read the following code segment properly and predict how many times the loop will be executed?
int a = 1, b = 2;
  while(++b < 6)
  a *= b;
System.out.println(a);

1) two times **2)** three times
3) four times **4)** five times
Answer: 2

SECTION-B

Question 2

Define a class named movie Magic with the following description:

DATA MEMBERS	PURPOSE
int year	To store the year of release of a movie
String title	To store the title of the movie
float rating	To store the popularity rating of the movie (minimum rating=0.0 and maximum rating=5.0)

MEMBER METHODS	PURPOSE
movieMagic()	Default constructor to initialize numeric data members to 0 and String data member to "".
void accept()	To input and store year, title and rating
void display()	To display the title of the movie and a message based on the rating as per the table given below

RATINGS TABLE	
RATING	MESSAGE TO BE DISPLAYED
0.0 to 2.0	Flop
2.1 to 3.4	Semi-Hit
3.5 to 4.4	Hit
4.5 to 5.0	Super-Hit

Write a main method to create an object of the class and call the above member methods. **(6 X 1 = 6)**

Answer:
import java.util.Scanner;

public class movieMagic
{
    private int year;
    private String title;
    private float rating;

    public (a)_____() {
        year = 0;
        title = "";
        rating = (b) ____;
    }

    public (c) ____ accept() {
        Scanner in = new Scanner(System.in);
        System.out.print("Enter Title of Movie: ");
        title = (d) _____;
        System.out.print("Enter Year of Movie: ");
        year = in.nextInt();
        System.out.print("Enter Rating of Movie: ");
        rating = in.nextFloat();
    }

    public void display() {
        String message = "Invalid Rating";
        if (rating (e) _____)
            message = "Flop";
        else if (rating <= 3.4)
            message = "Semi-Hit";
        else if (rating <= 4.4)
            message = "Hit";
        else if (rating <= 5.0)

message = (f) _____;
        System.out.println(title);
        System.out.println(message);
    }

    public static void main(String args[])
    {
        movieMagic obj = new movieMagic();
        obj.accept();
        obj.display();
    }
}

a) 1) MovieMagic
2) moviemagic
3) movieMagic
Answer: 3

b) 1) "0.0"
2) 0.0
3) 0
Answer: 2

c) 1) void
2) Void
3) int
Answer: 1

d) 1) sc.nextLine();
2) in.nextLine();
3) in.next();
Answer: 2

e) 1) == 2.0
2) >= 2.0
3) <= 2.0
Answer: 3

f) 1) "Super-Hit"
2) 'Super-Hit'
3) "SuperHit"
Answer: 1

Question 3

Read the paragraph given below and answer the questions given below:
Case study 1

A block of statements which gets executed repeatedly unless the required work gets done is called a loop or an iterative construct. Based on the flow of control these constructs can be divided into two categories - Entry and Exit controlled loop. Entry control loop checks the condition in the beginning and exit control loop at the end or exit point of the loop. For and while loops are entry controlled loops whereas do...while is an exit controlled loop. Writing a loop requires initialization condition where we initialize the variable in use. It marks the start of a loop generally. An already declared variable can be used or a variable can be declared, local to loop only. Testing Condition is used for testing the exit condition for a loop. It must return a boolean value. It can be entry or exit control loop. Statement execution happens once the condition is evaluated to true, the statements in the loop body are executed according to these conditions. Increment or Decrement is used for updating the variable for next iteration. Loop is terminated when the condition becomes false marking the end of its life cycle.

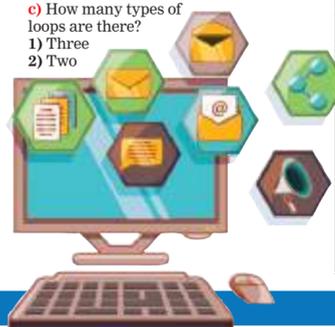**a)** A testing condition returns a ___ value. **(4 X 1 = 4)**
1) true
2) boolean
3) false
Answer: 2

b) The loop executes only if ____
1) The testing condition is true.
2) The testing condition is false.
3) The testing condition is incremented.
Answer: 1

c) How many types of loops are there?
1) Three
2) Two

3) Four
Answer: 2

d) What does the Initializing variable decide?
1) Test condition of the loop
2) Ending of the loop
3) Beginning of the loop
Answer: 3

With the CISCE changing the exam pattern for year 2021-22, confusion among the students as well as the teaching fraternity has increased as the board opted for multiple choice questions and online testing mode for Semester 1. The students are perplexed as to how to prepare for this format. At the same time teachers are busy trying to decode how to prepare their students for the same. The Group III (Computer Application) students have totally gotten a 360 degree turn.

Certain important points which might come in handy and be relevant for Computer Application students are being reiterated. First and foremost the students need to be thorough with the basics and go through the textbooks without leaving any details as the questions can be asked from anywhere. Secondly, while revising they need to be thinking in reverse i.e. instead of thinking of how to answer the questions, they also need to think of about "How or in which way they can be questioned from a particular topic?". They also need to be very cautious while reading the questions especially the ones which use negative statements.

While attempting questions in Section A - thorough knowledge of theoretical concepts will help. Questions like predict the output or Q1 e) given above should always be answered after giving a dry run and not by mental calculations or guesswork.

While attempting Section- B the students need to understand the logic of the program given in the paper, analyze, work with the logic and then attempt to complete it. Understanding the concepts is of utmost importance as then only the students will be able to comprehend the logic. It's also equally important to mention that writing and practically solving the program questions is of utmost importance, as that is a sure shot method of getting the right logic and syntax and making you confident to face your exams.

For case study questions reading the passage, comprehending it and then choosing the most appropriate answer is really very important.

Age old proverb "Practice makes a man perfect" still holds true and there is no alternative to hard work.

GET SET GO WITH GRAPHIC ORGANISERS

TYPES OF GRAPHIC ORGANISERS (GO)

Let's dive into some really simple yet effective types of graphic organisers that help you keep track of your subjects & syllabus

Graphic organisers (GO) have been used for long, to organise knowledge in a systematic way, which would otherwise seem to be complicated. It helps retain learning like a doddle in a student's mind.

With art integration playing a key role in education, this tool helps to integrate art in any subject. It has many names like knowledge map, concept map, cognitive organiser, mind map, etc., but has one objective i.e., to aid visual learning. We are all visual learners and it has been proved scientifically that if the information is organised visually there are more chances of knowledge retention.

GOs can be used in multiple ways i.e., to introduce a topic, revise a topic, give it as an activity or as an assessment, worksheet etc. Hence it is useful for board year students who can keep track of their syllabus and studies. There are various websites that offer templates or if you wish to make your own, there are websites for that too!

1 The Incy Wincy Spider GO: This GO makes you define the main topic in detail with descriptive connections to it.

2 The Symbiotic Circles - Venn Diagram/GO are also commonly called as compare and contrast organisers as they compare two elements with each other. Here, along with the differences, similarities of the two elements are also jotted down.

3 The KWL chart / GO allows a student to ponder and note down what they know on a particular topic, what they want to know and what they have learnt at the end of a session. This is an amazing problem-solving GO, which can be used with any topic. It helps the student to recall and then trace the learning progress.

4 The Merry Go Round Cyclic GO can be used to interconnect steps that have no beginning and no end, which goes on and on in a repetitive order. This GO helps students understand the relationship between the various steps/events and hence learn effectively.

5 The Fishy Fishbone GO or the cause-and-effect GO can be used to infer causes of a particular problem. This is related to complex issues and helps in brainstorming concepts related to the problem. The main aim of this GO is to identify the cause for a problem.

6 The Twinkle Twinkle Star GO is an excellent tool to brainstorm and explore components or features of any chapter. You can use the 5 Ws - Who, Where, What, Why and When too. It enhances a student's comprehension skills and also provides an outline for identifying the different elements to a story or a book.

7 The Sequential Flow Chart/ GO represents any process in a stepwise format, which will put the steps one after the other to complete the process. This makes the process easier to understand rather than reading the text line by line. Just have a glance and the entire process is simplified in front of you visually.

8 The Summarising GO - SWBS is an interesting way to summarise a story with the help of SWBS GO - that is, Somebody - Wanted - But - So GO, where you can start off with who is the main character, what did the character want, what was the problem, how did the character try to solve the problem and then later you can end with the resolution to the problem. In this way you can at a glance revise the story and the main idea of the story.

You can get amazingly creative and have fun with graphic organisers to make your own in accordance to the topic, concept or content.

Sneha Warang, teacher, Vikhe Patil Memorial School, Lohegaon, Pune