



# Narsee Monjee Institute of Management Studies

## Notations :

- 1.Options shown in **green** color and with  icon are correct.
- 2.Options shown in **red** color and with  icon are incorrect.

<b>Question Paper Name :</b>	NPAT 2021 27th June 2021 Shift 1
<b>Subject Name :</b>	NPAT 2021
<b>Creation Date :</b>	2021-06-25 17:01:27
<b>Duration :</b>	106
<b>Total Marks :</b>	122
<b>Display Marks:</b>	Yes
<b>Calculator :</b>	Normal
<b>Magnifying Glass Required? :</b>	No
<b>Ruler Required? :</b>	No
<b>Eraser Required? :</b>	Yes
<b>Scratch Pad Required? :</b>	Yes
<b>Rough Sketch/Notepad Required? :</b>	Yes
<b>Protractor Required? :</b>	No
<b>Show Watermark on Console? :</b>	Yes
<b>Highlighter :</b>	No
<b>Auto Save on Console? ( SA type of questions will be always auto saved ) :</b>	No

## Display Notepad Pre Exam

<b>Group Number :</b>	1
<b>Group Id :</b>	9046841556

<b>Group Maximum Duration :</b>	3
<b>Group Minimum Duration :</b>	3
<b>Show Attended Group? :</b>	No
<b>Edit Attended Group? :</b>	No
<b>Break time :</b>	0
<b>Group Marks :</b>	1
<b>Is this Group for Examiner? :</b>	No

## Display Notepad Pre Exam

<b>Section Id :</b>	9046841649
<b>Section Number :</b>	1
<b>Section type :</b>	Offline
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	1
<b>Number of Questions to be attempted :</b>	1
<b>Section Marks :</b>	1
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	9046842530
<b>Question Shuffling Allowed :</b>	No

**Question Number : 1 Question Id : 90468413675 Question Type : SUBJECTIVE**

**Correct Marks : 1**

Kindly display your Notepad (Rough Sheet) for 3 minutes before the webcam. Also show both pages both sides numbered 1,2,3 and 4. This is a mandatory step if you are using rough sheets.

## Proficiency in English Language

<b>Group Number :</b>	2
<b>Group Id :</b>	9046841557
<b>Group Maximum Duration :</b>	0
<b>Group Minimum Duration :</b>	0
<b>Show Attended Group? :</b>	No
<b>Edit Attended Group? :</b>	No
<b>Break time :</b>	0
<b>Group Marks :</b>	40
<b>Is this Group for Examiner? :</b>	No

## Proficiency in English Language

<b>Section Id :</b>	9046841650
<b>Section Number :</b>	1
<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	28
<b>Number of Questions to be attempted :</b>	28
<b>Section Marks :</b>	40
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	9046842531
<b>Question Shuffling Allowed :</b>	Yes

**Question Number : 2 Question Id : 90468413676 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No Correct Marks : 1 Wrong Marks : 0**

In the given sentence, four words/phrases have been underlined and the underlin

words/phrases are given as options. Select the option that contains an error.

Scientists in India have developed the new variety of brinjal.

**Options :**

1. ✘ Scientists in India
2. ✘ have developed
3. ✔ the new variety
4. ✘ of brinjal

**Question Number : 3 Question Id : 90468413677 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Parts of the given sentence have been underlined and given as options. One of them contains a grammatical error. Select the option that has the error.

Over the last year I have avoided to go to the doctor unless absolutely necessary.

**Options :**

1. ✘ Over the last year
2. ✘ I have avoided
3. ✔ to go to the doctor
4. ✘ unless absolutely necessary

**Question Number : 4 Question Id : 90468413678 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Parts of the given sentence have been underlined and given as options. One of them contains a grammatical error. Select the option that has the error.

Since the car is new, it isn't as sturdy as my old car.

**Options :**

1. ✔ Since the car is new

2. ✘ it isn't
3. ✘ as sturdy as
4. ✘ my old car

**Question Number : 5 Question Id : 90468413679 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

In the given sentence, four words/phrases have been underlined and the underlined words/phrases are given as options. Select the option that contains an error.

Ravi and Shashi is responsible for the confusion created yesterday.

**Options :**

1. ✘ Ravi and Shashi
2. ✔ is responsible
3. ✘ for the confusion
4. ✘ created yesterday

**Question Number : 6 Question Id : 90468413680 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

In the given sentence, four words/phrases have been underlined and the underlined words/phrases are given as options. Select the option that contains an error.

I have so much luggages; I'm sure I'll have to pay for excess baggage.

**Options :**

1. ✘ I have
2. ✔ so much luggages
3. ✘ I'm sure I'll have to pay
4. ✘ for excess baggage

**Question Number : 7 Question Id : 90468413681 Question Type : MCQ Option :**

**Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Select the most appropriate option to fill in the blank.

Do you really think the medicine will cure you \_\_\_\_\_ your illness?

**Options :**

1. ✓ of
2. ✗ from
3. ✗ with
4. ✗ for

**Question Number : 8 Question Id : 90468413682 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Select the most appropriate option to fill in the blank.

I had the room painted. So, please don't lean \_\_\_\_\_ the walls.

**Options :**

1. ✗ by
2. ✗ over
3. ✗ along
4. ✓ against

**Question Number : 9 Question Id : 90468413683 Question Type : MCQ Option Shuffling : Yes Is**

**Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Select the most appropriate option to fill in the blank.

By the time you reach the site, the electricians \_\_\_\_\_ the lights in the bedroom.

**Options :**

1. ✗ will fix

2. ✘ would fix

3. ✔ will have fixed

4. ✘ have fixed

**Question Number : 10 Question Id : 90468413684 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Select the most appropriate option to fill in the blank.

They \_\_\_\_\_ their hometown twice a year.

**Options :**

1. ✘ are visiting

2. ✘ visits

3. ✘ are visited

4. ✔ visit

**Question Number : 11 Question Id : 90468413685 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Select the most appropriate option to fill in the blank.

Tawang is a beautiful place to visit \_\_\_\_\_ the difficulties faced while getting there.

**Options :**

1. ✘ with

2. ✔ despite

3. ✘ besides

4. ✘ though

**Question Number : 12 Question Id : 90468413686 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Select the most appropriate option to fill in the blank.

Vinu exercises regularly, \_\_\_\_\_, he is fit.

**Options :**

1. ✓ therefore
2. ✗ as
3. ✗ furthermore
4. ✗ moreover

**Question Number : 13 Question Id : 90468413687 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Select the most appropriate option to fill in the blank.

Shamim invited \_\_\_\_\_ friends over to her house for dinner.

**Options :**

1. ✓ a few
2. ✗ few
3. ✗ much
4. ✗ little

**Question Number : 14 Question Id : 90468413688 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Select the most appropriate option to fill in the blank.

Shekhar finished his work quickly because he had \_\_\_\_\_ to do.

**Options :**

1. ✗ a little
2. ✓ little



3. ✖ a few

4. ✖ few

**Question Number : 15 Question Id : 90468413689 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Select the option that gives the most appropriate meaning of the underlined word.

I felt rather fragile for a few days after the operation.

**Options :**

1. ✔ weak

2. ✖ delicate

3. ✖ unstable

4. ✖ sturdy

**Question Number : 16 Question Id : 90468413690 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Select the option that gives the most appropriate meaning of the underlined word.

White blood cells help defend the body against infection.

**Options :**

1. ✖ nourish

2. ✔ protect

3. ✖ resist

4. ✖ shelter

**Question Number : 17 Question Id : 90468413691 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Select the option that gives the most appropriate meaning of the underlined phrase.

Now that our exams are over, let's paint the town red.

**Options :**

1. ✖ Buy paints in different shades of red
2. ✖ Join painting classes
3. ✖ Go to town and watch a film
4. ✔ Go out and enjoy oneself

**Question Number : 18 Question Id : 90468413692 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Select the option that gives the most appropriate meaning of the underlined phrase.

Covid-19 is a blessing in disguise. I've got the time to pursue my hobbies.

**Options :**

1. ✖ Something that seems like a waste of time but turns out to be useful
2. ✔ Something that seems unlucky at first but leads to something good later
3. ✖ Something that seems lucky at first but leads to something bad later
4. ✖ Something that seems to be useful but turns out to be a waste of time

**Question Number : 19 Question Id : 90468413693 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Select the option that gives the most appropriate meaning of the underlined word.

My brother gets a handsome salary.

**Options :**

1. ✖ Ugly
2. ✖ Small
3. ✔ Large

4. ✖ Average

Question Number : 20 Question Id : 90468413694 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Select the most appropriate option to fill in the blank.

Have you \_\_\_\_\_ how much it will cost?

Options :

1. ✔ figured out
2. ✖ figured in
3. ✖ figured on
4. ✖ figured

Question Number : 21 Question Id : 90468413695 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Select the most appropriate option to fill in the blank.

If you don't want to stay at home tonight, that is \_\_\_\_\_ fine by me.

Options :

1. ✔ perfectly
2. ✖ utterly
3. ✖ rightly
4. ✖ extremely

Question Number : 22 Question Id : 90468413696 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Select the most appropriate ANTONYM of the underlined word.

The Egyptians believed that the mummified body was the home for the soul or spirit.

**Options :**

1. ✖ supposed
2. ✖ assumed
3. ✖ questioned
4. ✔ doubted

**Question Number : 23 Question Id : 90468413697 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the right order to form a meaningful and coherent paragraph.

- A. Proper hydration means ensuring that your body maintains that level of water, as we are constantly losing water.
- B. Water constitutes about 60-70 per cent of the human body.
- C. In addition, it removes waste, protects our joints and keeps our skin soft and supple.
- D. Hydration is important for our overall well-being irrespective of our overall activity levels.
- E. It helps regulate temperature, transport nutrients and oxygen to all the millions of cells in the body.

**Options :**

1. ✖ BDACE
2. ✔ DABEC
3. ✖ DCABE
4. ✖ BACED

**Question Number : 24 Question Id : 90468413698 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the right order to form a meaningful and coherent paragraph.

- A. And woe betide anyone unlucky enough to be in the same water as a shoal of piranhas.
- B. It takes only a few minutes for the vicious piranhas to reduce someone to a mere skeleton.
- C. Most people think that this is a deadly creature that swarms through rivers and creeks of the Amazon rainforest looking for victims to tear apart.
- D. The truth is that the piranha is really a much more nuanced animal than the mindless killer depicted in the media.
- E. The piranha is a much maligned fish.

**Options :**

- 1. ✘ CDABE
- 2. ✘ BDACE
- 3. ✘ DCBAE
- 4. ✔ ECABD

**Question Number : 25 Question Id : 90468413699 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the right order to form a meaningful and coherent paragraph.

- A. Many types of cobwebs are laced with penicillin, a fungus that contains antibiotic properties.
- B. Most people associate cobwebs with an unkempt house.
- C. But the presence of cobwebs does not suggest an unhealthy space.
- D. In fact, quite the opposite is true.
- E. This is primarily because of the dust that accumulates on the adhesive strands of cobwebs.

**Options :**

- 1. ✘ AEDBC
- 2. ✔ BECDA
- 3. ✘ BDECA
- 4. ✘ AEBCD

**Question Number : 26 Question Id : 90468413700 Question Type : MCQ Option**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Sentences of a paragraph are given below in jumbled order. Arrange the sentences in the right order to form a meaningful and coherent paragraph.

A. Scientists today understand that mercury is extremely poisonous and so it is used in very few products.

B. Nevertheless, there is still a significant amount of mercury in something that we eat quite regularly: fish.

C. However, in the past mercury was used in many common household objects including certain kinds of medicines.

D. Mercury is a highly toxic metal found in neon signs, fluorescent lights, and some kinds of telescopes.

E. Today, most household objects no longer contain mercury, and most people are not exposed to it at their jobs.

**Options :**

1. ✓ DACEB

2. ✗ ABCED

3. ✗ AEBDC

4. ✗ DCABE

**Sub-Section Number :** 2

**Sub-Section Id :** 9046842532

**Question Shuffling Allowed :** Yes

**Question Id : 90468413701 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No**

**Question Numbers : (27 to 31)**

Question Label : Comprehension

Read the given passage and answer the questions that follow.

For many people, working from home, or 'WFH', has also come to mean 'WFB' – working from bed. Getting dressed and commuting to an office has been replaced by splashing water

and cracking open a computer as you settle back under your blanket.

A staggering number of people are setting up shop on their mattresses. According to a 2020 study, 72% of 1,000 Americans surveyed said they had worked remotely from their bed during the pandemic – a 50% increase since the start of the crisis. One in 10 reported they spent “most or all of their workweek” – 24-to-40 hours or more – in bed. This is especially true of young workers; in the UK, workers aged 18 to 34 are the least likely to have a proper desk and chair, and are twice as likely to work from bed than older workers.

But WFB isn't just for lack of a proper chair – many simply love the cosiness and ease of the set-up. On Instagram, the #WorkFromBed hashtag pulls up thousands of photos, many of them featuring smiling people snuggled up in their pyjamas with cups of coffee, maybe even breakfast on a tray.

But the reality is that turning your bed into your office can trigger a slew of health problems, both psychological and physical. And even if you don't notice them now, adverse effects – possibly permanent – could emerge later on in life.

### Sub questions

**Question Number : 27 Question Id : 90468413702 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

According to the passage, which of the following is true of the new style of working during the pandemic?

**Options :**

1. ✘ Waking up and getting dressed for work
2. ✘ Eating and working at the same time
3. ✔ Working from bed in your nightclothes
4. ✘ Using proper office furniture for work

**Question Number : 28 Question Id : 90468413703 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The phrase 'setting up shop on their mattresses' in the second paragraph means that people started:

**Options :**

1. ✘ opening new business establishments
2. ✘ working from home instead of going to office
3. ✔ using their beds as office space instead of a desk
4. ✘ using mattresses because they didn't have chairs

**Question Number : 29 Question Id : 90468413704 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The author uses the Instagram #WorkFromBed hashtag to show how:

**Options :**

1. ✘ lots of people all over the world follow this particular hashtag
2. ✘ many people around the world are Instagram users
3. ✔ working from bed is gaining popularity around the world
4. ✘ people like to post pictures of themselves working from bed

**Question Number : 30 Question Id : 90468413705 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

According to the passage, which of the following is NOT true of 'WFB'?

**Options :**

1. ✘ Working from bed is easier than working from home.
2. ✔ Before the pandemic, Americans did not work from bed.
3. ✘ Youngsters tend to WFB, whereas older people prefer to work from a proper desk and chair.
4. ✘ Access to appropriate furniture is not a factor leading to WFB.

**Question Number : 31 Question Id : 90468413706 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**



Which of the following sentence best captures the main idea of the passage?

**Options :**

1. ✖ Though people did work from bed prior to the pandemic, the number has increased sharply during this period.
2. ✖ While working from bed is comfortable in the short term, it could have consequences for one's health in the long term.
3. ✖ 'WFB' as the new-age office owes its popularity to Instagram where youngsters have shown how one can work in comfort.
4. ✔ People, especially youngsters, enjoy 'WFB' as it doesn't need furniture and is cosy, but they are unaware of its health hazards.

**Sub-Section Number :** 3

**Sub-Section Id :** 9046842533

**Question Shuffling Allowed :** Yes

**Question Id : 90468413707 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No**

**Question Numbers : (32 to 36)**

Question Label : Comprehension

Read the given passage and answer the questions that follow.

Decades of research have shown that spending time in green spaces is good for our physical and mental health – including boosting our emotional states and attention spans and improving our longevity. Even a little goes a long way: a study in the 1980s showed that post-surgery patients assigned to hospital rooms with greenery outside recovered faster than those who didn't have such accommodations.

Yet in many cities, outdoor space – whether your own or in terms of proximity to parks – comes at a premium. According to a study, one in eight British households had no access to a green space at home, whether a private or shared space. That inequity was starker among ethnic groups: in England, black people are almost four times more likely than white people to have no access to private outdoor space. Access to public outdoor space can be a challenge, too: “There are about 100 million people in the US who don't live within 10 minutes of a park or green sp

Kimberly Burrowes, who works with an organization that studies cities. And the poorer an area is, the worse the park quality, even if a park is close by.

“People view nature as an amenity, not as an essential,” says Lorien Nesbitt, an assistant professor of urban forestry at the University of British Columbia in Canada. “I think we don’t always view urban nature as important as running water, housing, that kind of thing.”

### Sub questions

**Question Number : 32 Question Id : 90468413708 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Which of the following statement is NOT true of green, open spaces as per the passage?

**Options :**

1. ✘ The presence of greenery aids in the recovery process of patients.
2. ✘ In most cities, people do not have their own or shared open space.
3. ✔ Such spaces have a positive impact only on the lifespan of people.
4. ✘ Access to open spaces is determined by the colour of one’s skin.

**Question Number : 33 Question Id : 90468413709 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The phrase ‘comes at a premium’ in the second paragraph refers to:

**Options :**

1. ✘ the availability of open spaces in cities
2. ✘ the lack of private and public open spaces
3. ✔ the high cost involved in access to open spaces
4. ✘ the quality of open spaces available in cities

**Question Number : 34 Question Id : 90468413710 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Raghav lives with his family in the heart of a metropolitan city. Based on your reading of the passage, he is likely to have:

**Options :**

1. ✘ access to his neighbour's garden
2. ✔ no access to parks and gardens
3. ✘ easy access to parks and gardens
4. ✘ limited access to parks and gardens

**Question Number : 35 Question Id : 90468413711 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The author uses results from various studies to:

**Options :**

1. ✔ show how urban areas do not have open spaces that are accessible to many people
2. ✘ highlight the problems faced by those who live in poor neighbourhoods in urban areas
3. ✘ illustrate the problems faced by people living in cities as a result of their limited access to open spaces
4. ✘ support the idea that green spaces, though vital, are not accessible to everyone in cities

**Question Number : 36 Question Id : 90468413712 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Which of the following sentence best captures the main idea of the last paragraph?

**Options :**

1. ✔ Nature is as important to people as water and housing.
2. ✘ To most people, having an open space is a luxury.
3. ✘ People living in cities do not view nature as a necessity.
4. ✘ Access to running water and housing is important in cities.

**Sub-Section Number :** 4

**Sub-Section Id :** 9046842534

**Question Shuffling Allowed :** Yes

**Question Id : 90468413713 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No**

**Question Numbers : (37 to 41)**

Question Label : Comprehension

Read the given passage and answer the questions that follow.

Like many writers, I'm a supreme expert at procrastination. When I ought to be working on an assignment, with the clock ticking towards my deadline, I'll sit there watching pointless political interviews or boxing highlights on YouTube. According to traditional thinking, still espoused by university counselling centres around the world, I, along with my fellow procrastinators, have a time management problem. By this view I'm not paying enough attention to how much time I'm currently wasting on 'cyber loafing'. With better scheduling and a better grip on time, so the logic goes, I will stop procrastinating and get on with my work.

Increasingly, however, psychologists are realising this is wrong. Experts have proposed that procrastination is an issue with managing our emotions, not our time. The task we're putting off is making us feel bad – perhaps it's boring, too difficult or we're worried about failing – and to make ourselves feel better in the moment, we start doing something else, like watching videos.

This fresh perspective on procrastination is beginning to open up exciting new approaches to reducing the habit; it could even help you improve your own approach to work. "Self-change of any of sort is not a simple thing, and it typically follows the old adage of two steps forward and one step back," says Pychyl, a psychologist. "All of this said, I am confident that anyone can learn to stop procrastinating."

### **Sub questions**

**Question Number : 37 Question Id : 90468413714 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

In the first paragraph, the writer uses himself to \_\_\_\_\_ the behaviour of a procrastinator.

**Options :**

1. ✖ demonstrate

2. ✖ support
3. ✖ contradict
4. ✔ illustrate

**Question Number : 38 Question Id : 90468413715 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The phrase 'a better grip on time' in the first paragraph means:

**Options :**

1. ✖ improving one's understanding of time
2. ✖ understanding the importance of time
3. ✔ managing time more efficiently
4. ✖ being aware of the passage of time

**Question Number : 39 Question Id : 90468413716 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Which of the following is NOT true of procrastinators as per the passage?

**Options :**

1. ✖ In the old view, procrastinators were poor time managers.
2. ✔ Procrastinators put off tasks because they like working under pressure.
3. ✖ Procrastinators can overcome this habit to some extent over time.
4. ✖ Procrastinators begin to work only when the deadline is near at hand.

**Question Number : 40 Question Id : 90468413717 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The paragraph ends on a note of:

**Options :**

1. ✖ pessimism
2. ✖ cynicism

3. ✓ optimism

4. ✘ realism

Question Number : 41 Question Id : 90468413718 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Which ONE of the following sentences best captures the main idea of the passage?

Options :

1. ✘ Since poor time management is at the heart of procrastination, it can be overcome.
2. ✓ The view of procrastination has undergone a change and with help, it can be decreased.
3. ✘ The new approach to procrastination provides a ray of hope for all last-minute workers.
4. ✘ Procrastinators feel better when they put off tasks they don't like and do other things.

## Reasoning and General Intelligence

Group Number :	3
Group Id :	9046841558
Group Maximum Duration :	0
Group Minimum Duration :	0
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	40
Is this Group for Examiner? :	No

## Reasoning and General Intelligence

Section Id :	9046841651
Section Number :	1

<b>Section type :</b>	Online
<b>Mandatory or Optional :</b>	Mandatory
<b>Number of Questions :</b>	28
<b>Number of Questions to be attempted :</b>	28
<b>Section Marks :</b>	40
<b>Enable Mark as Answered Mark for Review and Clear Response :</b>	Yes
<b>Sub-Section Number :</b>	1
<b>Sub-Section Id :</b>	9046842535
<b>Question Shuffling Allowed :</b>	Yes

**Question Id : 90468413719 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No**

**Question Numbers : (42 to 46)**

Question Label : Comprehension

Study the given information carefully and answer the questions that follow.

The criteria for selecting an Accountant for a marketing organisation are as follows:

The candidate must:

1. not be more than 30 years of age as on 1<sup>st</sup> January 2021.
2. have got First Class (at least 60% of marks) in Master's Degree in Commerce.
3. have secured at least 60% in the written test and more than 55% in the interview.
4. have experience of working in the Accounts department of any organisation for at least one year.

However, if the candidate fulfils all the aforementioned criteria, EXCEPT:

5. at (1) and (3) above but belongs to the SC category, the case is to be referred to the Chief Accounts Officer.
6. at (2) and (4) above but has secured at least 70% in the written test and at least 65% in the interview, the case is to be referred to the Director, Accounts.

Based on the given criteria and without assuming any additional information, you have to take a decision for the following candidate.

## Sub questions

**Question Number : 42 Question Id : 90468413720 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Vikash, an SC candidate, completed his Master's Degree in Commerce scoring 65% of marks in 2016 at the age of 23. Then he worked as an Accountant for 2 years in an organisation. He has secured 62% in the interview and 60% in the written test.

### Options :

1. ✘ He would not be selected.
2. ✔ He would be selected.
3. ✘ His case would be referred to the Chief Accounts Officer.
4. ✘ His case would be referred to the Director, Accounts.

**Question Number : 43 Question Id : 90468413721 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Priyanka was 25 years old at the time of completing her Master's Degree in Commerce in 2018, with 70% of marks. She has experience of working for one year in the Accounts department of a company. She has secured 60% in the written test and 55% in the interview.

### Options :

1. ✔ She would not be selected.
2. ✘ She would be selected.
3. ✘ Her case would be referred to the Chief Accounts Officer.
4. ✘ Her case would be referred to the Director, Accounts.

**Question Number : 44 Question Id : 90468413722 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Salim has experience of working in an organisation as an Accountant for one year and a half, which he joined in 2017 at the age of 23. He obtained 58% of marks to get a Mast



Commerce. He has secured 70% and 68% in the written test and interview, respectively.

**Options :**

1. ✖ He would not be selected.
2. ✖ He would be selected.
3. ✖ His case would be referred to the Chief Accounts Officer.
4. ✔ His case would be referred to the Director, Accounts.

**Question Number : 45 Question Id : 90468413723 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Joseph was born into an SC family in 1988. He completed his Master's Degree in Commerce in 2015 and secured 67% of marks. His written test and interview scores are 65% and 60%, respectively. He worked as a Marketing Manager in an organisation for 2 years.

**Options :**

1. ✖ He would not be selected.
2. ✖ He would be selected.
3. ✔ His case would be referred to the Chief Accounts Officer.
4. ✖ His case would be referred to the Director, Accounts.

**Question Number : 46 Question Id : 90468413724 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

After getting a Master's Degree in Commerce in 2015 at the age of 22 with 67% of marks, Nisha completed a one-year diploma course in Financial Control, following which she worked as an Accountant in a company for some time. She comes from an SC family. She has secured 72% in the interview and 70% in the written test.

**Options :**

1. ✖ She would not be selected.
2. ✖ She would be selected.
3. ✖ Her case would be referred to the Chief Accounts Officer.
4. ✔ Her case would be referred to the Director, Accounts.

**Sub-Section Number :** 2

**Sub-Section Id :** 9046842536

**Question Shuffling Allowed :** Yes

**Question Number : 47 Question Id : 90468413725 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

A team of four is to be selected from among four male players A, B, C, D and four female players E, F, G, H, meeting the given selection criteria:

- i. C cannot go with E.
- ii. F and C have to be together.
- iii. D cannot be put with H.
- iv. B and H cannot go together.
- v. A will always go with E.

If there would be equal number of males and females in the team, which option represents the four players who can be selected as a team?

**Options :**

1. ✘ EGCD
2. ✘ ABFH
3. ✔ GCBF
4. ✘ EAGH

**Question Number : 48 Question Id : 90468413726 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

A team of four is to be selected from among four Indian cricketers P, Q, R, S and four foreign cricketers W, X, Y, Z, meeting the given selection criteria:

- i. P and Y cannot be selected together.
- ii. If R is selected, X will also be selected and vice-versa.

- iii. Z and R cannot go together.
- iv. S and W will always be together.
- v. Q cannot be put with Z.

If there would be equal number of Indian and foreign cricketers in the team, which option represents the four cricketers who can be selected as a team?

**Options :**

- 1. ✘ SYRW
- 2. ✘ QWPS
- 3. ✘ XRZP
- 4. ✔ QRYX

**Question Number : 49 Question Id : 90468413727 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

B, D, F, G and H are sitting in a row facing north. F is sitting to the immediate left of D. There are two persons sitting between D and G. B is sitting adjacent to G and to the immediate left of F. If G is not at any of the extreme ends, who is sitting exactly in the middle?

**Options :**

- 1. ✔ B
- 2. ✘ F
- 3. ✘ G
- 4. ✘ H

**Question Number : 50 Question Id : 90468413728 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Among five objects, M, N, P, Q and R, P is twice as heavy as M and N is thrice as heavy as R. Q is one and half times as heavy as M and twice as heavy as R. Which of the five objects is the heaviest?

**Options :**

- 1. ✘ P

2. ✓ N

3. ✖ R

4. ✖ Q

**Question Number : 51 Question Id : 90468413729 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

In a family of eight persons, A is the father of B, who is the brother of C. D is the daughter of E, who is married to B. F is the aunt of G, who is the brother of D. B's nephew H is the son of C and the brother of J. How is E related to J?

**Options :**

1. ✖ Niece

2. ✖ Sister-in-law

3. ✓ Aunt

4. ✖ Uncle

**Question Number : 52 Question Id : 90468413730 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

**Statements:**

1. All snakes are reptiles.
2. Some reptiles are amphibians.
3. All amphibians are animals.

**Conclusions:**

- I. Some snakes are amphibians.
- II. Some animals are reptiles.

**Options :**

1. ✘ Only conclusion I follows
2. ✔ Only conclusion II follows
3. ✘ Both conclusions I and II follow
4. ✘ Neither conclusion I nor II follows

**Question Number : 53 Question Id : 90468413731 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

**Statements:**

1. Some vegetables are potatoes.
2. All potatoes are roots.
3. Some roots are carrots.

**Conclusions:**

- I. Some roots are vegetables.
- II. Some carrots are potatoes.

**Options :**

1. ✔ Only conclusion I follows
2. ✘ Only conclusion II follows
3. ✘ Both conclusions I and II follow
4. ✘ Neither conclusion I nor II follows

**Question Number : 54 Question Id : 90468413732 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

**Statements:**

1. All herbs are plants.
2. Some shrubs are herbs.
3. Some plants are trees.
4. All trees are living beings.

**Conclusions:**

- I. Some living beings are shrubs.
- II. Some trees are shrubs.
- III. Some living beings are plants.
- IV. Some plants are shrubs.

**Options :**

1. ✖ Only conclusions I and III follow
2. ✖ Only conclusions II and IV follow
3. ✔ Only conclusions III and IV follow
4. ✖ Only conclusions I, III and IV follow

**Question Number : 55 Question Id : 90468413733 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

A question is given, followed by two arguments. Decide which of the arguments is/are strong with respect to the question.

**Question:**

Should teachers of Indian universities be transferred from one state to another from time to time?

**Arguments:**

- I. Yes. This would help in dissemination of knowledge beyond state boundaries.
- II. No. It would be counter-productive as different states have different languages.

**Options :**

1. ✔ Only argument I is strong

2. ✖ Only argument II is strong
3. ✖ Both arguments I and II are strong
4. ✖ Neither argument I nor II is strong

**Question Number : 56 Question Id : 90468413734 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Consider the given statement and decide which of the given assumptions is/are implicit in the statement.

**Statements:**

Farmers are warned not to use chemical fertilisers just for the sake of increasing their crop yield.

**Assumptions:**

- I. Crop yield would decrease as a result of using organic fertilisers.
- II. Chemical fertilisers carry harmful effects.

**Options :**

1. ✖ Only assumption I is implicit
2. ✔ Only assumption II is implicit
3. ✖ Both assumptions I and II are implicit
4. ✖ Neither assumption I nor II is implicit

**Question Number : 57 Question Id : 90468413735 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

A question is given, followed by two statements. Identify which of the statements is/are sufficient to answer the question.

**Question:**

How is Virat related to Mayank's son?

**Statements:**

I. Mayank's wife is the sister of Virat's father's only son.

II. Mayank is the son-in-law of Rohit, whose only daughter Sheela is the sister of Virat.

**Options :**

1. ✖ Statement I alone is sufficient
2. ✖ Statement II alone is sufficient
3. ✔ Either statement I alone or statement II alone is sufficient
4. ✖ Both statements I and II are needed

**Question Number : 58 Question Id : 90468413736 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

A question is given, followed by two statements. Identify which of the statements is/are sufficient to answer the question.

**Question:**

Four girls, A, B, C and D, and four boys, E, F, G and H, are sitting around a circular table facing the centre such that no two boys are adjacent to each other. The distances between two neighbors are equal for all the persons. Who is sitting between C and D?

**Statements:**

I. D is facing B, who is third to the right of E. A is facing C, and F is facing E.

II. C is facing A, who is between E and H. D is second to the left of A, and G is second to the right of H.

**Options :**

1. ✖ Statement I alone is sufficient
2. ✔ Statement II alone is sufficient
3. ✖ Either statement I alone or statement II alone is sufficient
4. ✖ Both statements I and II are needed

**Question Number : 59 Question Id : 90468413737 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**



**Correct Marks : 1 Wrong Marks : 0**

A question is given, followed by two statements. Identify which of the statements is/are sufficient to answer the question.

**Question:**

Among five objects, V, W, X, Y and Z, V weighs as much as X. Which object is the second heaviest among all?

**Statements:**

I. Y is twice as heavy as W. W is 1.5 times as heavy as Z. W and Z together weigh as much as V and X together.

II. Y is twice as heavy as Z. Both Y and W together weigh as much as X and Z together.

**Options :**

1. ✓ Statement I alone is sufficient
2. ✗ Statement II alone is sufficient
3. ✗ Either statement I alone or statement II alone is sufficient
4. ✗ Both statements I and II are needed

**Question Number : 60 Question Id : 90468413738 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

A question is given, followed by two statements. Identify which of the statements is/are sufficient to answer the question.

**Question:**

Who is the tallest among A, B, C, D and E?

**Statements:**

I. E is taller than only C. B is taller than both A and C but shorter than D.

II. A is taller than both E and C. B is shorter than only D.

**Options :**

1. ✗ Statement I alone is sufficient

2. ✖ Statement II alone is sufficient
3. ✔ Either statement I alone or statement II alone is sufficient
4. ✖ Both statements I and II are needed

**Question Number : 61 Question Id : 90468413739 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

A question is given, followed by two statements. Identify which of the statements is/are sufficient to answer the question.

**Question:**

What is the ratio of the cost price of an article to its printed price?

**Statements:**

- I. The shopkeeper earns a profit of 8% on selling the article at a discount of 10% on the printed price.
- II. The shopkeeper loses ₹15 on selling the article for ₹135 after giving a discount of 10% on the printed price.

**Options :**

1. ✖ Statement I alone is sufficient
2. ✖ Statement II alone is sufficient
3. ✔ Either statement I alone or statement II alone is sufficient
4. ✖ Both statements I and II are needed

**Question Number : 62 Question Id : 90468413740 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

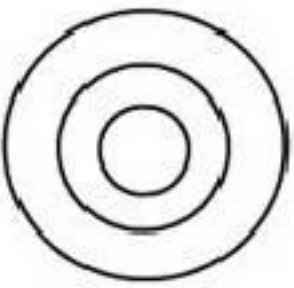
**Correct Marks : 1 Wrong Marks : 0**

Select the Venn diagram that best represents the relationship between the following classes.

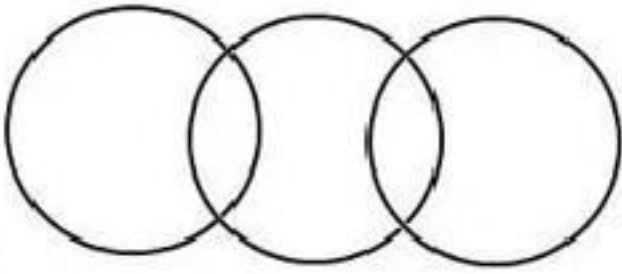
Relatives, Educated, Males

**Options :**

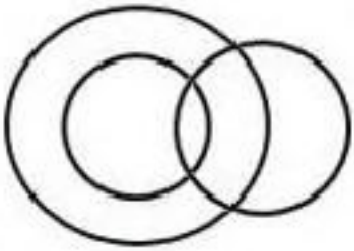
1. ✖



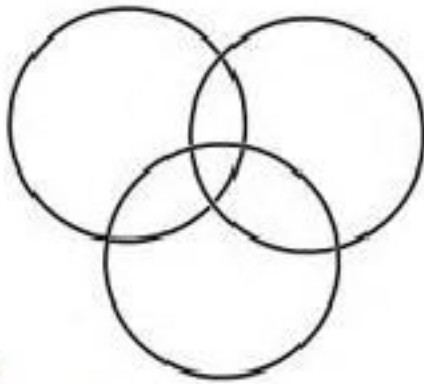
2. ✖



3. ✖



4. ✔



**Sub-Section Number :**

3

**Sub-Section Id :**

9046842537

**Question Shuffling Allowed :**

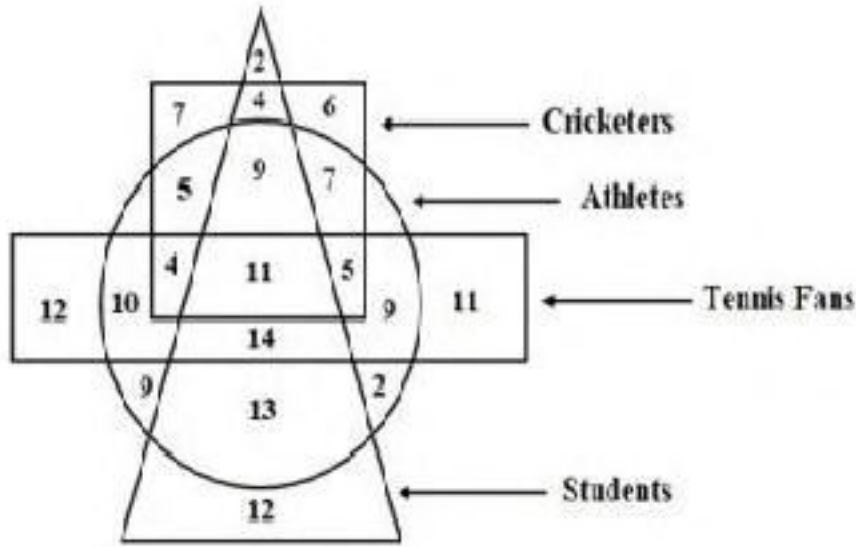
Yes

**Question Id : 90468413741 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No**

**Question Numbers : (63 to 64)**

**Question Label : Comprehension**

The numbers in different sections of the following diagram indicate the number of persons.



### Sub questions

Question Number : 63 Question Id : 90468413742 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

How many student athletes are tennis fans but NOT cricketers?

Options :

1. ✘ 11
2. ✔ 14
3. ✘ 20
4. ✘ 25

Question Number : 64 Question Id : 90468413743 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

How many athletes who are tennis fans are either cricketers or students but NOT both?

Options :

1. ✘ 34
2. ✘ 25
3. ✔ 23
4. ✘ 22

Sub-Section Number :

4

Sub-Section Id :

9046842538

Question Shuffling Allowed :

Yes

Question Number : 65 Question Id : 90468413744 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

'A # B' means 'A is not smaller than B.'

'A @ B' means 'A is neither smaller than nor equal to B.'

'A % B' means 'A is neither greater than nor equal to B.'

'A \$ B' means 'A is neither smaller than nor greater than B.'

'A & B' means 'A is not greater than B.'

Read the following statements and conclusions and decide which of the conclusions is/are true.

Statements:

M @ N; S & W; N # S; W \$ Z

Conclusions:

I. N @ Z

II. S % M

III. Z @ S

Options :

1. ✖ Only conclusion I is true
2. ✔ Only conclusion II is true
3. ✖ Only conclusions II and III are true
4. ✖ None of the conclusion I, II and III are true

Question Number : 66 Question Id : 90468413745 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

'A # B' means 'A is not smaller than B.'

'A @ B' means 'A is neither smaller than nor equal to B.'

'A % B' means 'A is neither greater than nor equal to B.'

'A \$ B' means 'A is neither smaller than nor greater than B.'

'A & B' means 'A is not greater than B.'

Read the following statements and conclusions carefully and decide which of the conclusions is/are true.

Statements:

$P \% R;$   $Q \$ S;$   $R \# Q;$   $S \& T$

Conclusions:

I.  $S \& R$

II.  $P @ S$

III.  $T \# Q$

**Options :**

- ✘ Only conclusion I is true
- ✘ Only conclusions I and II are true
- ✔ Only conclusions I and III are true
- ✘ Only conclusions II and III are true

**Question Number : 67 Question Id : 90468413746 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Which of the following equations would be correct if the signs '+' and '×' are interchanged and so also the numbers '6' and '12'?

**Options :**

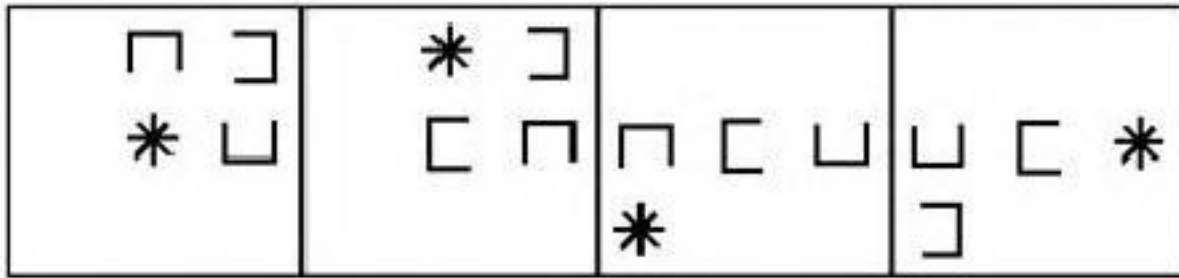
- ✘  $12 + 2 \div 6 \times 8 - 6 = 6 \div 2$
- ✘  $8 - 6 \div 12 \times 4 + 12 = 10 + 2$
- ✘  $12 \times 4 + 2 - 10 \div 5 = 6 - 2$
- ✔  $8 + 3 \div 12 - 9 \times 6 = 10 - 3$

**Question Number : 68 Question Id : 90468413747 Question Type : MCQ Option Shuffling : Yes**

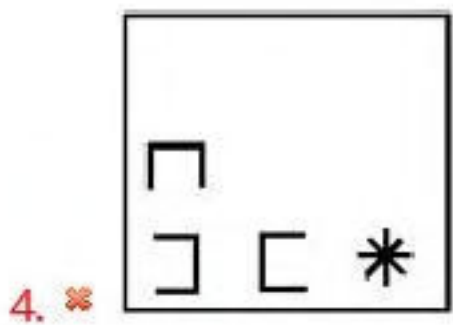
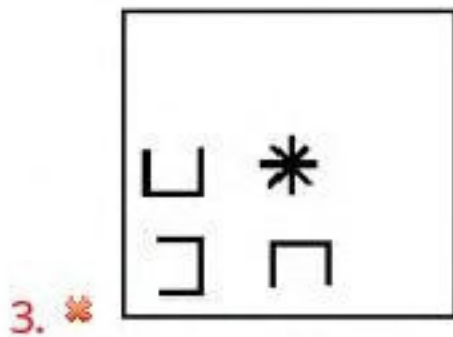
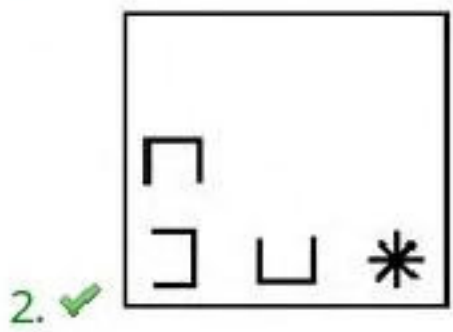
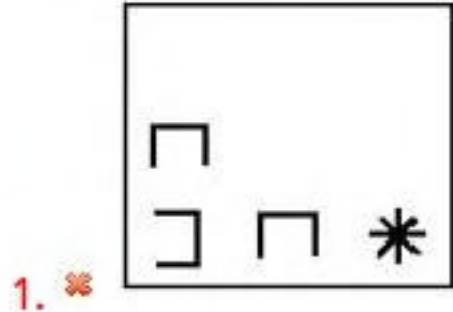
**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Which option will come next in the following figure series?



Options :

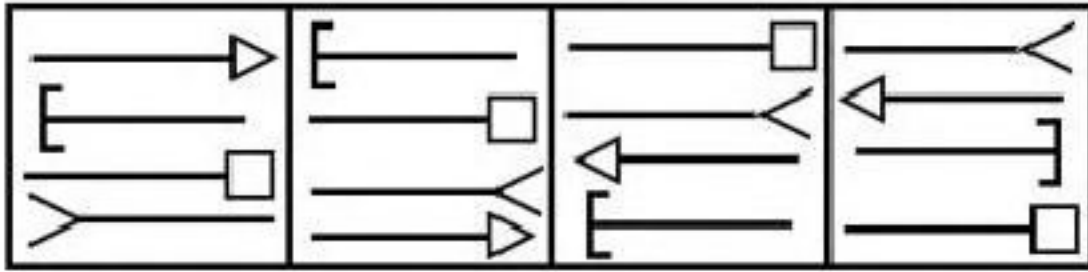


Question Number : 69 Question Id : 90468413748 Question Type : MCQ Option Shuffling : Yes

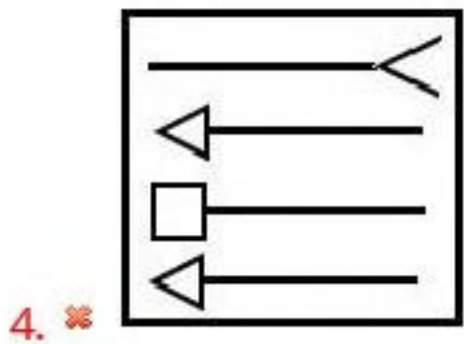
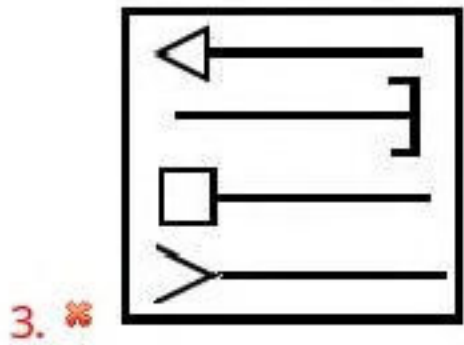
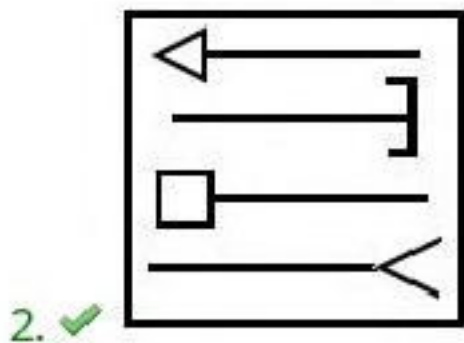
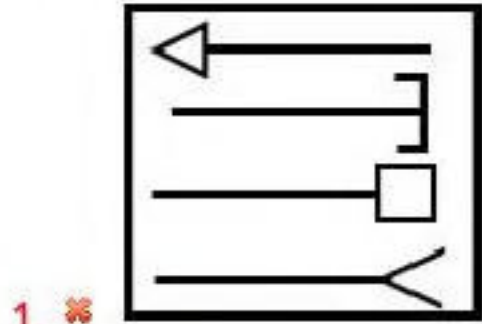
Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Select the figure that will come next in the following series.



Options :



Question Number : 70 Question Id : 90468413749 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

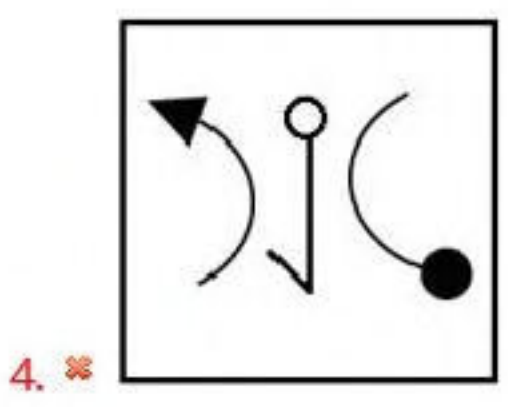
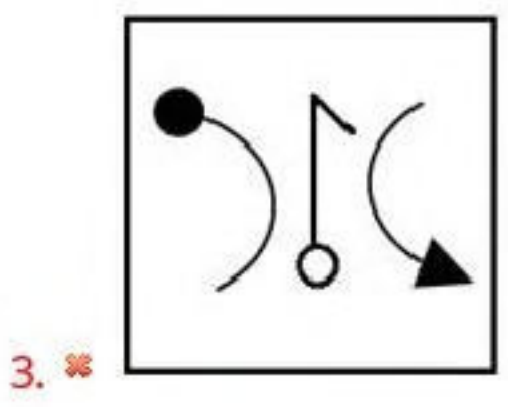
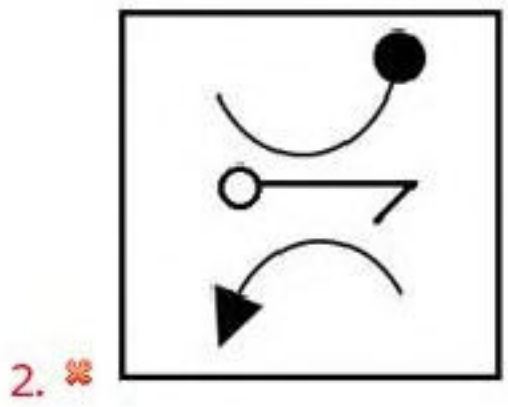
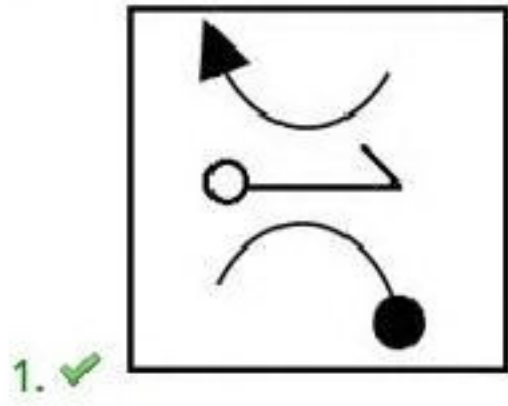
Correct Marks : 1 Wrong Marks : 0

Four figures have been given, out of which three are alike in some manner and one is different.

Select the figure that is different.

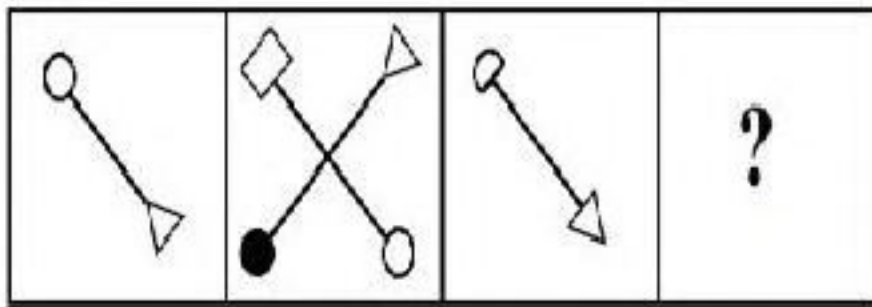


Options :

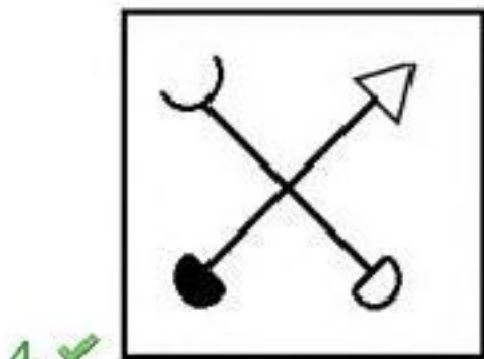
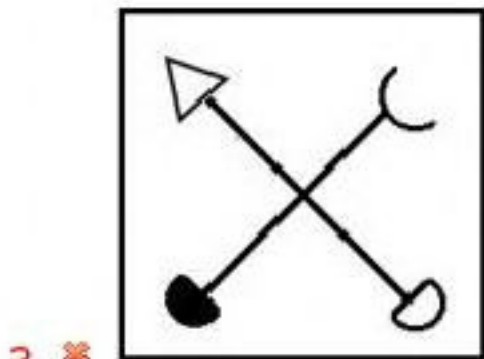
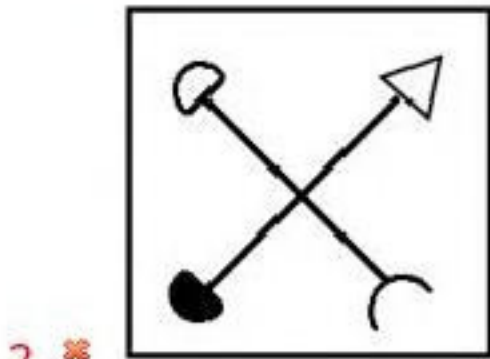
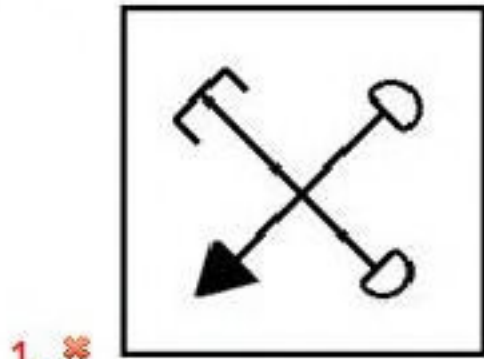


Question Number : 71 Question Id : 90468413750 Question Type : MCQ Option Shuffling : Yes  
 Is Question Mandatory : No  
 Correct Marks : 1 Wrong Marks : 0

Select the option that is related to the third figure in the same way as the second figure is related to the first figure.



Options :



Sub-Section Number :

5

Sub-Section Id :

9046842539

Question Shuffling Allowed :

Yes

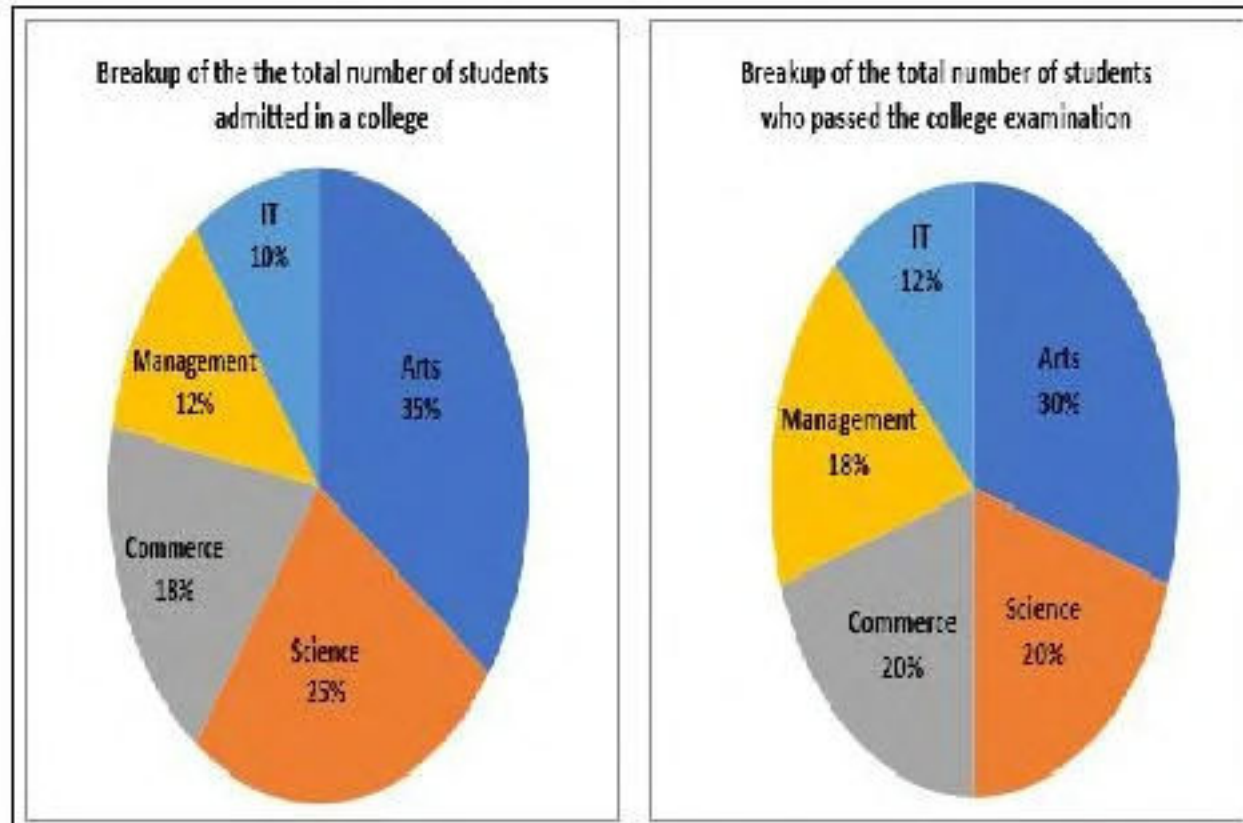
Question Id : 90468413751 Question Type : COMPREHENSION Sub Question Shuffling Allowed

: Yes Group Comprehension Questions : No

Question Numbers : (72 to 75)

Question Label : Comprehension

The following pie charts show the percentage-wise breakup of the total number of students admitted in five different streams in a college and that of the students who passed the college examination across the streams. Study the pie charts and answer the questions that follow.



Sub questions

Question Number : 72 Question Id : 90468413752 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

If 5000 students were admitted in the college and 60% of them passed the college examination, how many students in the Commerce stream failed?

Options :

1. ✘ 250
2. ✔ 300
3. ✘ 360
4. ✘ 420

Question Number : 73 Question Id : 90468413753 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

If the ratio of the number of students admitted to the total number of students who passed the examination is 5 : 3, the ratio of the number of students admitted in the Science stream to the number of students passing the examination in the Science stream is:

**Options :**

1. ✓ 25 : 12
2. ✗ 9 : 7
3. ✗ 10 : 3
4. ✗ 22 : 15

**Question Number : 74 Question Id : 90468413754 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

If 360 students were admitted in the Management stream and 180 of them passed, what was the ratio of the total number of students admitted in all the streams to the total number of students who passed the examination in all the streams?

**Options :**

1. ✗ 5 : 3
2. ✓ 3 : 1
3. ✗ 3 : 2
4. ✗ 4 : 3

**Question Number : 75 Question Id : 90468413755 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

If the number of students passing the examination in the Arts stream was 270 more than those passing in the IT stream and 50% of the students admitted in the Science stream passed the examination, how many students were admitted in the college in all the streams?

**Options :**

1. ✗ 3000
2. ✗ 3200
3. ✗ 2600

4. ✓ 2400

**Sub-Section Number :** 6  
**Sub-Section Id :** 9046842540  
**Question Shuffling Allowed :** Yes

**Question Id : 90468413756 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No**

**Question Numbers : (76 to 79)**

**Question Label : Comprehension**

The following table shows the number of cars (in thousands) manufactured (M), the number of cars rejected (R) and the number of cars sold (S) by four companies A, B, C and D, over a four-year period. Study the table and answer the questions that follow.

Company	A			B			C			D		
	M	R	S	M	R	S	M	R	S	M	R	S
2017	22	1.2	18	27	1.4	22	26	1.1	25	32	1.5	27
2018	24	1.1	21	29	1.5	24	30	1.2	28	38	1.2	33
2019	26	1.4	24	30	1.3	28	33	1.2	29	40	1.3	38
2020	28	1.5	25	32	1.2	30	35	1.4	33	44	1.1	41

**Sub questions**

**Question Number : 76 Question Id : 90468413757 Question Type : MCQ Option Shuffling : Yes Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Approximately, what per cent of the accepted cars were sold by Company C in the year 2020?

**Options :**

- 1. ✘ 99.2%
- 2. ✘ 95.6%
- 3. ✓ 98.2%
- 4. ✘ 96.6%

**Question Number : 77 Question Id : 90468413758 Question Type : MCQ Option**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The number of cars accepted by Companies A and D in 2017 and 2019 is approximately how many times of the number of cars rejected by these two companies in the same two years?

**Options :**

1. ✘ 18.8
2. ✔ 21.2
3. ✘ 22.3
4. ✘ 24.5

**Question Number : 78 Question Id : 90468413759 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The average number of accepted cars per year remaining unsold by Company B during the four-year period is:

**Options :**

1. ✔ 8600
2. ✘ 7800
3. ✘ 9200
4. ✘ 8800

**Question Number : 79 Question Id : 90468413760 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The number of accepted cars remaining unsold in 2018 was the highest for which of the following companies?

**Options :**

1. ✘ A
2. ✘ B
3. ✘ C
4. ✔ D

Sub-Section Number :

7

Sub-Section Id :

9046842541

Question Shuffling Allowed :

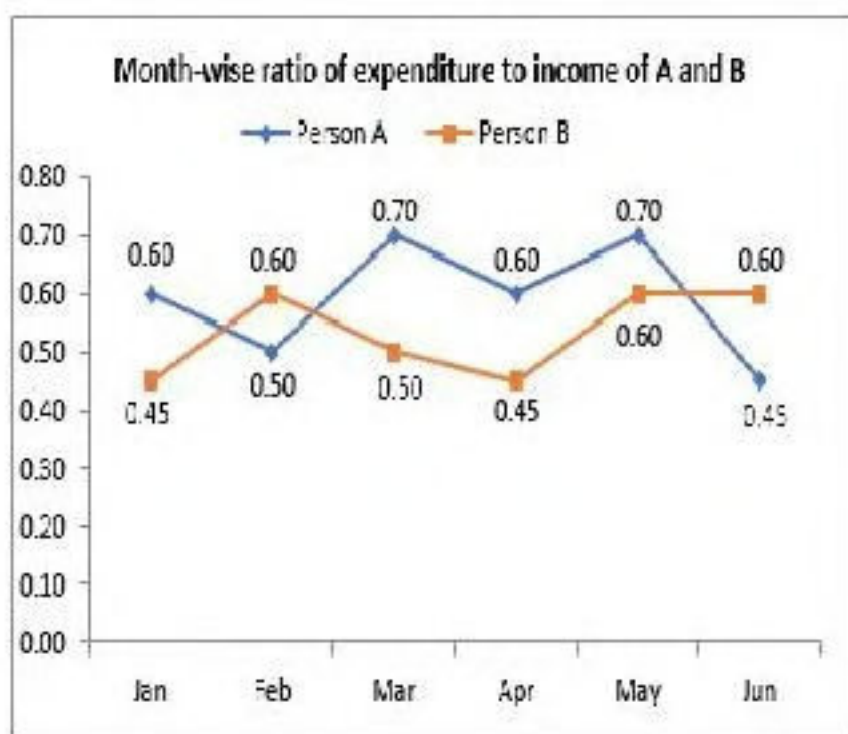
Yes

Question Id : 90468413761 Question Type : COMPREHENSION Sub Question Shuffling Allowed : Yes Group Comprehension Questions : No

Question Numbers : (80 to 81)

Question Label : Comprehension

The following line graph shows the month-wise ratio of expenditure to income of two persons A and B over a six-month period. Study the graph and answer the questions that follow.



Sub questions

Question Number : 80 Question Id : 90468413762 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

If A and B had the same monthly income during the entire period, then whose average monthly expenditure was more than the other?

Options :

1. ✓ A had more monthly expenditure
2. ✗ B had more monthly expenditure
3. ✗ Both A and B had equal monthly expenditure
4. ✗ Data inadequate

Question Number : 81 Question Id : 90468413763 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

If the income of A was ₹30,000 and that of B was ₹15,000 every month, in which of the following months was the difference between the expenditures of A and B the highest?

Options :

1. ✖ January
2. ✖ February
3. ✔ March
4. ✖ April

## Quantitative and Numerical Ability

Group Number :	4
Group Id :	9046841559
Group Maximum Duration :	0
Group Minimum Duration :	0
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	40
Is this Group for Examiner? :	No

## Quantitative and Numerical Ability

Section Id :	9046841652
Section Number :	1
Section type :	Online
Mandatory or Optional :	Mandatory
Number of Questions :	40



Number of Questions to be attempted :	40
Section Marks :	40
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Sub-Section Number :	1
Sub-Section Id :	9046842542
Question Shuffling Allowed :	Yes

Question Number : 82 Question Id : 90468413764 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

If  $U = \{1, 2, 3, 4, 5, 6, 7, 8\}$  is the universal set,  $A = \{2, 3, 6, 7\}$ ,  $B = \{3, 4, 5, 6\}$  and  $C = \{5, 6, 7, 8\}$ , then  $n[\bar{A} \cap (C - B)] + n[\bar{A} \cap (B \cup C)] = k$ , where  $\bar{A}$  is the complement of set A. The value of  $k$  is:

Options :

1. ✖ 2

2. ✖ 3

3. ✔ 4

4. ✖ 7

Question Number : 83 Question Id : 90468413765 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Let  $U$  be the universal set,  $A$  and  $B$  be the subsets of  $U$ . If  $n(U) = 450$ ,  $n(A) = 200$ ,  $n(B) = 205$  and

$n(A \cap B) = 15$ , then  $n(\bar{A} \cap \bar{B})$  is equal to:

( $\bar{A}$  and  $\bar{B}$  are the complements of  $A$  and  $B$ , respectively)

Options :

1. ✖ 55

2. ✔ 60

3. ✖ 65

4. ✖ 70

Question Number : 84 Question Id : 90468413766 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

For the nonempty sets A and B, which of the following is NOT true?

( $\bar{A}$  is complement of A)

Options :

1. ✘  $A \cap (\bar{A} \cup B) = A \cap B$

2. ✘  $A \cup (\bar{A} \cap B) = A \cup B$

3. ✔  $A - (A - B) = B$

4. ✘  $A \cup (B - A) = A \cup B$

Question Number : 85 Question Id : 90468413767 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The range of the function  $f$  defined by  $f(x) = \sqrt{16 - x^2}$  is:

Options :

1. ✔  $[0, 4]$

2. ✘  $[-4, 0]$

3. ✘  $[-4, 4]$

4. ✘  $(-4, 4)$

Question Number : 86 Question Id : 90468413768 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

If  $f(x) = \frac{x-1}{x+1}$ , then which of the following will be true?

Options :

1. ✘  $f\left(\frac{1}{x}\right) = f(x)$

2. ✔  $f\left(-\frac{1}{x}\right) = \frac{-1}{f(x)}$

3. ✘  $f\left(\frac{1}{x}\right) = \frac{-1}{f(x)}$

4. ✘  $f\left(-\frac{1}{x}\right) = \frac{1}{f(x)}$

Question Number : 87 Question Id : 90468413769 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

Let  $A = \mathbb{R} - \{3\}$  and  $B = \mathbb{R} - \{1\}$ . Let  $f: A \rightarrow B$  defined by  $f(x) = \frac{x-2}{x-3}$ . What is the value of  $f^{-1}\left(\frac{1}{2}\right)$ ?

Options :

1. ✘  $\frac{3}{5}$

2. ✘  $\frac{1}{2}$

3. ✘  $\frac{2}{3}$

4. ✔ 1

Question Number : 88 Question Id : 90468413770 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

**Correct Marks : 1 Wrong Marks : 0**

In an office, there are 215 employees who drink either tea or coffee. 94 out of them drink tea and 63 drink tea but not coffee. How many employees drink coffee but not tea?

**Options :**

1. ✖ 152

2. ✖ 138

3. ✔ 121

4. ✖ 123

**Question Number : 89 Question Id : 90468413771 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The value of  $\left(\frac{2}{3} \div \frac{8}{15} + 7\frac{1}{2} \times \frac{3}{5}\right) \div \left(5\frac{5}{6} \div 3\frac{1}{2} \times 2\frac{1}{10}\right)$  of  $2\frac{7}{8}$  is:

**Options :**

1. ✖  $3\frac{1}{2}$

2. ✔  $\frac{4}{7}$

3. ✖  $\frac{7}{4}$

4. ✖  $3\frac{1}{4}$

**Question Number : 90 Question Id : 90468413772 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

What should be added to the following expression so that the sum is 1?

$$\frac{9}{4} \times \frac{7}{18} \text{ of } \frac{72}{49} - \frac{7}{5} \text{ of } \frac{5}{28} \times 2\frac{2}{5}$$

$$\frac{3}{4} \div 2 \text{ of } \frac{2}{31} - \frac{5}{7} \div 2\frac{2}{3} \times 7\frac{3}{10}$$

Options :

1. ✘  $\frac{23}{48}$

2. ✘  $\frac{8}{45}$

3. ✔  $\frac{37}{45}$

4. ✘  $\frac{25}{48}$

Question Number : 91 Question Id : 90468413773 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The income of A is  $\frac{2}{3}$  of B's income and the expenditure of A is  $\frac{3}{4}$  of B's expenditure. If one-third income of B is equal to the expenditure of A, then the ratio of savings of A and B will be:

Options :

1. ✔ 3 : 5

2. ✘ 5 : 4

3. ✘ 3 : 2

4. ✘ 6 : 5

Question Number : 92 Question Id : 90468413774 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The value of  $\frac{(9 \times 0.81 - 4 \times 0.64)}{(3 \times 0.9 + 2 \times 0.8) \times (9 \times 0.81 + 4 \times 0.64 - 12 \times 0.72)}$  lies between:

**Options :**

1. ✖ 0.6 and 0.7
2. ✖ 0.7 and 0.8
3. ✖ 0.8 and 0.9
4. ✔ 0.9 and 1

**Question Number : 93 Question Id : 90468413775 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

What is the value of  $\frac{(1.5)^4 + (1.2)^4 + 3.24}{(1.5)^2 + (1.2)^2 - 1.8}$  ?

**Options :**

1. ✖ 4.34
2. ✔ 5.49
3. ✖ 7.94
4. ✖ 9.09

**Question Number : 94 Question Id : 90468413776 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The value of  $\sqrt{1 + \frac{\sqrt{3}}{2}} - \sqrt{1 - \frac{\sqrt{3}}{2}}$ , is:

**Options :**

1. ✖  $\sqrt{3}$
2. ✖  $2\sqrt{3}$
3. ✔ 1
4. ✖ 2

**Question Number : 95 Question Id : 90468413777 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The sum of the first 20 terms of the series:  $2^2 + 5^2 + 8^2 + \dots$ , is:

**Options :**

1. ✘ 25830

2. ✘ 24450

3. ✘ 24570

4. ✔ 24590

**Question Number : 96 Question Id : 90468413778 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

A vessel contained a solution of acid and water in which water was 64%. Four litres of the solution were taken out of the vessel and the same quantity of water was added. If the resulting solution contained 30% acid, then the quantity (in litres) of the solution, in the beginning in the vessel, was:

**Options :**

1. ✘ 32

2. ✘ 30

3. ✔ 24

4. ✘ 20

**Question Number : 97 Question Id : 90468413779 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

A trader sells an article at a profit of 10%. If he had bought it for 25% less and sold for ₹20 more over the actual selling price, he would have gained 60%. What is the original cost price (in ₹) of the article?

**Options :**

1. ✖ 175

2. ✖ 180

3. ✔ 200

4. ✖ 240

**Question Number : 98 Question Id : 90468413780 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

A shopkeeper marks an article at such a price that after giving a discount of  $12\frac{1}{2}\%$  on the marked price, he still earns a profit of 15%. If the cost price of the article is ₹385, then the marked price (in ₹) of the article will be:

**Options :**

1. ✖ 484

2. ✔ 506

3. ✖ 510

4. ✖ 520

**Question Number : 99 Question Id : 90468413781 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The ratio of the incomes of A and B in 2019 was 5 : 4. The ratio of their individual incomes in 2019 and 2020 were 4 : 5 and 2 : 3, respectively. If the total income of A and B in 2020 was ₹7,05,600, then what was the income (in ₹) of B in 2020?

**Options :**

1. ✖ 3,56,000

2. ✖ 3,60,000

3. ✖ 3,46,500

4. ✔ 3,45,600

**Question Number : 100 Question Id : 90468413782 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**



**Correct Marks : 1 Wrong Marks : 0**

A loan of ₹1,02,000 is to be paid back in two equal annual instalments. If the rate of interest is 4% p.a., compounded annually, then the total interest charged (in ₹) under this instalment plan is:

**Options :**

1. ✘ 6,000
2. ✘ 6,080
3. ✔ 6,160
4. ✘ 6,200

**Question Number : 101 Question Id : 90468413783 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

A train travelling at a speed of 72 km/h crosses another train, having double its length and travelling in the opposite direction at a speed of 54 km/h, in 12 s. It also passes a tunnel in 40 s. What is the length (in m) of the tunnel?

**Options :**

1. ✘ 580
2. ✘ 640
3. ✔ 660
4. ✘ 680

**Question Number : 102 Question Id : 90468413784 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

A cylindrical container of 36 cm height and 48 cm diameter is filled with sand. Now, its sand is used to form a conical heap of radius 30 cm. The height (in cm) of the conical heap is:

**Options :**

1. ✘ 67.96
2. ✘ 68.84
3. ✔ 69.12
4. ✘ 70.22

Question Number : 103 Question Id : 90468413785 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The ratio of the sums of the first 12 terms and the first 18 terms of an arithmetic progression is 4 :

9. What is the ratio of the 10<sup>th</sup> and the 15<sup>th</sup> terms?

Options :

- 1. ✖ 3 : 5
- 2. ✖ 23 : 35
- 3. ✖ 8 : 27
- 4. ✔ 19 : 29

Question Number : 104 Question Id : 90468413786 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

The sum of the first six terms of an arithmetic progression is 54 and the ratio of the 10<sup>th</sup> term to its 30<sup>th</sup> term is 11 : 31. What is the 60<sup>th</sup> term of the progression?

Options :

- 1. ✖ 116
- 2. ✖ 120
- 3. ✔ 122
- 4. ✖ 126

Question Number : 105 Question Id : 90468413787 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

If  $3x^2 - 5x + 1 = 0$ , then the value of  $x^2 + \frac{1}{9x^2}$  will be:

Options :

- 1. ✔  $\frac{19}{9}$

2. ✖ 2

3. ✖  $\frac{17}{3}$

4. ✖  $\frac{31}{9}$

**Question Number : 106 Question Id : 90468413788 Question Type : MCQ Option Shuffling : Yes**  
**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The sum of an infinite geometric progression is 18 and the sum of the squares of the terms of the progression is 81. The first term and the common ratio of the geometric progression are, respectively:

**Options :**

1. ✔ 7.2 and 0.6

2. ✖ 7.2 and 0.8

3. ✖ 3.6 and 0.6

4. ✖ 3.6 and 0.4

**Question Number : 107 Question Id : 90468413789 Question Type : MCQ Option Shuffling : Yes**  
**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The cost of 2 oranges and 3 apples is ₹28. If the cost of an apple is doubled, then the cost of 3 oranges and 5 apples will be ₹75. The original cost of 7 oranges and 4 apples is:

**Options :**

1. ✖ ₹54

2. ✖ ₹55

3. ✔ ₹59

4. ✖ ₹62

Question Number : 108 Question Id : 90468413790 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

If  $\alpha$  and  $\beta$  are the roots of the equation  $2x^2 + 5x + k = 0$ , and  $4(\alpha^2 + \beta^2 + \alpha\beta) = 23$ , then which of the following is true?

Options :

1. ✓  $k^2 - 3k + 2 = 0$

2. ✗  $k^2 + 3k - 2 = 0$

3. ✗  $k^2 - 2k + 3 = 0$

4. ✗  $k^2 - 2k - 3 = 0$

Question Number : 109 Question Id : 90468413791 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

If  $-4$  is a root of the equation  $x^2 + ax - 4 = 0$  and the equation  $x^2 + ax + b = 0$  has equal roots, then what will be the value of  $\sqrt{a^2 + b^2}$ ?

Options :

1. ✗  $\frac{5}{2}$

2. ✗  $\frac{5}{4}$

3. ✓  $\frac{15}{4}$

4. ✗  $\frac{15}{2}$

**Question Number : 110 Question Id : 90468413792 Question Type : MCQ Option Shuffling : Yes**  
**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

There are  $n$  numbers. When 50 is subtracted from each of these numbers, the sum of the numbers so obtained is -10. When 46 is subtracted from each of the original  $n$  numbers, then the sum of the numbers so obtained is 70. What is the mean of the original  $n$  numbers?

**Options :**

1. ✖ 45.4
2. ✖ 45
3. ✖ 49
4. ✔ 49.5

**Question Number : 111 Question Id : 90468413793 Question Type : MCQ Option Shuffling : Yes**  
**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

The mean deviation (correct to one decimal place) of the numbers 3, 10, 6, 11, 14, 17, 9, 8, 12 about the mean is:

**Options :**

1. ✖ 2.8
2. ✔ 3.1
3. ✖ 3.6
4. ✖ 4.2

**Question Number : 112 Question Id : 90468413794 Question Type : MCQ Option Shuffling : Yes**  
**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

If the mean of the following distribution is 22, then what will be the value of  $x$ ?

Class	0 – 10	10 – 20	20 – 30	30 – 40	40 – 50
Frequency	12	16	6	$x$	9

**Options :**

- 1. ✖ 4
- 2. ✖ 5
- 3. ✔ 7
- 4. ✖ 8

**Question Number : 113 Question Id : 90468413795 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Let  $x$  be the median of the data: 13, 17, 52, 56, 65, 35, 77, 39, 15, 37. If 35 is replaced by 53 in the data, then the median of the new data will be  $y$ . What is the difference between  $x$  and  $y$ ?

**Options :**

- 1. ✖ 6.5
- 2. ✔ 7.5
- 3. ✖ 8
- 4. ✖ 9

**Question Number : 114 Question Id : 90468413796 Question Type : MCQ Option Shuffling : Yes  
Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

A biased coin is such that the probability of getting a head is thrice the probability of getting a tail. If the coin is tossed 4 times, what will be the probability of getting a head all the times?

**Options :**

- 1. ✖  $\frac{16}{81}$
- 2. ✖  $\frac{27}{64}$
- 3. ✖  $\frac{81}{128}$

4. ✓  $\frac{81}{256}$

Question Number : 115 Question Id : 90468413797 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

If the standard deviation of  $x_1, x_2, x_3, \dots, x_n$  is  $k$ , then what will be the standard deviation of  $\frac{10x_1-7}{2}, \frac{10x_2-7}{2}, \dots, \frac{10x_n-7}{2}$ ?

Options :

1. ✗  $k$

2. ✗  $10k - \frac{7}{2}$

3. ✓  $5k$

4. ✗  $5k - \frac{7}{2}$

Question Number : 116 Question Id : 90468413798 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

What is the variance of the following data?

9, 10, 13, 14, 6, 11, 8, 7, 4, 18

Options :

1. ✗ 12

2. ✗ 13.6

3. ✖ 14

4. ✔ 15.6

**Question Number : 117 Question Id : 90468413799 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

Two persons, on either side of a tower 45 m high, observe the angles of elevation of the top of the tower to be  $30^\circ$  and  $60^\circ$ , respectively. The distance (in m) between the two persons is:

**Options :**

1. ✖  $45\sqrt{3}$

2. ✔  $60\sqrt{3}$

3. ✖  $60(\sqrt{3} + 1)$

4. ✖  $45(\sqrt{3} + 1)$

**Question Number : 118 Question Id : 90468413800 Question Type : MCQ Option Shuffling : Yes**

**Is Question Mandatory : No**

**Correct Marks : 1 Wrong Marks : 0**

$\frac{(2 \sin^2 \theta - 1)(1 + \tan^2 \theta)(\sec \theta + \tan \theta)(1 - \sin \theta)}{(\sec^2 \theta - 1)(\tan \theta - \cot \theta) \cos^2 \theta}$ ,  $0^\circ < \theta < 90^\circ$ , is equal to:

**Options :**

1. ✔ cosec  $\theta$

2. ✖ sin  $\theta$

3. ✖ sec  $\theta$

4. ✖ cot  $\theta$



Question Number : 119 Question Id : 90468413801 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

$\frac{\tan^2\theta + \cot^2\theta + 2}{\sec\theta \operatorname{cosec}\theta}$ ,  $0^\circ < \theta < 90^\circ$ , is equal to:

Options :

1. ✘  $\sin\theta \cos\theta$
2. ✔  $\sec\theta \operatorname{cosec}\theta$
3. ✘  $\operatorname{cosec}\theta$
4. ✘  $\sec\theta$

Question Number : 120 Question Id : 90468413802 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

If  $\sec(5^\circ - 2\theta) = \operatorname{cosec}(5\theta - 5^\circ)$ ,  $0^\circ < \theta < 90^\circ$ , then what will be the value of  $\frac{\sin 3\theta + \tan 2\theta}{\sec 2\theta}$ ?

Options :

1. ✘  $\frac{3\sqrt{3}}{4}$
2. ✘  $\frac{3\sqrt{3}}{2}$
3. ✘  $\frac{2 + \sqrt{3}}{2}$

4. ✓  $\frac{1 + \sqrt{3}}{2}$

Question Number : 121 Question Id : 90468413803 Question Type : MCQ Option Shuffling : Yes

Is Question Mandatory : No

Correct Marks : 1 Wrong Marks : 0

In  $\Delta ABC$ ,  $\angle B = 90^\circ$ ,  $BC = 6$  cm and  $AC = 10$  cm. What is the value of  $(\sin 2A - \cos 2A)$ ?

Options :

1. ✓  $\frac{17}{25}$

2. ✗  $\frac{9}{25}$

3. ✗  $\frac{2}{5}$

4. ✗  $\frac{1}{5}$

## Display Notepad Post Exam

Group Number :	5
Group Id :	9046841560
Group Maximum Duration :	3
Group Minimum Duration :	3
Show Attended Group? :	No
Edit Attended Group? :	No
Break time :	0
Group Marks :	1

Is this Group for Examiner? :

No

## Display Notepad Post Exam

Section Id :	9046841653
Section Number :	1
Section type :	Offline
Mandatory or Optional :	Mandatory
Number of Questions :	1
Number of Questions to be attempted :	1
Section Marks :	1
Enable Mark as Answered Mark for Review and Clear Response :	Yes
Sub-Section Number :	1
Sub-Section Id :	9046842543
Question Shuffling Allowed :	No

**Question Number : 122 Question Id : 90468413804 Question Type : SUBJECTIVE**

**Correct Marks : 1**

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