



## Flexi Mock CAT - 07 (2020)

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VARC

LRDI

QA

## Sec 1

**Direction for questions (1-5):** Read the given passage and answer the questions that follow.

While walking in the shadow of their people's sacred volcano, Maasai villagers in 2006 stumbled across a set of curious footprints. Clearly made by human feet, but set in stone, they appeared to be the enigmatic traces of some long-forgotten journey.

Now scientists have teased out some of story behind those ancient prints and the people who, with some help from the volcano, left them behind. It begins while they were walking through the same area as the Maasai—separated by a span of perhaps 10,000 years. Briana Pobiner and her colleagues, in a study recently published in *Scientific Reports*, suggest that a large collection of the tracks, moving in the same direction at the same pace, were made by a female group that was foraging around what was then on or near a lakeshore. This practice of sexually divided gathering behavior is still seen among living hunter-gather peoples, but no bone or tool would ever be able to reveal whether it was practiced by their predecessors so long ago.

Footprints, however, allow us to quite literally retrace their steps.

In the present case, deposits from the volcano were washed down into a mudflat. After the human group walked across and over the area, creating so many prints that scientists have nicknamed one heavily-trod area "the dance floor," the ashy mud hardened in a matter of days or even hours. Then it was buried by a subsequent sediment flow which preserved it until the actions of erosion brought dozens of prints to light—and the excavations of the team unearthed hundreds more.

Fossil footprints capture behavior in a way that bones and stones cannot. The process of preservation happens over a short period of time. So, while bones around a hearth don't necessarily mean that their owners circled the fire at exactly the same time, fossilized footprints can reveal those kinds of immediate interactions.

"It's a snapshot of life at a moment in time, the interaction of individuals, the interaction of humans with animals that's preserved in no other way. So it's a real boon to behavioral ecology," says Matthew Bennett an expert on ancient footprints at Bournemouth University. Bennett, who wasn't involved in the study, has visited the Engare Sero site.

Fossil footprints are analyzed by size and shape, by the orientation of the foot as it created the print, and by the distances between the prints which, combined with other aspects, can be used to estimate how fast the individual walked or ran. One of the ancient travelers who left a trackway heading in a different direction than the larger group appears to have been passing through the area in a hurry, running at better than six miles per hour. The main group, heading to the southwest, moved at a more leisurely pace.

Fossilized footprints were once thought to be extremely rare, "freaks of geological preservation," Bennett notes. An explosion of fossil footprint discoveries over the past decade suggests they aren't so rare after all. Future finds like this would add to a paleoanthropological line of investigation that is delivering different kinds of results than traditional digs of tools or fossils.

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### Q.1 [11594329]

Which of the following, if true, would most weaken the scientists' claim that the female group was foraging when they left the footprints?

- 1 ☐ Another set of footprints belonging to a deer and a wild goat has been found near the current footprints.
-

2 ☐ Presence of stains of a buffalo's blood where the footprints begin indicates that the hunter-gatherers had already arranged for some of their food when they began walking.

3 ☐ Scientists have found the gendered grouping, leisurely pace, and the presence of a lake in many instances of bathing by hunter-gatherers.

4 ☐ The group did not have only females; it also had two adult males and a juvenile male.



 Answer key/Solution

Bookmark

FeedBack

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## Q.2 [11594329]

It can be inferred that the term "dance floor", as used in the passage, refers to:

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- 1 ☐ Sediment layer formed near the lakeshore and walked upon by hunter-gatherers.
- 
- 2 ☐ The mudflat where the Maasai villagers walked and discovered footprints under discussion.
-

3 ☐ The area formed thousands of years ago by the hardened deposit of the volcano.

4 ☐ A portion of the area where the footprints under discussion have been found.



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### Q.3 [11594329]

Which of the following facts would support the idea that fossilised human footprints are not "freaks of geological preservation" when compared with bones?

- 1 ☐ As human beings, while interacting with each other, can leave several footprints together in a short span, footprints reveal immediate interactions that bones can't.

2 ☐ As a human being makes millions of footprints in a lifetime, but has only 206 bones, the chances of a footprint getting fossilised are more than that of a bone.

3 ☐ Footprints can give information about anatomy and group dynamics that bones can't.

4 ☐ As the footprints of many primates can be confused with those of humans, it is not unusual to discover them in large numbers when compared with bones.



 Answer key/Solution

Bookmark

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#### Q.4 [11594329]

Why does Matthew Bennett refer to fossilised footprints as "a real boon to behavioural ecology"?

1 ☐ Because while other evidences only reveal physical traits of humans, footprints reveal important information about their behaviour.

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2 ☐ Because they preserve immediate group interactions among humans that are not preserved in any other way.

3 ☐ Because they reveal information about human behaviour that bones and stones can't.

4 ☐ Because they are unique in preserving a moment of the interactions of humans and of humans and animals.



 Answer key/Solution

Bookmark

FeedBack

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#### **Q.5 [11594329]**

"The main group, heading to the southwest, moved at a more leisurely pace." According to the passage, which of the following may not have helped the scientists in determining the pace of the group?

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1 ☐ The size and shape of the foot joint

2 ☐ Orientation of the foot while forming the print

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3 ☐ The magnitude of the footprint


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4 ☐ Distances between the footprints

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 Answer key/Solution

Bookmark

FeedBack

**Direction for questions (6-10):** Read the given passage and answer the questions that follow.

One day you wake early, walk into town, and a large advertising billboard attracts your attention. The image on the poster is mysterious but appears to depict a ceremony in a forest. *You didn't choose to come into this world*, says the text across the middle, *but you can choose how you leave*. To the bottom right of the poster is a company name, *Designer Endings*, and contact details. You call the number and confirm that what is being offered is indeed the chance to die in just the way you would like.

The description is fiction – there aren't currently any designer euthanasia organisations or companies – but it's worth wondering why it isn't yet fact. Many people no longer hold the kind of religious views according to which our time of death is not allowed to be of our choosing. There are an increasing number of countries where physician-assisted suicide and euthanasia is permitted in a medical context. But why think that the right to choose our ending is given legitimacy only, if at all, on health grounds? Why don't we have the right to end our lives not just when we want to but to also do so in style?

The word 'euthanasia' comes from the Greek for a 'good death'. However, this idea of a positively good death can easily be lost in contemporary debates over euthanasia where the emphasis is typically on the rights of a person in very dire health. I will touch on the familiar questions of medical ethics in what follows. But my larger goal is to liberate discussion of the right to die from the medical settings in which it is now most familiar. To do so allows us to think about euthanasia – a good death – in less bleak circumstances.

We don't ever, strictly speaking, get to experience death, as death is the end of experience. As the Austrian philosopher Ludwig Wittgenstein wrote, death is not an event in life. But there's no reason why death couldn't be an event in the sense that a wedding is an event. You could decide the date and make extensive arrangements for the location and the nature of the ceremony. You could draw up a guest list. You might plan for friends to read farewells and lines of verse. You could give a speech of your own or, for the karaoke-inclined, sing 'My Way'.

You might not have many family or friends – or not want them there in any case. No doubt a company such as my fictitious 'Designer Endings' could provide staff for the ceremony you have in mind. This could cause controversy: no doubt some people's visions for their death ceremony would be bacchanalian and orgiastic. You can imagine the many corny ideas about how to go not with a whimper but with a bang. People might look for inspiration from pagan festivals such as Burning Man in Nevada. Others would no doubt look to film and literature in designing the stage for their exit. Tastes, especially once allowed to flourish, would vary: we differ in how we want to leave as much as in how we want to live. Some want the intensity of chemsex, others want the calm of a cup of tea. The very wealthy might try to hire singers such as Lana Del Rey for their goodbye ceremony. Others might opt for a death metal band.[...]

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#### Q.6 [11594329]

What is the purpose of the author behind writing the first paragraph?

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- 1 ☐ To use the imagery of a designer euthanasia organisation to begin a discussion on euthanasia as a way of dying.
- 
- 2 ☐ To paint the image of a designer euthanasia organisation to build his argument of people's right to decide the way they wish to die.
- 
- 3 ☐ To capture the attention of the reader with an image of an imaginary designer euthanasia organisation.
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4 ○ To make the reader visualise how a designer euthanasia organisation would function and argue that they would allow people to choose the manner of their death.

[🔍 Answer key/Solution](#)[Bookmark](#)[FeedBack](#)

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#### Q.7 [11594329]

Which of the following is consistent with the first two sentences of Para 4?

- 1 ☐ Death is so natural and inevitable that it doesn't qualify to be called an 'event'.
- 2 ☐ Death is not an event, but a process that keeps going on through a person's life.
- 3 ☐ Strictly speaking, a person cannot both experience death and live to recount it to others at the same time.
- 4 ☐ For a person, the end of life is a pre-requisite for death to happen.

[Answer key/Solution](#)[Bookmark](#)[FeedBack](#)

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**Q.8 [11594329]**

The author mentions all of the following from which an inspiration for one's death ceremony could be taken EXCEPT:

1 ☐ Literature

2 ☐ Pagan festivals

3 ☐ Music

4 ☐ Films



 Answer key/Solution

Bookmark

FeedBack



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**Q.9 [11594329]**

Which one of the following sequences best captures the flow of the arguments in the passage?

- 
- 1 ☐ Designer euthanasia organisations—right to choose one's ending—euthanasia beyond the medical context—death like an event like wedding—different plans for the death ceremony
- 
- 2 ☐ Designer euthanasia organisations—right to die—euthanasia in the medical context—death like an event like wedding—different plans for different people to celebrate the event
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3 ☐ Designer Endings—euthanasia—going beyond the medical context—death as an experience—plans to enjoy the experience

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4 ☐ Designer Endings—fiction, not fact—circumstances of euthanasia—death like a wedding—plans for the ceremony

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 Answer key/Solution

Bookmark

FeedBack

**Direction for questions (6-10):** Read the given passage and answer the questions that follow.

One day you wake early, walk into town, and a large advertising billboard attracts your attention. The image on the poster is mysterious but appears to depict a ceremony in a forest. *You didn't choose to come into this world*, says the text across the middle, *but you can choose how you leave*. To the bottom right of the poster is a company name, *Designer Endings*, and contact details. You call the number and confirm that what is being offered is indeed the chance to die in just the way you would like.

The description is fiction – there aren't currently any designer euthanasia organisations or companies – but it's worth wondering why it isn't yet fact. Many people no longer hold the kind of religious views according to which our time of death is not allowed to be of our choosing. There are an increasing number of countries where physician-assisted suicide and euthanasia is permitted in a medical context. But why think that the right to choose our ending is given legitimacy only, if at all, on health grounds? Why don't we have the right to end our lives not just when we want to but to also do so in style?

The word 'euthanasia' comes from the Greek for a 'good death'. However, this idea of a positively good death can easily be lost in contemporary debates over euthanasia where the emphasis is typically on the rights of a person in very dire health. I will touch on the familiar questions of medical ethics in what follows. But my larger goal is to liberate discussion of the right to die from the medical settings in which it is now most familiar. To do so allows us to think about euthanasia – a good death – in less bleak circumstances.

We don't ever, strictly speaking, get to experience death, as death is the end of experience. As the Austrian philosopher Ludwig Wittgenstein wrote, death is not an event in life. But there's no reason why death couldn't be an event in the sense that a wedding is an event. You could decide the date and make extensive arrangements for the location and the nature of the ceremony. You could draw up a guest list. You might plan for friends to read farewells and lines of verse. You could give a speech of your own or, for the karaoke-inclined, sing 'My Way'.

You might not have many family or friends – or not want them there in any case. No doubt a company such as my fictitious 'Designer Endings' could provide staff for the ceremony you have in mind. This could cause controversy: no doubt some people's visions for their death ceremony would be bacchanalian and orgiastic. You can imagine the many corny ideas about how to go not with a whimper but with a bang. People might look for inspiration from pagan festivals such as Burning Man in Nevada. Others would no doubt look to film and literature in designing the stage for their exit. Tastes, especially once allowed to flourish, would vary: we differ in how we want to leave as much as in how we want to live. Some want the intensity of chemsex, others want the calm of a cup of tea. The very wealthy might try to hire singers such as Lana Del Rey for their goodbye ceremony. Others might opt for a death metal band.[...]

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#### Q.10 [11594329]

"But why think that the right to choose our ending is given legitimacy only, if at all, on health grounds?" People who oppose giving legitimacy to this right beyond health grounds are LEAST likely to cite which of the following?

- 
- 1 ☐ Most of the choices of a person in their life aren't truly their own and are affected by social conditioning.
- 
- 2 ☐ In some cases that go beyond the health grounds, it can be difficult to objectively determine the choice of a person in the matter of death.
-

3 ☐ A person must be given the freedom to do what they wish with their life in any circumstance.

4 ☐ Extending such a right beyond health grounds is highly likely to infringe upon the rights of dependants related to the individual making the choice to die.



Answer key/Solution

Bookmark

FeedBack

**Direction for questions (11-14):** Read the given passage and answer the questions that follow.

Why do I find myself flicking through Twitter in the evening, alternately looking at tables of COVID-19 death rates and bidet memes? How can I find something so scary one minute so funny the next? And what is it about this crisis in particular that has spawned such an industrial output of humor? Is this some kind of hysteria?

The *why* of humor has long been a mystery. For ancient Greek philosophers such as Plato and Aristotle, it was a dangerous phenomenon, something that had the potential to undermine authority and the good order of society. Laughing at those in charge was a serious issue then (and still remains the case in more autocratic parts of the world). Today, in democratic societies, we know the importance of mocking those with power, and we celebrate it, on *Saturday Night Live* in the United States and *Have I Got News for You* in Britain. In a typically provocative essay for *Vanity Fair*, the late Christopher Hitchens expanded on the link between power and laughter by arguing that humor was “part of the armor-plate” of humanity, protecting us from life’s grim reality—that, ultimately, death wins out. How’s that for an LOL. We joke because if we didn’t, we’d cry.

Tim Minchin, the British Australian comedian, actor, and composer, opined “We don’t laugh at scary things because we don’t understand their seriousness,” he told me. “We laugh *because* they’re serious. Making jokes gives us a sense of power over the threat.” In fact, Minchin rejected the notion that joking about serious issues was somehow inappropriate.

That said, humor is more than thumbing our noses at power. The late Robert R. Provine, a professor at the University of Maryland who became one of the world’s leading experts on laughter, came to the conclusion, after a decade of studying how and why people laugh, that it was actually a way of bonding. “Most people think of laughter as a simple response to comedy, or a cathartic mood-lifter,” he wrote. “Instead ... I concluded that laughter is primarily a social vocalization that binds people together.” We laugh *with* others to give us “the pleasure of acceptance,” Provine argued—to show that we are the same. Simon Stuart, a clinical psychologist in Britain, told me that, from an evolutionary perspective, laughter is rooted in this ability to connect. It is a shared social signal.

We laugh, then, to take back control and to connect—two things we have lost in our fight against the coronavirus. Not only are we unable to stop the tidal wave of infection washing over us, but we are being forced to endure this reality alone in our own home. Powerless and isolated, we’re finding that the joke is now our most reliable shield—and our warmest comfort blanket.

**Q.11 [11594329]**

What does the author imply when they say, "We joke because if we didn't, we'd cry."

- 1 ☐ For many people, joking is a mechanism to vent their negative feelings about life and death.
- 2 ☐ Joking acts a defence mechanism for us against the more powerful forces, some of which are beyond our control.
- 3 ☐ If we didn't joke, the more powerful people and entities in our life would make us cry.
- 4 ☐ Joking helps us in escaping unhurt from the more powerful forces, some of which are beyond our control.

[🔍 Answer key/Solution](#)[Bookmark](#)[FeedBack](#)

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#### Q.12 [11594329]

According to Robert R. Provine, what is the function served by laughter?

- 1 ☐ It serves as a natural response to humour.
- 2 ☐ It is a shared experience that binds people together.
- 3 ☐ It gives us the pleasure of acceptance in our own eyes.
- 4 ☐ It helps us to express our emotions such that we feel better.



Bookmark

FeedBack

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### Q.13 [11594329]

Which of the following, if true, would most weaken Tim Minchin’s argument that joking about serious issues is not inappropriate?

- 1 ☐ How any subject is treated varies widely depending upon the comedian’s sensitivity.

2 ☐ Many established comedians hold views opposite to those of Tim Minchin and strongly believe that certain issues are out of the bounds of humour.

3 ☐ Joking on serious issues such as domestic violence, child abuse, etc. greatly normalises and furthers the harm to their victims.

4 ☐ Joking on many serious issues like Nazism, racism, can cause one to face severe legal action.

[🔍 Answer key/Solution](#)[Bookmark](#)[FeedBack](#)



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**Q.14 [11594329]**

Tim Minchin says that we laugh at a serious issue because it is serious. This action of ours is most similar to which of the following?

- 1 ☐ A boy laughing at a serious scene during a movie because he is imagining its spoof in his mind.
  - 2 ☐ A trekker happily taking on a trekking challenge because she finds it challenging.
  - 3 ☐ A disaster victim seeking regular psychotherapy to cope with her emotional trauma.
  - 4 ☐ A woman joking that the upside of her chemotherapy is that she doesn’t have to worry about a haircut anymore.
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[🔍 Answer key/Solution](#)[Bookmark](#)[FeedBack](#)

**Direction for questions (15-18):** Read the given passage and answer the questions that follow.

Trump constantly torques up the tribal friction and cruelty on Twitter and Facebook, even as the sites Facebook refine their systems to ratchet up rage. It is amazing that a septuagenarian became the greatest exploiter of social media. Trump and Twitter were a match made in hell.

The Wall Street Journal had a chilling report a few days ago that Facebook's own research in 2018 revealed that "our algorithms exploit the human brain's attraction to divisiveness. If left unchecked," Facebook would feed users "more and more divisive content in an effort to gain user attention & increase time on the platform."

Mark Zuckerberg shelved the research.

"The shareholders of Facebook decided, 'If you can increase my stock tenfold, we can put up with a lot of rage and hate,'" says Scott Galloway, professor of marketing at New York University's Stern School of Business. "The rise of social media will be seen as directly correlating to the decline of Western civilization."

Jack Dorsey, CEO of Twitter, made some mild moves against the president who has been spewing lies and inciting violence on Twitter for years. He added footnotes clarifying false Trump tweets about mail-in ballots and put a warning label on the president's tweet about the Minneapolis riots that echo the language of a Miami police chief in 1967 and segregationist George Wallace: "When the looting starts, the shooting starts."

Zuckerberg, on the other hand, went on Fox to report that he was happy to continue enabling the Emperor of Chaos, noting that he did not think Facebook should be "the arbiter of truth of everything that people say online." It was a sickening display that made even some loyal Facebook staffers queasy.

Trump, furious that Dorsey would attempt to rein him in on the very platform that catapulted him into the White House, immediately decided to try to rein in Dorsey. He signed an executive order that might strip liability protection from social media sites, which would mean they would have to more assiduously police false and defamatory posts. Now that social media sites are behemoths, Galloway thinks that the removal of the Communications Decency Act makes a lot of sense even if the president is trying to do it for the wrong reasons.

"It's the mother of all cutting-off-your-nose-to-spite-your-face moves," says Galloway.

The president wants to say things on Twitter that he will not be allowed to say if he exerts this control over Twitter. In a sense, it's Trump versus his own brain. If Twitter can be sued for what people say on it, how can Trump continue to torment? Wouldn't thousands of his own tweets have to be deleted?

"He'd be the equivalent of a slippery floor at a store that sells equipment for hip replacements," says Galloway, who also posits that, in our hyper-politicized world, this will turn Twitter into a Democratic site and Facebook into a Republican one.

Nancy Pelosi, whose district encompasses Twitter, said that it did little good for Dorsey to put up a few fact-checks while letting Trump's rants about murder and other "misrepresentations" stay up.

C'mon, Jack. Make @realDonaldTrump melt to help end our meltdown.

**Q.15 [11594329]**

Which of the following, if true, would cast the most doubt on the reason indicated behind Zuckerberg's shelving the research?

- 1 ☐ The research did not extend any concrete reason behind the human brain's attraction to divisiveness.
- 2 ☐ The data used in the research belonged to election times in the sample countries, when divisive content attracts unusually high attention of people.
- 3 ☐ As Facebook is present in a large number of countries, the sample size for the research was extremely large.
- 4 ☐ That year, Zuckerberg diverted funds from all those good research projects whose recommendations could reduce the profits of Facebook to all those good projects whose recommendations could increase them.

[🔍 Answer key/Solution](#)[Bookmark](#)[FeedBack](#)

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**Q.16 [11594329]**

All of the following are true as per the passage, EXCEPT:

1 ☐ Trump is a septuagenarian.

2 ☐ Zuckerberg's comments in relation to Trump's tweet worried some Facebook employees.

3 ☐ The removal of the Communications Decency Act is a wrong step in the right direction.

4 ☐ Jack Dorsey's actions against Trump's tweets enraged Trump.



 Answer key/Solution

Bookmark

FeedBack

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**Q.17 [11594329]**

"The rise of social media will be seen as directly correlating to the decline of Western civilization." Which of the following, if true, would strengthen the correlation mentioned in the statement the most?

- 1 ☐ Social media has turned the world into a global village where each civilization draws from the other and changes its character.
- 2 ☐ The rise of social media has already been seen as directly correlated to the decline in the ideals of the Eastern civilisation.
- 3 ☐ In a survey in the West, people reported that their face-to-face interactions with the other members of their civilisation have reduced significantly because of the rise of social media.
- 4 ☐ Because of the discordant exchanges resulting from the increased adoption of social media, people in the West report experiencing a loss of societal harmony, which is regarded as the basis of any civilization.

[🔍 Answer key/Solution](#)[Bookmark](#)[FeedBack](#)



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**Q.18 [11594329]**

Which of the following most accurately describes the nature of the last sentence of the passage?

- 1 ☐ It is an appeal made by Nancy Pelosi to Jack Dorsey to suspend Donald Trump's Twitter account so as to end the anguish that his tweets cause.
- 2 ☐ It is an encouragement by the author to Twitter's CEO to suspend Donald Trump's Twitter account to provide people relief from his false and defamatory tweets.
- 3 ☐ It is an appeal by the author to Twitter's CEO to go beyond the mild measures that he has taken so far with regard to Trump's tweets.
- 4 ☐ It is an encouragement by Nancy Pelosi to Twitter's CEO to take down Trump's rants about murder and other "misrepresentations".

[🔍 Answer key/Solution](#)[Bookmark](#)[FeedBack](#)**Q.19 [11594329]**

**Directions for question (19):** The four sentences (labelled 1, 2, 3, and 4) given in this question, when properly sequenced, form a coherent paragraph. Decide on the proper order for the sentences and key in this sequence of four numbers as your answer.

1. Instead of fashioning a comprehensive system, essays lightly gesture towards hidden depths and the connectedness of phenomena, often to greater effect.
2. Not at home in the treatise, taxonomy or monograph, Simmel was foremost an essayist.
3. The impression is of a temporarily illuminated whole that fades rapidly, leaving one with the sense that there is more to be discovered, provided another flash of brilliance.
4. As his fellow German scholar Theodor Adorno wrote of the essay form, thinking of Simmel, it 'does not let its domain be prescribed for it ... The essay does not play by the rules of organised science and theory ...'

[✕](#)[🔍 Answer key/Solution](#)[Bookmark](#)[FeedBack](#)

**Q.20 [11594329]**

**Directions for question (20):** The four sentences (labelled 1, 2, 3, and 4) given in this question, when properly sequenced, form a coherent paragraph. Decide on the proper order for the sentences and key in this sequence of four numbers as your answer.

1. His allusion to his embellishments of Homer, in which he declares himself to have surpassed Metrodorus of Lampsacus and Stesimbrotus of Thasos, seems to show that, like them, he belonged to the allegorical school of interpreters.
2. Also, the manner in which Ion is affected by his own recitations affords a lively illustration of the power which, in the Republic, Socrates attributes to dramatic performances over the mind of the performer.
3. The old quarrel between philosophy and poetry, which in the Republic leads to their final separation, is already working in the mind of Plato, and is embodied by him in the contrast between Socrates and Ion.
4. Yet here, as in the Republic, Socrates shows a sympathy with the poetic nature.

 Answer key/Solution

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**Q.21 [11594329]**

**Directions for question (21):** The passage given below is followed by four summaries. Choose the option that best captures the author's position.

It does not appear impossible that if an inner circle of World Revolution exists, it consists of a purely International group of individuals whose aim is that of Weishaupt--the destruction of the present system of society. That such an aim can be seriously entertained is shown by the fact that it is openly proclaimed by a whole school of writers and thinkers ranging from gentle Idealists to ferocious Anarchists who, whilst widely differing as to methods and the ultimate ends to be attained, are agreed on the common purpose expressed by Rabaud de Saint-Étienne in the words: "Everything, yes, everything must be destroyed, since everything must be re-made."

- 1 ☐ It is possible that an inner circle of World Revolution, comprising an international group of individuals, exists as its aim is echoed by a variety of writers and thinkers who agree on the ultimate end of the world.
- 2 ☐ The voice lent to the idea of destruction of the current system of society by various thinkers and writers makes it possible that this is the aim of an inner circle of World Revolution, if it exists.
- 3 ☐ The existence of an inner circle of World Revolution for destroying the present system of society is made possible by the proclamation of idealists and anarchists who share the same vision.

4 ○ While differing on the methods and ultimate ends, various writers and thinkers agree with the inner circle of World Revolution regarding the fact that everything must be destroyed.

[🔍 Answer key/Solution](#)[Bookmark](#)[FeedBack](#)**Q.22 [11594329]**

**Directions for question (22):** Five sentences related to a topic are given below. Four of them can be put together to form a meaningful and coherent short paragraph. Identify the odd one out.

1. Observers have drawn parallels between Mr. Xi and his powerful predecessors, Mao Zedong and Deng Xiaoping, perhaps a tad unfairly to both the iconic architects of the People's Republic of China (PRC).
2. Mao presided over the founding of the PRC in 1949 and consolidated his leadership during the Long March in the mid-1930s.
3. To the outside world, China seeks to project a picture of monolithic unity behind President Xi Jinping's highly centralised leadership.
4. Reports have surfaced alleging delays in reporting facts, conflicting instructions and tight censorship.
5. However, media tropes point to a greater scrutiny of his role and leadership style, especially during the early stages of the COVID-19 outbreak in Wuhan.

[🔍 Answer key/Solution](#)[Bookmark](#)[FeedBack](#)

**Q.23 [11594329]**

**Directions for question (23):** The four sentences (labelled 1, 2, 3, and 4) given in this question, when properly sequenced, form a coherent paragraph. Decide on the proper order for the sentences and key in this sequence of four numbers as your answer.

1. Whenever he brings from his psychological studies arguments which point to the errors in public prejudices, he can present his facts in full array.
2. But the fight in favour of the policy of silence is different.
3. But now since a new great wave of discussion has arisen, and the sexual problem is stirring the nation, the psychologist's faith in the unpopular policy puts him into an especially difficult position.
4. Nothing hinders him from speaking with earnestness against the follies of hasty and short-sighted methods in every concern of public life, if he has the courage to oppose the fancies of the day.

[🔍 Answer key/Solution](#)[Bookmark](#)[FeedBack](#)**Q.24 [11594329]**

**Directions for question (24):** Five sentences related to a topic are given below. Four of them can be put together to form a meaningful and coherent short paragraph. Identify the odd one out.

1. Yet, as the market grows, the 'teleological chain' of transactions extends, making non-monetary goals more distant and more valuable.
2. Money, like Heraclitus' river, constantly moves while staying the same.
3. Take love, for instance; as we become more anonymous and distant from one another, love flourishes.
4. Because it has no goal beyond its own circulation, money points towards non-economic values.
5. The city, with its modern life, accelerates the calculable logic of money.

[🔍 Answer key/Solution](#)[Bookmark](#)[FeedBack](#)

**Q.25 [11594329]**

**Directions for question (25):** The passage given below is followed by four summaries. Choose the option that best captures the author's position.

Who makes up or invents proverbs? They are so often a chockful of never-mind-what. They pile up platitude upon platitude which the officious and unctuous mouth repeats in and out of season and are taken to be the distillates of wisdom. But proverbs are sagacity after the event. Homilies, truisms, adages, maxims are the work of the glib, the undecided, the ambivalent and of those who would have it both ways. Show me a proverb and I'll show you its antidote.

- 1 ☐ Proverbs are useless as they are full of platitude and represent the wisdom collected after the event has happened.
- 2 ☐ Proverbs, each saying something that has a counter-proverb, represent clichéd wisdom attained after the event and are the creation of people who don't wish to take a clear stand.
- 3 ☐ For every proverb, there is another proverb that says the opposite, and this ambivalence reduces them to platitudinous wisdom collected after the event that doesn't really help one decide anything.
- 4 ☐ Proverbs are the refuge of the officious and unctuous who wish to utter something that is wise yet clichéd and saves them from the responsibility of making decisions.

[🔍 Answer key/Solution](#)[Bookmark](#)[FeedBack](#)**Q.26 [11594329]**

**Directions for question (26):** The four sentences (labelled 1, 2, 3, and 4) given in this question, when properly sequenced, form a coherent paragraph. Decide on the proper order for the sentences and key in this sequence of four numbers as your answer.

1. Between human beings, love is a relational word.
2. But the love of other people is directional.
3. Yes, you can love things that do not love you back—the sky or a mountain or a painting or the game of chess.
4. There is a lover and a beloved—you don't just love, but you love at someone.

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## Sec 2

**Directions for questions 27 to 30:** Answer the questions on the basis of the information given below.

AK wants to organise an outing for his family. However, his family members - his mother, father, sister, nephew and brother-in-law - proposed 5 different places to go - Amritsar, Fantastic park, Lohagarh, Jim Corbett, and Matamaal (in no particular order). One of these places is a 1 day trip (not requiring an overnight stay) but the other 4 trips proposed require overnight stay. The duration of these 4 trips is a minimum of 2 days and a maximum of 4 days and for these trips, they will require 4 different modes of stay: hotel, resort, mud-hut and garden home (in no particular order).

To agree on one place for the outing, AK's family members decide to rate each place and will go to that place which will have higher rating out of total 100. After the exercise, AK observed the following:

- (i) The only trip proposed for 2 days will need a stay at a mud-hut. The trip to Amritsar will be at least a 3 days trip.
- (ii) Out of these 5 trips proposed, at least 1 trip each is of 2 days, 3 days and 4 days.
- (iii) Amritsar's rating is the highest at 84. The place that requires a resort stay has the second highest rating, which is 25% more than the rating of the Fantastic park.
- (iv) The garden home stay has the lowest rating, which is 20% less than the 1 day trip to Lohagarh whose rating is greater than 72.
- (v) AK's father wants an overnight trip but has not proposed a trip needing a mud-hut stay or a garden home stay. AK's brother-in-law has proposed a trip requiring an overnight stay not based at either a hotel or a resort.
- (vi) All the ratings, out of 100, are distinct natural numbers.

### Q.27 [11594329]

Which of the following place has the rating equal to the median of all five ratings?

1 ☐ Lohagarh

2 ☐ Fantastic park

3 ☐ Matamaa

4 ☐ Either (1) or (2)



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**Directions for questions 27 to 30:** Answer the questions on the basis of the information given below.

AK wants to organise an outing for his family. However, his family members - his mother, father, sister, nephew and brother-in-law - proposed 5 different places to go - Amritsar, Fantastic park, Lohagarh, Jim Corbett, and Matamaal (in no particular order). One of these places is a 1 day trip (not requiring an overnight stay) but the other 4 trips proposed require overnight stay. The duration of these 4 trips is a minimum of 2 days and a maximum of 4 days and for these trips, they will require 4 different modes of stay: hotel, resort, mud-hut and garden home (in no particular order).

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- (v) AK's father wants an overnight trip but has not proposed a trip needing a mud-hut stay or a garden home stay. AK's brother-in-law has proposed a trip requiring an overnight stay not based at either a hotel or a resort.
- (vi) All the ratings, out of 100, are distinct natural numbers.

**Q.28 [11594329]**

If AK's sister wants the mud-hut stay while his mother wants the 1 day trip, then his nephew must have proposed a trip to

- 1 ☐ One among Fantastic park, Amritsar and Matamaal
- 2 ☐ One among Amritsar, Jim Corbett and Matamaal
- 3 ☐ One among Amritsar, Jim Corbett and Fantastic park
- 4 ☐ One among Jim Corbett, Matamaal and Fantastic park





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**Directions for questions 27 to 30:** Answer the questions on the basis of the information given below.

AK wants to organise an outing for his family. However, his family members - his mother, father, sister, nephew and brother-in-law - proposed 5 different places to go - Amritsar, Fantastic park, Lohagarh, Jim Corbett, and Matamaal (in no particular order). One of these places is a 1 day trip (not requiring an overnight stay) but the other 4 trips proposed require overnight stay. The duration of these 4 trips is a minimum of 2 days and a maximum of 4 days and for these trips, they will require 4 different modes of stay: hotel, resort, mud-hut and garden home (in no particular order).

To agree on one place for the outing, AK's family members decide to rate each place and will go to that place which will have higher rating out of total 100. After the exercise, AK observed the following:

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- (iv) The garden home stay has the lowest rating, which is 20% less than the 1 day trip to Lohagarh whose rating is greater than 72.
- (v) AK's father wants an overnight trip but has not proposed a trip needing a mud-hut stay or a garden home stay. AK's brother-in-law has proposed a trip requiring an overnight stay not based at either a hotel or a resort.
- (vi) All the ratings, out of 100, are distinct natural numbers.

**Q.29 [11594329]**

If AK's sister wants the mud-hut stay while his mother wants the 1 day trip, who among the given options could have proposed a 3 days trip if the only trip proposed for 4 days requires a garden home stay?

1 ☐ Mother

2 ☐ Father

3 ☐ Sister

4 ☐ Brother-in-law



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**Directions for questions 27 to 30:** Answer the questions on the basis of the information given below.

AK wants to organise an outing for his family. However, his family members - his mother, father, sister, nephew and brother-in-law - proposed 5 different places to go - Amritsar, Fantastic park, Lohagarh, Jim Corbett, and Matamaal (in no particular order). One of these places is a 1 day trip (not requiring an overnight stay) but the other 4 trips proposed require overnight stay. The duration of these 4 trips is a minimum of 2 days and a maximum of 4 days and for these trips, they will require 4 different modes of stay: hotel, resort, mud-hut and garden home (in no particular order).

To agree on one place for the outing, AK's family members decide to rate each place and will go to that place which will have higher rating out of total 100. After the exercise, AK observed the following:

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- (v) AK's father wants an overnight trip but has not proposed a trip needing a mud-hut stay or a garden home stay. AK's brother-in-law has proposed a trip requiring an overnight stay not based at either a hotel or a resort.
- (vi) All the ratings, out of 100, are distinct natural numbers.

**Q.30 [11594329]**

The absolute difference between the ratings received by the places Jim Corbett and Matamaal must have been \_\_\_\_\_.

×

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**Directions for questions 31 to 34:** Answer the questions on the basis of the information given below.

A country called Chil-land comprises only 11 cities – Addis, Barce, Casablan, Darwi, Edinbur, Floren, George, Honolu, Istan, Johaunes and Kuala, each of which is in the shape of a square. The area of all the cities are equal, with the four edges of the square as its boundaries. Any city is said to be a neighbour of another city if the two cities have one edge as a common boundary. Further, one can travel between two cities only if the two cities are neighbours and one can reach any city from any of the other cities by passing through one or more cities, if required. The only mode of travelling from one city to another is by road. Additional information is as follows:

- (i) The total area of the 11 cities is equal to the area of the entire country.
- (ii) Barce, Floren, George and Istan are the only cities which are to the North of Johannes.
- (iii) Barce is the only neighbour of Addis, while Casablan and Floren are the only other neighbours of Barce.
- (iv) Floren is the only city which is to the West of Honolu and Casablan is the only city which is to the North of Kuala.
- (v) Johannes is the only neighbour of Kuala, while Darwi is the only neighbour to each of Edinbur and Honolu.

**Q.31 [11594329]**

Which of the following cities is to the immediate North of Istan?

1 ☐ George

2 ☐ Floren

3 ☐ Barce

4 ☐ Either (1) or (2)

 **Answer key/Solution**

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**Directions for questions 31 to 34:** Answer the questions on the basis of the information given below.

A country called Chil-land comprises only 11 cities – Addis, Barce, Casablan, Darwi, Edinbur, Floren, George, Honolu, Istan, Johaunes and Kuala, each of which is in the shape of a square. The area of all the cities are equal, with the four edges of the square as its boundaries. Any city is said to be a neighbour of another city if the two cities have one edge as a common boundary. Further, one can travel between two cities only if the two cities are neighbours and one can reach any city from any of the other cities by passing through one or more cities, if required. The only mode of travelling from one city to another is by road. Additional information is as follows:

- (i) The total area of the 11 cities is equal to the area of the entire country.
- (ii) Barce, Floren, George and Istan are the only cities which are to the North of Johannes.
- (iii) Barce is the only neighbour of Addis, while Casablan and Floren are the only other neighbours of Barce.
- (iv) Floren is the only city which is to the West of Honolu and Casablan is the only city which is to the North of Kuala.
- (v) Johannes is the only neighbour of Kuala, while Darwi is the only neighbour to each of Edinbur and Honolu.

**Q.32 [11594329]**

Which of the following cities is definitely the neighbour of George?

1 ☐ Johannes

2 ☐ Floren

3 ☐ Darwi

4 ☐ Istan

 **Answer key/Solution**

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**Directions for questions 31 to 34:** Answer the questions on the basis of the information given below.

A country called Chil-land comprises only 11 cities – Addis, Barce, Casablan, Darwi, Edinbur, Floren, George, Honolu, Istan, Johaunes and Kuala, each of which is in the shape of a square. The area of all the cities are equal, with the four edges of the square as its boundaries. Any city is said to be a neighbour of another city if the two cities have one edge as a common boundary. Further, one can travel between two cities only if the two cities are neighbours and one can reach any city from any of the other cities by passing through one or more cities, if required. The only mode of travelling from one city to another is by road. Additional information is as follows:

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- (iv) Floren is the only city which is to the West of Honolu and Casablan is the only city which is to the North of Kuala.
- (v) Johannes is the only neighbour of Kuala, while Darwi is the only neighbour to each of Edinbur and Honolu.

**Q.33 [11594329]**

Which of the following cities has/have exactly two neighbouring cities?

1 ☐ Barce

2 ☐ Johannes

3 ☐ Darwi

4 ☐ All of the above

 **Answer key/Solution**

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**Directions for questions 31 to 34:** Answer the questions on the basis of the information given below.

A country called Chil-land comprises only 11 cities – Addis, Barce, Casablan, Darwi, Edinbur, Floren, George, Honolu, Istan, Johaunes and Kuala, each of which is in the shape of a square. The area of all the cities are equal, with the four edges of the square as its boundaries. Any city is said to be a neighbour of another city if the two cities have one edge as a common boundary. Further, one can travel between two cities only if the two cities are neighbours and one can reach any city from any of the other cities by passing through one or more cities, if required. The only mode of travelling from one city to another is by road. Additional information is as follows:

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- (iv) Floren is the only city which is to the West of Honolu and Casablan is the only city which is to the North of Kuala.
- (v) Johannes is the only neighbour of Kuala, while Darwi is the only neighbour to each of Edinbur and Honolu.

**Q.34 [11594329]**

Which of the following cities are definitely to the East of Addis?

- (i) Barce
- (ii) Casablan
- (iii) Darwi
- (iv) Edinbur

1 ☐ (i) and (ii)

2 ☐ (i), (ii) and (iii)

3 ☐ (ii) and (iv)

4 ☐ (i), (ii), (iii) and (iv)

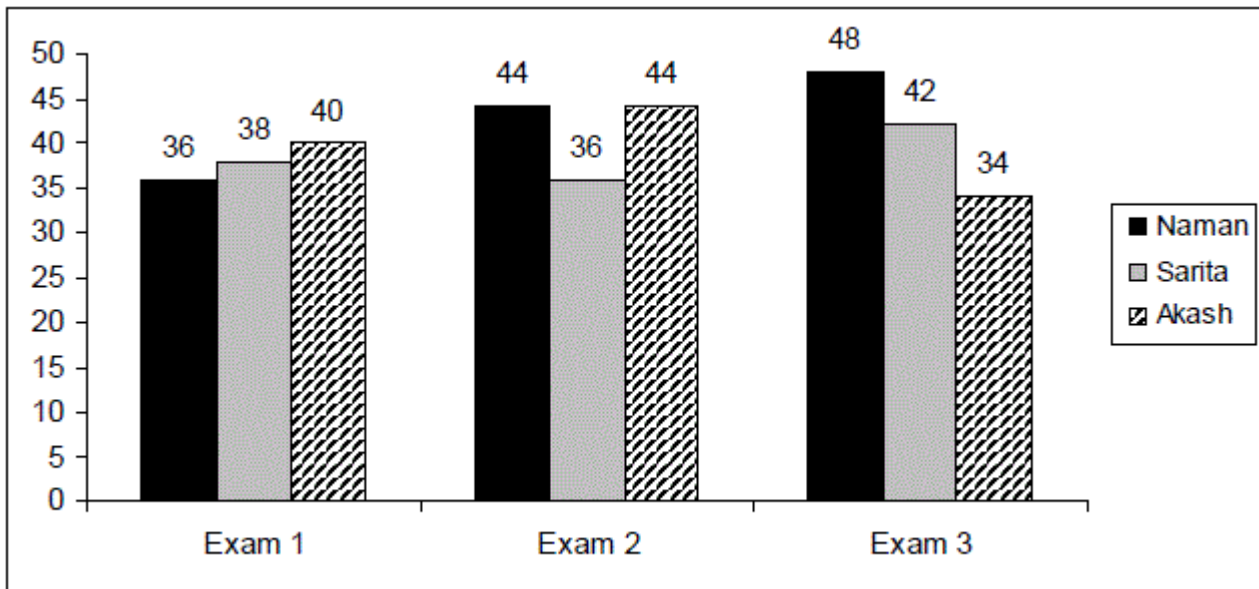
 **Answer key/Solution**

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**Directions for questions 35 to 38:** Answer the questions on the basis of the information given below.

There are three friends named as Naman, Sarita, and Akash. They appeared for the three exams - EXAM – 1, Exam – 2, and EXAM – 3. In each of the three exams there were 50 questions. The table given below tells about the number of questions attempted by the three students in each of the three exams.



Some other information about the three exams is as under.

- (i) Each correct question fetches 2 marks in each exam..
- (ii) For every incorrect question, penalty is 1 mark, 0.5 marks, and 0.5 marks respectively for the three exams..
- (iii) For every not-attempted question 0 marks were awarded..
- (iv) All the 3 friends got same total marks in the three exams together..

**Q.35 [11594329]**

Find the minimum number of questions answered incorrectly by all the three friends in the three exams together.

1 ☐ 0

2 ☐ 8

3 ☐ 10

4 ☐ 16

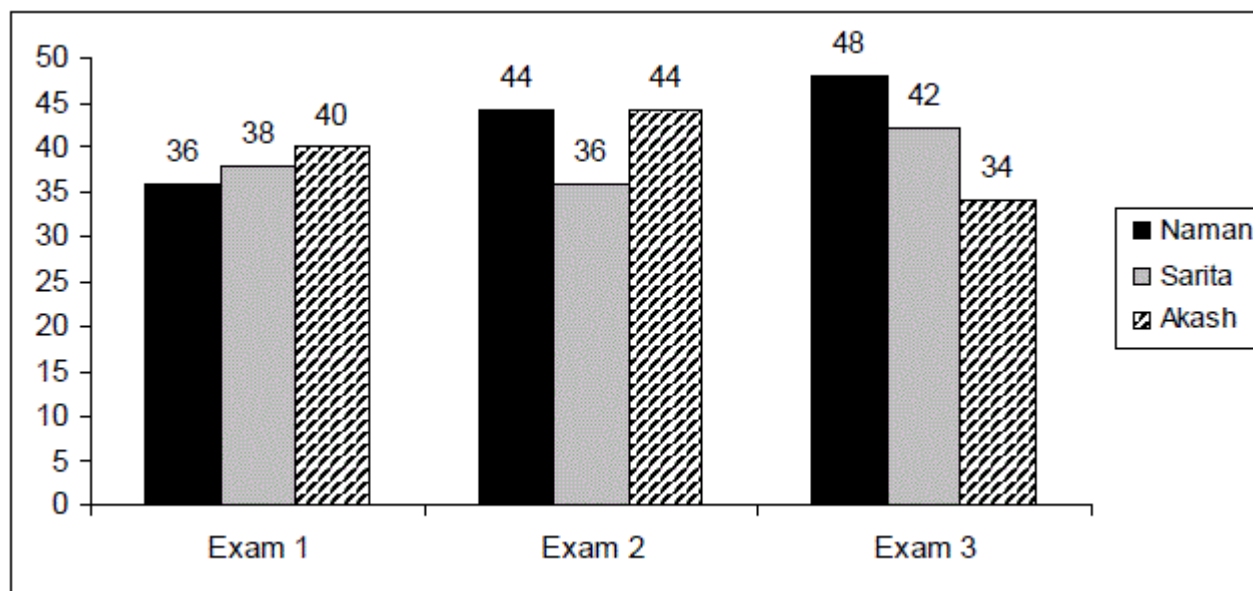
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**Directions for questions 35 to 38:** Answer the questions on the basis of the information given below.

There are three friends named as Naman, Sarita, and Akash. They appeared for the three exams - EXAM – 1, Exam – 2, and EXAM – 3. In each of the three exams there were 50 questions. The table given below tells about the number of questions attempted by the three students in each of the three exams.



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- (ii) For every incorrect question, penalty is 1 mark, 0.5 marks, and 0.5 marks respectively for the three exams..
- (iii) For every not-attempted question 0 marks were awarded..
- (iv) All the 3 friends got same total marks in the three exams together..

**Q.36 [11594329]**

What could be the maximum possible total marks got by three of them in Exam – 3?

[Answer key/Solution](#)

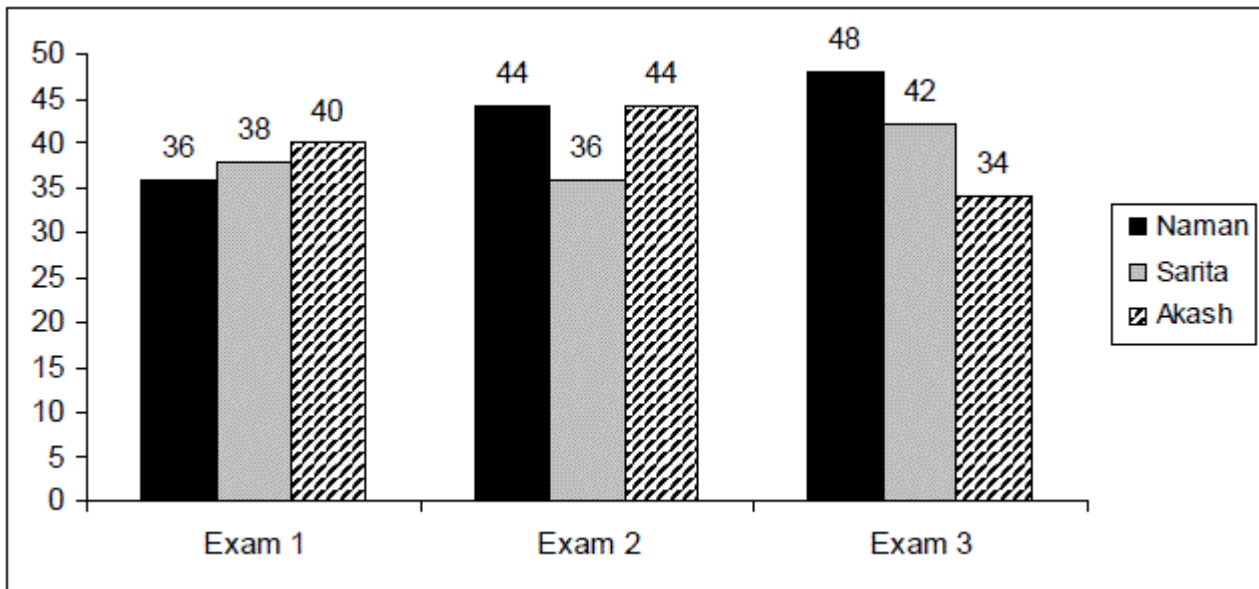
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**Directions for questions 35 to 38:** Answer the questions on the basis of the information given below.

There are three friends named as Naman, Sarita, and Akash. They appeared for the three exams - EXAM – 1, Exam – 2, and EXAM – 3. In each of the three exams there were 50 questions. The table given below tells about the number of questions attempted by the three students in each of the three exams.



Some other information about the three exams is as under.

- (i) Each correct question fetches 2 marks in each exam..
- (ii) For every incorrect question, penalty is 1 mark, 0.5 marks, and 0.5 marks respectively for the three exams..
- (iii) For every not-attempted question 0 marks were awarded..
- (iv) All the 3 friends got same total marks in the three exams together..

**Q.37 [11594329]**

What could be the maximum possible passing marks of each exam such that each of them fails in exactly one of the three exams?

1 ☐ 84

2 ☐ 74

3 ☐ 72

4 ☐ 68

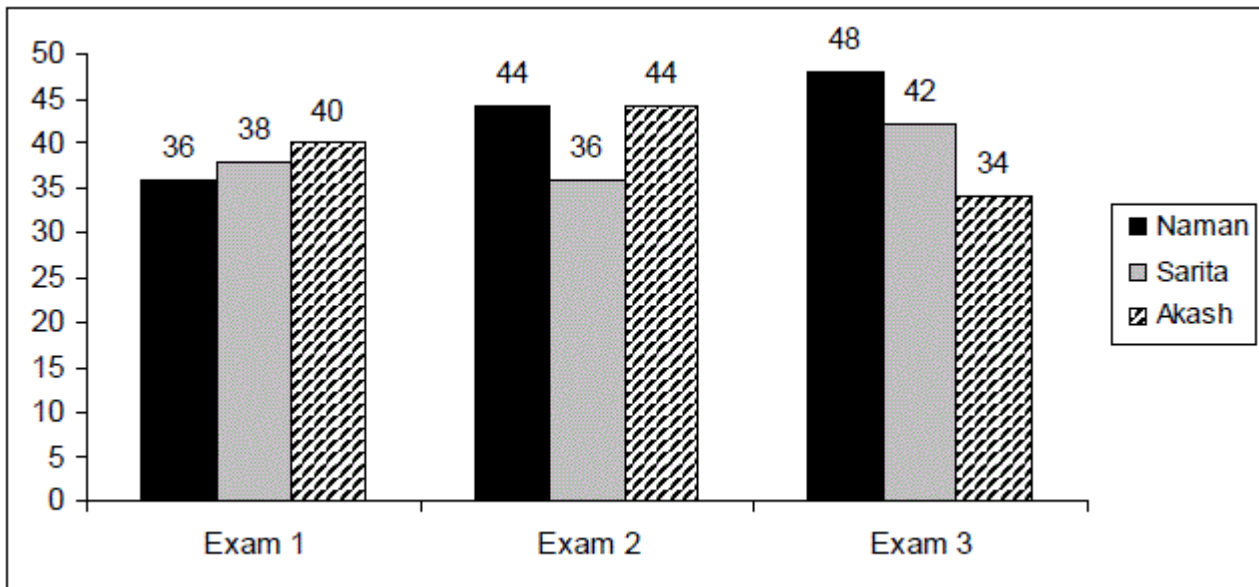
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**Directions for questions 35 to 38:** Answer the questions on the basis of the information given below.

There are three friends named as Naman, Sarita, and Akash. They appeared for the three exams - EXAM – 1, Exam – 2, and EXAM – 3. In each of the three exams there were 50 questions. The table given below tells about the number of questions attempted by the three students in each of the three exams.



Some other information about the three exams is as under.

- (i) Each correct question fetches 2 marks in each exam..
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- (iii) For every not-attempted question 0 marks were awarded..
- (iv) All the 3 friends got same total marks in the three exams together..

**Q.38 [11594329]**

What are the lowest possible marks scored by a friend in the three exams together?

1 ☐ -116

2 ☐ -114

3 ☐ -77

4 ☐ -74

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**Directions for questions 39 to 42:** Answer the question on the basis of the information given below.

In a ladies club of 'Vrindavan society', there are ten groups of four members each. Fatima, Mahira, Swara and Dina, all are the members of one of such groups. The ages (in years) of Fatima, Mahira, Swara and Dina, in given order, are in the descending order and further all ages are different natural numbers greater than 10. All the four members were spotted at a kitty party with each of them wearing a saree of different types among Kanjeevaram, Banarasi, Paithani and Chanderi, not necessarily in the same order. Each of them was enquired about the ages of the remaining three persons of their group, for which, their replies were as follows.

Person wearing a Kanjeevaram: The sum of the ages of all the others is 120 years.

Person wearing a Banarasi: The sum of the ages of all the others is 100 years.

Person wearing a Paithani: The sum of the ages of all the others is 110 years.

Person wearing a Chanderi: The sum of the ages of all the others is 140 years.

It later turned out that all of them made the right statement except one who made an error of 10 while adding the ages.

**Q.39 [11594329]**

Mahira was wearing a saree of which type?

1 ☐ Kanjeevaram

2 ☐ Banarasi

3 ☐ Paithani

4 ☐ Chanderi



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**Directions for questions 39 to 42:** Answer the question on the basis of the information given below.

In a ladies club of 'Vrindavan society', there are ten groups of four members each. Fatima, Mahira, Swara and Dina, all are the members of one of such groups. The ages (in years) of Fatima, Mahira, Swara and Dina, in given order, are in the descending order and further all ages are different natural numbers greater than 10. All the four members were spotted at a kitty party with each of them wearing a saree of different types among Kanjeevaram, Banarasi, Paithani and Chanderi, not necessarily in the same order. Each of them was enquired about the ages of the remaining three persons of their group, for which, their replies were as follows.

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Person wearing a Banarasi: The sum of the ages of all the others is 100 years.

Person wearing a Paithani: The sum of the ages of all the others is 110 years.

Person wearing a Chanderi: The sum of the ages of all the others is 140 years.

It later turned out that all of them made the right statement except one who made an error of 10 while adding the ages.

**Q.40 [11594329]**

What was the age (in years) of Fatima?



Answer key/Solution

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**Directions for questions 39 to 42:** Answer the question on the basis of the information given below.

In a ladies club of 'Vrindavan society', there are ten groups of four members each. Fatima, Mahira, Swara and Dina, all are the members of one of such groups. The ages (in years) of Fatima, Mahira, Swara and Dina, in given order, are in the descending order and further all ages are different natural numbers greater than 10. All the four members were spotted at a kitty party with each of them wearing a saree of different types among Kanjeevaram, Banarasi, Paithani and Chanderi, not necessarily in the same order. Each of them was enquired about the ages of the remaining three persons of their group, for which, their replies were as follows.

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Person wearing a Paithani: The sum of the ages of all the others is 110 years.

Person wearing a Chanderi: The sum of the ages of all the others is 140 years.

It later turned out that all of them made the right statement except one who made an error of 10 while adding the ages.

**Q.41 [11594329]**

Who has done the error while adding the ages?

---

1 ☐ Fatima

---

2 ☐ Dina

---

3 ☐ Swara

---

4 ☐ Mahira

---

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**Directions for questions 39 to 42:** Answer the question on the basis of the information given below.

In a ladies club of 'Vrindavan society', there are ten groups of four members each. Fatima, Mahira, Swara and Dina, all are the members of one of such groups. The ages (in years) of Fatima, Mahira, Swara and Dina, in given order, are in the descending order and further all ages are different natural numbers greater than 10. All the four members were spotted at a kitty party with each of them wearing a saree of different types among Kanjeevaram, Banarasi, Paithani and Chanderi, not necessarily in the same order. Each of them was enquired about the ages of the remaining three persons of their group, for which, their replies were as follows.

Person wearing a Kanjeevaram: The sum of the ages of all the others is 120 years.

Person wearing a Banarasi: The sum of the ages of all the others is 100 years.

Person wearing a Paithani: The sum of the ages of all the others is 110 years.

Person wearing a Chanderi: The sum of the ages of all the others is 140 years.

It later turned out that all of them made the right statement except one who made an error of 10 while adding the ages.

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**Q.42 [11594329]**

After how many years would Swara be as old as what Mahira is now?

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🔍 Answer key/Solution

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**Directions for questions 43 to 46:** Answer the questions on the basis of the information given below.

Six horses entered in a race. Their names are "Ajay", "Bijay", "Chapal", "Dhananjay", "Fankaar", and "Gatimaan". The starting gates in a row are numbered consecutively from 1 to 7. Seven jockeys, numbered from 1 to 7, are eligible to ride in the race. Every jockey's number corresponds to the number of his starting gate, if he is assigned a horse. Exactly one jockey will not be assigned a horse and the starting gate corresponding to that jockey will remain vacant for the race.

The following information is provided about the race:

- (i) Either Ajay or Chapal must be ridden by Jockey 1.
- (ii) Fankaar must be ridden by either Jockey 4 or Jockey 5.
- (iii) Bijay and Fankaar must have at least one horse between them separating the two of them in the starting gate.
- (iv) Chapal must run from a starting gate position with a lower number than the starting gate position from which Gatimaan runs.

**Q.43 [11594329]**

If in the race, jockeys finish in the order of 6, 5, 4, 3, 2, 1, (6 being the first and 1 being the last) and if Bijay is the horse that wins the race, then which of the following horses could not have been among the top three finishers?

1 ☐ Dhananjay

2 ☐ Chapal

3 ☐ Fankaar

4 ☐ Gatimaan

 Answer key/Solution

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**Directions for questions 43 to 46:** Answer the questions on the basis of the information given below.

Six horses entered in a race. Their names are "Ajay", "Bijay", "Chapal", "Dhananjay", "Fankaar", and "Gatimaan". The starting gates in a row are numbered consecutively from 1 to 7. Seven jockeys, numbered from 1 to 7, are eligible to ride in the race. Every jockey's number corresponds to the number of his starting gate, if he is assigned a horse. Exactly one jockey will not be assigned a horse and the starting gate corresponding to that jockey will remain vacant for the race.

The following information is provided about the race:

- (i) Either Ajay or Chapal must be ridden by Jockey 1.
- (ii) Fankaar must be ridden by either Jockey 4 or Jockey 5.
- (iii) Bijay and Fankaar must have at least one horse between them separating the two of them in the starting gate.
- (iv) Chapal must run from a starting gate position with a lower number than the starting gate position from which Gatimaan runs.

**Q.44 [11594329]**

If Jockey 5 is not assigned to any horse, then which of the following could be a possible pair?

1 ☐ Ajay - Jockey 4

2 ☐ Bijay - Jockey 6

3 ☐ Gatimaan - Jockey 6

4 ☐ Chapal - Jockey 7

 **Answer key/Solution**

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**Directions for questions 43 to 46:** Answer the questions on the basis of the information given below.

Six horses entered in a race. Their names are "Ajay", "Bijay", "Chapal", "Dhananjay", "Fankaar", and "Gatimaan". The starting gates in a row are numbered consecutively from 1 to 7. Seven jockeys, numbered from 1 to 7, are eligible to ride in the race. Every jockey's number corresponds to the number of his starting gate, if he is assigned a horse. Exactly one jockey will not be assigned a horse and the starting gate corresponding to that jockey will remain vacant for the race.

The following information is provided about the race:

- (i) Either Ajay or Chapal must be ridden by Jockey 1.
- (ii) Fankaar must be ridden by either Jockey 4 or Jockey 5.
- (iii) Bijay and Fankaar must have at least one horse between them separating the two of them in the starting gate.
- (iv) Chapal must run from a starting gate position with a lower number than the starting gate position from which Gatimaan runs.

**Q.45 [11594329]**

If Dhananjay is unable to run the race and no replacement horse is found, and if the jockeys that finish the race, from first to last, is in the order of 1, 2, 4, 6 and 7, which of the following must have finished last in the race?

1 ☐ Ajay

2 ☐ Bijay

3 ☐ Chapal

4 ☐ Fankaar

 **Answer key/Solution**

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**Directions for questions 43 to 46:** Answer the questions on the basis of the information given below.

Six horses entered in a race. Their names are "Ajay", "Bijay", "Chapal", "Dhananjay", "Fankaar", and "Gatimaan". The starting gates in a row are numbered consecutively from 1 to 7. Seven jockeys, numbered from 1 to 7, are eligible to ride in the race. Every jockey's number corresponds to the number of his starting gate, if he is assigned a horse. Exactly one jockey will not be assigned a horse and the starting gate corresponding to that jockey will remain vacant for the race.

The following information is provided about the race:

- (i) Either Ajay or Chapal must be ridden by Jockey 1.
- (ii) Fankaar must be ridden by either Jockey 4 or Jockey 5.
- (iii) Bijay and Fankaar must have at least one horse between them separating the two of them in the starting gate.
- (iv) Chapal must run from a starting gate position with a lower number than the starting gate position from which Gatimaan runs.

**Q.46 [11594329]**

If Chapal runs from starting gate 5 and starting gate 6 is vacant, which of the following is a correct pair?

1 ☐ Gatimaan - gate 2

2 ☐ Ajay - gate 2

3 ☐ Fankaar - gate 3

4 ☐ Dhananjay - gate 3

 **Answer key/Solution**

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**Directions for questions 47 to 50:** Answer the questions on the basis of the information given below.

In an online game "Smart Cricket Live", two players can play simultaneously. Both of them bat for 3 overs of 6 balls each on their respective screens simultaneously. They can score runs in the form of 1's, 2's, 3's, 4's and 6's. If a player misses a ball there are two possibilities, either the ball hits the wicket or not. If the ball hits the wicket, there is a penalty of 5 runs (i.e., 5 runs are deducted from total runs) and if the ball does not hit the wicket, 0 runs are scored. There are no catching fielders except a bowler and the player who is batting.

Given below is some partial data about the three overs faced by the two players namely Player1 (P1) and Player2 (P2):

Over1:		Ball 1	Ball 2	Ball 3	Ball 4	Ball 5	Ball 6
	P1	2			6		0
	P2	3	1			0	

Over2:		Ball 1	Ball 2	Ball 3	Ball 4	Ball 5	Ball 6
	P1		0	4	4		2
	P2	6		1	1		

Over3:		Ball 1	Ball 2	Ball 3	Ball 4	Ball 5	Ball 6
	P1	0	2		2		2
	P2	1		3		4	4

Additional information is as follows:

- In the 3rd over, player 1 has scored more runs than player 2.
- Player 2 has hit a 6 in the last ball of the 2nd over.
- Both the players have scored 24 runs through 6's.
- Both the players have got exactly 1 penalty throughout the game and that too in the same over and in the same ball.
- Both the players have hit a hat trick of 4's (i.e., three consecutive 4's in three consecutive balls) exactly once in the game.
- The number of 4's hit by Player 1 and Player 2 in the 2nd over is in the ratio of 2:1.

**Q.47 [11594329]**

What is the number of runs scored by Player 2 in the 3rd over?

1 ☐ 16

2 ☐ 18

3 ☐ 17

4 ☐ Either (1) or (3)

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**Directions for questions 47 to 50:** Answer the questions on the basis of the information given below.

In an online game "Smart Cricket Live", two players can play simultaneously. Both of them bat for 3 overs of 6 balls each on their respective screens simultaneously. They can score runs in the form of 1's, 2's, 3's, 4's and 6's. If a player misses a ball there are two possibilities, either the ball hits the wicket or not. If the ball hits the wicket, there is a penalty of 5 runs (i.e., 5 runs are deducted from total runs) and if the ball does not hit the wicket, 0 runs are scored. There are no catching fielders except a bowler and the player who is batting. Given below is some partial data about the three overs faced by the two players namely Player1 (P1) and Player2 (P2):

Over1:		Ball 1	Ball 2	Ball 3	Ball 4	Ball 5	Ball 6
	P1	2			6		0
	P2	3	1			0	
Over2:		Ball 1	Ball 2	Ball 3	Ball 4	Ball 5	Ball 6
	P1		0	4	4		2
	P2	6		1	1		
Over3:		Ball 1	Ball 2	Ball 3	Ball 4	Ball 5	Ball 6
	P1	0	2		2		2
	P2	1		3		4	4

Additional information is as follows:

- In the 3rd over, player 1 has scored more runs than player 2.
- Player 2 has hit a 6 in the last ball of the 2nd over.
- Both the players have scored 24 runs through 6's.
- Both the players have got exactly 1 penalty throughout the game and that too in the same over and in the same ball.
- Both the players have hit a hat trick of 4's (i.e., three consecutive 4's in three consecutive balls) exactly once in the game.
- The number of 4's hit by Player 1 and Player 2 in the 2nd over is in the ratio of 2:1.

#### Q.48 [11594329]

What is the absolute difference between the total number of runs scored by player 1 and player 2 in the 2nd over?

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**Directions for questions 47 to 50:** Answer the questions on the basis of the information given below.

In an online game "Smart Cricket Live", two players can play simultaneously. Both of them bat for 3 overs of 6 balls each on their respective screens simultaneously. They can score runs in the form of 1's, 2's, 3's, 4's and 6's. If a player misses a ball there are two possibilities, either the ball hits the wicket or not. If the ball hits the wicket, there is a penalty of 5 runs (i.e., 5 runs are deducted from total runs) and if the ball does not hit the wicket, 0 runs are scored. There are no catching fielders except a bowler and the player who is batting. Given below is some partial data about the three overs faced by the two players namely Player1 (P1) and Player2 (P2):

Over1:		Ball 1	Ball 2	Ball 3	Ball 4	Ball 5	Ball 6
	P1	2			6		0
	P2	3	1			0	
Over2:		Ball 1	Ball 2	Ball 3	Ball 4	Ball 5	Ball 6
	P1		0	4	4		2
	P2	6		1	1		
Over3:		Ball 1	Ball 2	Ball 3	Ball 4	Ball 5	Ball 6
	P1	0	2		2		2
	P2	1		3		4	4

Additional information is as follows:

- In the 3rd over, player 1 has scored more runs than player 2.
- Player 2 has hit a 6 in the last ball of the 2nd over.
- Both the players have scored 24 runs through 6's.
- Both the players have got exactly 1 penalty throughout the game and that too in the same over and in the same ball.
- Both the players have hit a hat trick of 4's (i.e., three consecutive 4's in three consecutive balls) exactly once in the game.
- The number of 4's hit by Player 1 and Player 2 in the 2nd over is in the ratio of 2:1.

#### Q.49 [11594329]

How many 6's are hit by player1 in the 1st over?

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**Directions for questions 47 to 50:** Answer the questions on the basis of the information given below.

In an online game "Smart Cricket Live", two players can play simultaneously. Both of them bat for 3 overs of 6 balls each on their respective screens simultaneously. They can score runs in the form of 1's, 2's, 3's, 4's and 6's. If a player misses a ball there are two possibilities, either the ball hits the wicket or not. If the ball hits the wicket, there is a penalty of 5 runs (i.e., 5 runs are deducted from total runs) and if the ball does not hit the wicket, 0 runs are scored. There are no catching fielders except a bowler and the player who is batting. Given below is some partial data about the three overs faced by the two players namely Player1 (P1) and Player2 (P2):

Over1:

	Ball 1	Ball 2	Ball 3	Ball 4	Ball 5	Ball 6
P1	2			6		0
P2	3	1			0	

Over2:

	Ball 1	Ball 2	Ball 3	Ball 4	Ball 5	Ball 6
P1		0	4	4		2
P2	6		1	1		

Over3:

	Ball 1	Ball 2	Ball 3	Ball 4	Ball 5	Ball 6
P1	0	2		2		2
P2	1		3		4	4

Additional information is as follows:

- In the 3rd over, player 1 has scored more runs than player 2.
- Player 2 has hit a 6 in the last ball of the 2nd over.
- Both the players have scored 24 runs through 6's.
- Both the players have got exactly 1 penalty throughout the game and that too in the same over and in the same ball.
- Both the players have hit a hat trick of 4's (i.e., three consecutive 4's in three consecutive balls) exactly once in the game.
- The number of 4's hit by Player 1 and Player 2 in the 2nd over is in the ratio of 2:1.

**Q.50 [11594329]**

If both the players scored below 50 in the match, then which of the following statements could be true?

- I. Player 1 has scored more runs than Player 2 in the match.
- II. There are exactly 2 balls in the 1st over in which player 1 scored 0.
- III. Both have scored equal number of runs.
- IV. Player 2 has hit a six in every over.

1 ☐ I and III

2 ☐ II and IV

3 ☐ I, II and III

4 ☐ II and III

 Answer key/Solution

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**Sec 3****Q.51 [11594329]**

How many real value/s of x are satisfying the equation  $\left(\log_{10}\left(\frac{x-5}{x-3}\right)\right)^{x^2-7x+12} = 1$ ?

1 ☐ 0

2 ☐ 1

3 ☐ 2

4 ☐ More than 2

 Answer key/Solution

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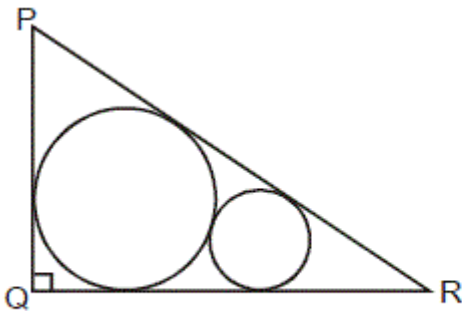
**Q.52 [11594329]**

A 3-digit number, with all its digits as natural numbers, is 396 more than the 3-digit number formed by reversing the order of its digits. If the tens digit of the number is more than its hundreds digit, then how many such numbers are possible?

[🔍 Answer key/Solution](#)

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**Q.53 [11594329]**

In a right angled  $\Delta PQR$ ,  $PQ = 3.6$  units and  $QR$  is 4.8 units. If the area of the smaller circle is 25% of the area of the bigger circle, then find the radius of the smaller circle.

1 ☐ 0.4 units2 ☐ 0.5 units3 ☐ 0.2 units4 ☐ 0.6 units[🔍 Answer key/Solution](#)

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**Q.54 [11594329]**

Let  $P = \frac{1}{20}(a_1 + a_2 + \dots + a_{20})$  and  $q = (a_1 - 1) + (a_2 - 2) + \dots + (a_{20} - 20)$ , where  $a_i = i + \frac{1}{2}$ , then what is the value of  $|q - p|$ ?

[🔍 Answer key/Solution](#)

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**Q.55 [11594329]**

It is given that,  $\text{LCM}(p, q) = 3^4 \times 5^3 \times 7^5$  and  $\text{LCM}(125p, 81q) = 3^4 \times 5^3 \times 7^5$ . If  $p$  and  $q$  are natural numbers, then how many values can 'p' take?

1 ☐ 122 ☐ 63 ☐ 304 ☐ 1[🔍 Answer key/Solution](#)

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**Q.56 [11594329]**

If  $p$  and  $q$  are the roots of  $ax^2 + bx + c = 0$  and  $p^3$  and  $q^3$  are the roots of  $1728x^2 - 91x + 1 = 0$ , then find the sum of roots of the equation  $cx^2 + bx + a = 0$ .

1 ☐ 42 ☐ 53 ☐ 64 ☐ 7[🔍 Answer key/Solution](#)

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**Q.57 [11594329]**

Box A contains 25% more balls than Box B, Box C contains 20% more balls than Box D and Box B contains 10% less balls than Box D. Exactly two balls from Box A is transferred to Box D, due to which Box D will have 10 more balls than Box B. How many balls are there in Box A and Box C together, after the transfer?

1 ☐ 1842 ☐ 1763 ☐ 1524 ☐ 168[🔍 Answer key/Solution](#)

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**Q.58 [11594329]**

If  $f(x + y) = f(x) + f(y) + f(x)f(y)$  for all real values of  $x$  and  $y$  except 0 and  $f(1) = 1$ , then find the value of  $f(12)$ .

1 ☐ 20472 ☐ 40953 ☐ 18844 ☐ 8191[🔍 Answer key/Solution](#)

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**Q.59 [11594329]**

Given that the area of a regular hexagon is  $18\sqrt{3}$  and its inradius and circumradius are  $r$  and  $R$ , respectively. Find the value of the expression  $R^2 + 3r$ .

[🔍 Answer key/Solution](#)[Bookmark](#)[FeedBack](#)**Q.60 [11594329]**

Raghu noticed that an incense stick of 10 cm long burns at the uniform rate of 4 cm in 4 hours and another incense stick of 12 cm long burns at the uniform rate of 4 cm in 3 hours. If Raghu lightens both the incense sticks at exact 11.00 AM, then at what time both the incense sticks remain equal in length after burning for a few hours?

1 ☐ 03.00 PM2 ☐ 04.00 PM3 ☐ 05.00 PM4 ☐ 06.00 PM[🔍 Answer key/Solution](#)[Bookmark](#)[FeedBack](#)**Q.61 [11594329]**

Ajit and Baljit start running from the same point at the same time in the same direction, around a circular track. Their second meeting point is at the distance of 200 meters from the starting point, and the whole circular track is of 400 meters (in length). Which of the following could not be the time after the start when their first meeting takes place, if the speed of Ajit is 20 m/s?

1 ☐ 15 sec2 ☐ 25 sec3 ☐ 30 sec

4 ○ 35 sec

[🔍 Answer key/Solution](#)[Bookmark](#)[FeedBack](#)**Q.62 [11594329]**

Anju can paint a certain wall in 30 minutes and Sanju can do it in 50 minutes. Anju starts painting the wall, after five minutes Sanju joins her. After few more minutes, Manju joins them and they together finish the remaining work. If Manju has done  $\frac{1}{5}$ th of the total work, then find the approximate time (in minutes) taken to complete the total work.

1 ○ 14

2 ○ 19

3 ○ 23

4 ○ 17

[🔍 Answer key/Solution](#)[Bookmark](#)[FeedBack](#)**Q.63 [11594329]**

Rahul and Varun appeared for the annual exams. Marks scored by Rahul in Physics, Maths and Chemistry were in the ratio of 7 : 5 : 8. Whereas marks scored by Varun in Physics, Maths and Chemistry were in the ratio of 6 : 6 : 5. If Rahul scored 180% more marks than Varun in Chemistry, then in the Maths Exam, the percentage by which Varun's marks were less than Rahul's marks is closest to

1 ○ 29

2 ○ 31

3 ○ 33

4 ○ 35



[🔍 Answer key/Solution](#)

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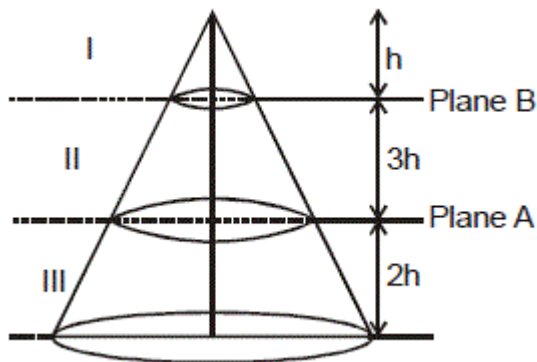
**Q.64 [11594329]**

A tomato seller sells half of his stock daily and 20% of the remaining stock gets spoiled overnight. How many tomatoes did he start with on his first day if 234 tomatoes rotted over three nights?

1 ☐ 18002 ☐ 16003 ☐ 15004 ☐ 1400[🔍 Answer key/Solution](#)

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**Q.65 [11594329]**

Two planes A and B cut a cone in three parts shown above. Find the ratio of the volume of the III part to the sum of volumes of I and II parts.

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1 ☐  $\frac{216}{65}$

---

2 ☐  $\frac{19}{8}$

---

3 ☐  $\frac{27}{8}$

---

4 ☐  $\frac{24}{7}$

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 Answer key/Solution

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**Q.66 [11594329]**

There are two cities A and B which are 150 km apart. A train T1 from city A to city B leaves city A at 12 noon and travels at 50 km/hr towards city B. Another train T2 from city A to city B leaves city A at 11:30 a.m. and travels at 20 km/hr. A third train T3 travelling with the speed of 30 km/hr, leaves city B towards city A just when train T1 crosses train T2. When will train T3 meet train T1?

---

1 ☐ 1:30 p.m.

---

2 ☐ 2 p.m.

---

3 ☐ 2:30 p.m.

---

4 ☐ None of these

---

 Answer key/Solution

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**Q.67 [11594329]**

If  $\frac{x^3(x-4)^4(x+6)^7(x+11)}{x^2(x-4)^2(x+6)^3(x+11)^4} \leq 0$ , where x is an integer, then how many values can 'x' take?

---

---

1 ☐ 11

---

2 ☐ 12

---

3 ☐ 10

---

4 ☐ 9

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 Answer key/Solution

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**Q.68 [11594329]**

Asmita sells a laptop to Beenu at 20% profit. Beenu further sells it to Chintu at 25% profit. Chintu sells it to Deepika at 30% loss. Find the absolute difference between the cost (in Rs.) incurred by Asmita and Deepika if the loss incurred by Chintu was Rs. 13,500.

✕

 Answer key/Solution

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**Q.69 [11594329]**

How many factors of 72000 will have at least two trailing zeros?

---

1 ☐ 15

---

2 ☐ 12

---

3 ☐ 18

---

4 ☐ 30

---

 Answer key/Solution

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**Q.70 [11594329]**

There are four numbers – a, b, c and d, such that a is  $\frac{1}{8}$ th of the sum of c and d, while b is  $\frac{1}{6}$ th of the sum of c and d. If a, b, c and d are increased by 6, 4, 2 and 10, respectively, then their ratio would become 1 : 1 : 5 : 5, respectively. What was the absolute difference between c and d initially?

[🔍 Answer key/Solution](#)[Bookmark](#)[FeedBack](#)**Q.71 [11594329]**

Out of 54 chocolates in a pack, 15 have nuts, 21 have caramel, and 27 have cocoa. It is also known that, 6 chocolates have all three ingredients, 5 have only caramel and cocoa, and 8 have both caramel and nuts. How many have both cocoa and nuts if 15 chocolates have neither of these three ingredients?

[🔍 Answer key/Solution](#)[Bookmark](#)[FeedBack](#)**Q.72 [11594329]**

If the value of  $a^3b^2 = \frac{2}{3}$  and  $a^4b^5 = \frac{3}{2}$ , then the value of  $(a + b)$  is

1 ☐  $\frac{13}{4}$

2 ☐  $\frac{7}{6}$

3 ☐  $\frac{13}{6}$

4 ☐  $\frac{19}{6}$

[🔍 Answer key/Solution](#)[Bookmark](#)[FeedBack](#)**Q.73 [11594329]**

Sameer has to pay Rs. 4,356 to Raman, 2 years later at 10% compound interest per annum, and Vineet has to pay Raman the same amount at 12% simple interest per annum after certain years. If both took the same amount of loan from Raman, then Vineet paid loan after how many years?

1 ☐ 3/2 years2 ☐ 5/2 years3 ☐ 7/4 years4 ☐ 9/4 years[🔍 Answer key/Solution](#)[Bookmark](#)[FeedBack](#)**Q.74 [11594329]**

A trader bought two equal lots (in equal weight) of lemons, one at the rate of Rs. 60 per 2.4 kg and the other at the rate of Rs. 70 per 1.4 kg. The trader then sold the two lots at the rate of Rs. 42 per 1.5 kg and Rs. 64 for Rs. 1.6 kg, respectively. What percentage profit/loss was incurred in the transaction?

1 ☐ 9.33%2 ☐ 11.11%3 ☐ 16.66%4 ☐ 22%



[🔍 Answer key/Solution](#)[Bookmark](#)[FeedBack](#)**Q.75 [11594329]**

Ten men and 20 women can complete a job in 30 days, working together with their usual efficiency. If 10 men work with twice of their usual efficiency and 20 women work with half of their usual efficiency, then the same job can be completed in 20 days. In how many days would 10 women complete the same job, working with their usual efficiency?

[🔍 Answer key/Solution](#)[Bookmark](#)[FeedBack](#)