

TSA Week 9 - Sunday Group 27/06/2021

Question One (49)

One often hears that this or that action is justified or unjustified morally on the grounds that it is 'natural' or 'unnatural'. To say that something is 'natural' is really just to say that this is how things happen to be. Yet just because something happens to be the case, it doesn't mean that it ought to be the case. After all, there are plenty of things in life that are natural – for instance illness and disease, droughts and earthquakes; even emotions such as aggression, jealousy, anger and a desire for revenge. This does not mean that they are to be encouraged or welcomed. To say of something that it is natural, or unnatural, is not to provide anything by way of moral justification.

Which one of the following illustrates the principle used in the above argument?

- A The fact that human beings have a tendency to be competitive does not mean that this should be encouraged in schools.
- B The fact that someone believes that human beings ought always to behave ethically does not mean that they actually will.
- C The fact that some countries have laws protecting freedom of speech does not mean that all countries should.
- D The fact that some things in life are clearly unpleasant does not mean that life itself is not worth living.
- E The fact that someone thinks a particular person is not to be trusted does not mean that the person in question is indeed untrustworthy.

Question Two (48)

- 48 Trains run regularly between Ayton and Exbay, stopping at Beetown, Chalton and Deeford, according to the following timetable.

<i>Departures</i>			
Ayton	7:10	and every 40 minutes until	21:10
Beetown	7:25		21:25
Chalton	7:30		21:30
Deeford	7:44		21:44
Exbay	8:02		22:02

George lives a 14-minute walk away from Beetown station. He is going to the cinema in Exbay to watch a film that starts at 19:20. It will take him five minutes to walk from the station at Exbay to the cinema. George wants to make sure that he will miss no more than the first five minutes of the film.

What is the latest time George should leave home?

- A 17:36
- B 17:51
- C 18:05
- D 18:19
- E 18:31

Question Three (47)

The UK private security industry employs half a million people in a range of roles, including supervising public events, guarding cash in transport, and assisting police in surveillance work. Some government officials are pushing for the legal regulation of such work to be moved out of government agency control and placed in the hands of the private security companies themselves. According to these officials, self-regulation is justified on economic grounds and because of the sector's 'willingness to ... be more accountable for its own actions'. The foolishness of this argument is breathtaking. The power entrusted to these workers over valuable property – not to mention the safety of people – means that there's a fundamental need for monitoring and oversight of standards of conduct by an impartial, trustworthy source.

Which one of the following is an underlying assumption of the above argument?

- A The UK private security industry is likely to continue to grow rapidly in the near future.
- B Self-regulation of an industry is an unwise approach regardless of the sector concerned.
- C By government standards, the current regulatory system for the UK private security sector is economically efficient.
- D Many companies in the UK private security industry have a poor record when it comes to issues of professional misconduct or corruption.
- E The government agency staff are less susceptible to corrupt or unfair practices when regulating the workers than are those at the private security companies.

Question Four (46)

My dog's coat had been looking dull, so I bought some conditioning tablets. The pet shop stocks these in boxes of 300 tablets, and for a dog the size of mine the recommendation (which I have followed) is 6 tablets per day. Now, several months later, his coat is much shinier. Opening a new box of tablets today, I have decided to reduce his dosage. I shall just give him 6 tablets per day, twice a week, and on the remaining days each week he can have 4 tablets each day.

What is the maximum number of extra days that this box of conditioning tablets will now last?

- A 10 days
- B 15 days
- C 16 days
- D 24 days
- E 25 days

Question Five (45)

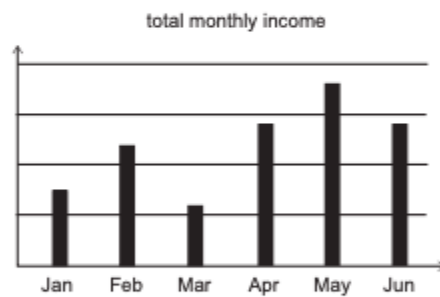
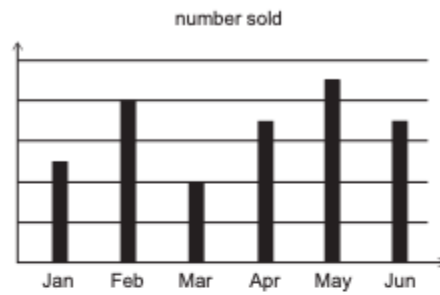
The UK is the most researched nation on Earth. Some £60 per head is spent each year on surveys, polls, consumer panels and questionnaires, more per capita than any other country, according to the Market Research Society. No wonder many Brits are suffering from survey fatigue and refuse to fill out questionnaires. This reluctance to participate is very likely to have contributed to incorrect polling predictions in several elections.

Which one of the following can be drawn as a conclusion from the above passage?

- A Opinion polls in the UK are less accurate than in other countries.
- B It is impossible to predict accurately how people will vote in a given election.
- C Survey fatigue is the main reason why polling can give inaccurate predictions.
- D More polling does not necessarily give a more accurate picture of popular opinion.
- E To get an accurate picture of people's voting intentions, we should not rely on use of a questionnaire

Question Six (44)

- 44** A store sells a particular type of television. The graphs below show the number of these televisions sold per month and the total income from their sales per month, over a six-month period.



The price at which these televisions were sold was increased at the beginning of one of the six months.

At the beginning of which month was the price increased?

- A** February
- B** March
- C** April
- D** May
- E** June

Question Seven (43)

- 43 Every Christmas the most popular children's toys become scarce. Many people turn to online auction sites to buy them instead. The table below shows the recommended retail price and the price that the listed toys have sold for online.

<i>children's toy</i>	<i>recommended retail price (\$)</i>	<i>online auction site (\$)</i>
Moshling Tree House	18.99	198.98
LeapPad Explorer	79.99	225.00
Doggie Doo	24.99	50.00
Fireman Sam Pontypandy Rescue set	29.99	59.99
Fijit Friends	54.99	99.95
Monster High Lagoon's Station	29.99	59.98
Nerf Vortex Nitron Blaster	44.99	59.99
Kidizoom Twist	49.99	65.95
Milky the Bunny	59.99	74.99
Star Wars Ultimate Force Lightsaber	39.99	49.95
Lets Rock Elmo	69.99	84.99
Ninjago Fire Temple	91.99	96.99
Sylvanian Families	79.95	192.29
Vtech Innotab	79.99	150.99
Lego Star Wars Millennium Falcon	132.99	265.98

How many of the toys above have increased in price by more than 100%?

- A 3
- B 4
- C 5
- D 6
- E 7

Question Eight (42)

42 On sports day at Thiska Academy points are awarded in each event as follows:

winner	12 points
2 nd place	8 points
3 rd place	5 points
4 th place	3 points
5 th place	1 point

Each student may enter no more than three events.

What is the smallest points total that it is **not** possible for an individual student to score?

- A 22
- B 26
- C 30
- D 33
- E 37

Question Nine (41)

Some readers think there is nothing to learn from historical fiction. Yet the historian and the writer of historical fiction can work in a way that is complementary. Historical novels can thus enrich our understanding of the past. History is a record of the past that is full of gaps. We mostly don't know what was said or how people behaved when there was no one around to record what was going on. The historian's trade is never simply about stockpiling facts. The novelist's trade is never just about making things up. Those undocumented areas of history often force us to contemplate the most private, human moments, away from the public stage, and the blank spaces they leave are irresistible to a novelist.

Which one of the following best expresses the main conclusion of the above argument?

- A Most areas of history were never documented.
- B We can never know exactly what happened in the past.
- C Historical novels can add to our understanding of the past.
- D Not everyone thinks we can learn something from historical fiction.
- E The work of the historical novelist is not just about making things up.

Question Ten (40)

What is there in the universe that we know, or have good reason to believe, to possess consciousness? Humans, and perhaps certain other animals. What do they all have in common? They are living beings, made of flesh and blood. As far as we know, nothing else in the universe contains any consciousness at all. For all the mystery of consciousness, of exactly

what it is, and of how and why it arises, there is one thing that is certain: it is a biological phenomenon. Any fears surrounding the possibility of so-called 'artificial intelligence' are therefore misplaced. If machines are not biological organisms, then they cannot have a mind. Do not expect man-made machines to be conscious – now or ever!

Which one of the following best expresses the flaw in the above argument?

- A It assumes that just because the only things we know to possess consciousness are biological organisms, they are the only things that could do.
- B It draws a general conclusion about the properties of all naturally existing objects on the basis of merely a finite selection.
- C It takes for granted that we understand exactly what it means to be conscious, when this is a vague and undefined term.
- D It fails to consider the phenomenal speed with which new developments in technology are actually occurring.
- E It ignores the possibility that some plants might possess a basic form of consciousness of their own.

Question Eleven (38)

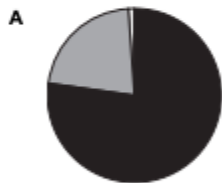
- 38 At a smoothie factory, a tropical smoothie mixture contains banana, orange and apple in the proportions shown in the pie chart below.



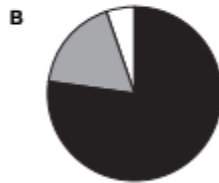
■ banana
■ orange
□ apple

The chief taster requested a new recipe, in which every litre contained 10% more banana than was present in the original mixture, and 10% less orange than was present in the original mixture. This change also affected the proportion of apple in the mixture.

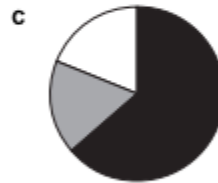
Which one of the following graphs shows the content of the new smoothie mixture?



■ banana
■ orange
□ apple



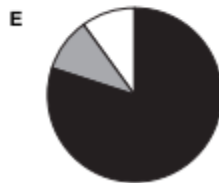
■ banana
■ orange
□ apple



■ banana
■ orange
□ apple



■ banana
■ orange
□ apple



■ banana
■ orange
□ apple

Question Twelve

What is the best way to handle those aspects of the legacy of history which we deeply regret?

Question Thirteen

Are there moral questions that science can help us to answer?