

Model Test Paper 56
General Study Paper II

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TEST BOOKLET
GENERAL STUDIES
Paper-II

D

Time Allowed : Two Hours

Maximum Marks : 200

INSTRUCTIONS

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION YOU SHOULD CHECK THAT THE TEST BOOKLET *DOES NOT* HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS, ETC, IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.
2. **Please note that it is the candidate's responsibility to encode and fill in the Roll Number and Test Booklet Series A, B, C or D carefully and without any omission or discrepancy at the appropriate place in the OMR Answer Sheet. Any omission/discrepancy will render the Answer Sheet liable for rejection.**
3. You have to enter your Roll Number on the Test Booklet in the Box provided alongside . *DO NOT* write *anything else* on the Test Booklet.
4. This Test Booklet contains **80** items (questions). Each item comprises four responses (answers). You will select the response which you want to mark on the Answer Sheet. In case you feel that there is more than one correct response, mark the response which you consider the best. In any case, choose *ONLY ONE* response for each item.
5. You have to mark all your responses *ONLY* on the separate Answer Sheet provided.
6. **All** items carry equal marks.
7. Before you proceed to mark in the Answer Sheet the response to various items in the Test Booklet, you have to fill in some particulars in the Answer Sheet as per instructions sent to you with your Admission Certificate.
8. After you have completed filling in all your responses on the Answer Sheet and the examination has concluded, you should hand over to the invigilator only the *Answer Sheet*. You are permitted to take away with you the Test Booklet.
9. Sheets for rough work are appended in the Test Booklet at the end.
10. **Penalty for wrong Answers :**
THERE WILL BE PENALTY FOR WRONG ANSWERS MARKED BY A CANDIDATE IN THE OBJECTIVE TYPE QUESTION PAPERS.
(i) There are four alternatives for the answer to every question. For each question for which a wrong answer has been given by the candidate, **one-third** of the marks assigned to that question will be deducted as penalty.
(ii) If a candidate gives more than one answer, it will be treated as a **wrong answer** even if one of the given answers happens to be correct and there will be same penalty as above to that question.
(iii) If a question is left blank, i.e., no answer is given by the candidate, there will be **no penalty** for that question.

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However, despite the beliefs of these 17-21 million people, there is no evidence that accidents are more likely to happen on Friday the 13th. On the contrary, some studies have shown there are actually fewer accidents on Friday the 13th. A recent report completed by a Dutch insurance company showed that there were fewer incidents of fires and theft on Fridays that fell on the 13th than on any other Fridays in the same year. It is highly probable that this reduction in accidents owes itself to the fear of Friday the 13th itself. If people are more cautious on Friday the 13th, then there are likely to be fewer accidents. If, then, there is no significant evidence that Friday the 13th is any more dangerous than any other day of the year, why do friggatriskaidekaphobics remain convinced of its unluckiness? While the historical or folk traditions discussed earlier may have something to do with this belief, people may also use associational links to justify their superstitions. If a friggatriskaidekaphobic loses his wallet on Tuesday the 21st, for example, he would probably not assign any meaning to the date on which this event occurred. If the same individual lost his wallet on Friday the 13th, however, he might be likely to conclude that the inauspicious nature of Friday the 13th was at fault.

1. This passage is most likely an excerpt from

- (a) the case study of a patient suffering from friggatriskaidekaphobia
- (b) the introduction to an article about friggatriskaidekaphobia
- (c) the introduction to a study about the likelihood of accidents occurring on Friday the 13th
- (d) the conclusion of a longer work that analyzes evidence about the superstition of Friday the 13th

2. Based on information in the passage, it can be inferred that an earlier section of this passage likely

- I. featured a personal anecdote about why the author no longer believes that Friday the 13th is unlucky
- II. provided some explanations about why people might fear Friday the 13th
- III. introduced the term "friggatriskaidekaphobia"

- (a) I only
- (b) II only
- (c) I and II only
- (d) II and III only

3. Which of the following pieces of evidence, if true, would best support the author's argument in paragraph 1?

- (a) In ancient Egypt, the number 13 was actually considered lucky by the pharaohs
- (b) Major airlines report that there is no significant drop in the number of passengers who fly on Friday the 13th
- (c) Studies performed in the United Kingdom reveal that significantly fewer people choose to drive their cars to work on Friday the 13th
- (d) More traffic accidents occur on Fridays than on any other day of the week

4. According to the example presented in paragraph 2, which of the following logical fallacies is committed by the man who loses his wallet and blames Friday the 13th?

- (a) Post hoc, characterized by the argument in which two sequential events are said to be causally related, but this is not actually the case; the arguer wrongly concludes that the earlier event cause the later. That is, correlation isn't the same thing as causation
- (b) Appeal to probability, characterized by the assumption that because an event could happen, it is inevitable that it will happen
- (c) Appeal to ignorance, characterized by the supposition that, due to a lack of conclusive evidence, the conclusion of an argument should be accepted
- (d) Hasty generalization, characterized by making assumptions about a whole group or range of cases based on a sample that is inadequate (usually because it is atypical or too small)

5. As used in paragraph 2, which is the best antonym for inauspicious?

- (a) predictable
- (b) pleasant
- (c) fortunate
- (d) successful

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<p>The piranha is a much-maligned fish. Most people think that this is a deadly creature that swarms through rivers and creeks of the Amazon rainforest looking for victims to tear apart. And woe betide anyone unlucky enough to be in the same water as a shoal of piranhas. It takes only a few minutes for the vicious piranhas to reduce someone to a mere skeleton.</p> <p>The truth is that the piranha is really a much more nuanced animal than the mindless killer depicted in the media. In fact, piranhas are a group made up of approximately twelve different species. Each piranha species occupies its own ecological niche. One type of piranha takes chunks out of the fins of other fish. Another type eats fruit falling from trees into the river. Each piranha species plays a unique role in the ecology of the rainforest floodplains. So what should you do next time you hear someone talking about the “deadly piranha”? You can remind them that the piranha is not always the notorious killer fish that the tough, muscular heroes of popular nature television shows would have us believe.</p> <p>6. The primary purpose of the author is to</p> <p>(a) correct misconceptions about the piranha</p> <p>(b) illustrate the importance of piranhas in rainforest ecology</p> <p>(c) describe two different species of piranhas</p> <p>(d) instruct the reader on what to say if someone describes the piranha as “deadly”</p> <p>7. In paragraph 1, the author most likely uses the old-fashioned expression “woe betide” to</p> <p>(a) highlight the danger posed by piranhas</p> <p>(b) suggest that the reputation of the piranha is well-deserved</p> <p>(c) emphasize the sarcastic tone</p> <p>(d) indicate that the passage was written in the 19th century</p> <p>8. In paragraph 1, the author uses hyperbole—characterized by the use of exaggeration for effect—to describe the piranha. The author most likely uses hyperbole to</p> <p>(a) frame an argument that is supported in a later paragraph</p> <p>(b) create ambiguity so the reader cannot be sure which position the writer supports</p>	<p>(c) juxtapose the myth of the piranha with the truth about the fish</p> <p>(d) evoke vivid images of nature television shows in the reader’s mind</p> <p>9. As used in paragraph 2, which is the best definition for unique?</p> <p>(a) irreplaceable</p> <p>(b) important</p> <p>(c) individual</p> <p>(d) unusual</p> <p>10. As used in paragraph 2, which is the best synonym for notorious?</p> <p>(a) celebrated</p> <p>(b) disreputable</p> <p>(c) notable</p> <p>(d) renowned</p> <p>Always read the meter dials from the right to the left. This procedure is much easier, especially if any of the dial hands are near the zero mark. If the meter has two dials, and one is smaller than the other, then it is not imperative to read the smaller dial because it only registers a small amount. Read the dial at the right first. As the dial turns clockwise, always record the figure the pointer has just passed. Read the next dial to the left and record the figure it has just passed. Continue recording the figures on the dials from right to left. When finished, mark off the number of units recorded. Dials on water and gas meters usually indicate the amount each dial records.</p> <p>11. These instructions show you how to...</p> <p>(a) Read a meter</p> <p>(b) Turn the dials of a meter</p> <p>(c) Install a gas meter</p> <p>(d) Repair a water meter</p> <p>12. Always read the meter dials...</p> <p>(a) From top to bottom</p>
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<p>(b) From right to left</p> <p>(c) From left to right</p> <p>(d) From the small to the large dial</p> <p>13. As you read the first dial, record the figures...</p> <p>(a) On the smaller dial</p> <p>(b) The pointer is approaching</p> <p>(c) The pointer has just passed</p> <p>(d) At the top</p> <p>14. When you have finished reading the meter, mark off...</p> <p>(a) The number of units recorded</p> <p>(b) The figures on the small dial</p> <p>(c) The total figures</p> <p>(d) All the zero marks</p> <p>One way in which environmental authorities hope to preserve dwindling supplies of fish is through limitation of fishing rights in certain waters. An example of this can be seen in the Republic of Ireland, where the Inland Fisheries Limited (IFL), a state body established in 2010, provides advice on the conservation, protection and management of Ireland's waters. In this way, the IFL ensures that the national and local laws are observed within Ireland and a 12 mile sea perimeter.</p> <p>The position in England is however, different. There is a separation between fishing rights in open water (sea fishing) and fishing rights on non-tidal waters. At sea, anyone can fish from a boat or bank. With non-tidal waters, the owner of the land adjoining the water owns the fishing rights on his/her side of the land. However, these rights can be leased or sold.</p> <p>15. Which one of the following statements cannot correctly complete the following sentence? The fishing rights in the Republic of Ireland and England are different in that....</p> <p>(a) There is a separation between sea fishing rights and non-tidal water fishing</p> <p>(b) In Ireland, fishing rights are monitored by the IFL</p> <p>(c) In England, anyone can fish from a boat or bank on tidal waters</p>	<p>(d) In Ireland, anyone can fish from a boat or bank on tidal waters</p> <p>Cosmetics are big business. Statistics have shown that the most profitable company of 2011 was L'Oreal, who made a profit of 16.1 billion pounds. The second highest profit was reached by Estee Lauder, who made 13 billion. Such high profits are testament to the strength of this industry. In support of this, the top twenty leading cosmetic companies made a collective profit of just less than one hundred billion pounds globally. This suggests that such companies are able to achieve successful levels of profit even in times of consumer belt-tightening.</p> <p>16. Which one of the following statements is correct?</p> <p>(a) Estee Lauder reported the largest cosmetic company profit in 2011</p> <p>(b) Estee lauder reported the second largest cosmetic company profit in 2011</p> <p>(c) L'Oreal reported a profit of less than sixteen billion pounds in 2011</p> <p>(d) The twenty leading cosmetics companies profited over 100 billion pounds in the USA</p> <p>Some of the most philanthropic companies in the United States are shunning the limelight. Philanthropy can also be known as 'compassion', 'charity' and 'generosity'. Such figures are gathered and published by the Chronicle of Philanthropy. The list of charitable companies is topped by pharmaceutical companies, the lead of which is Johnson and Johnson; they far outstripped the number two spot of Merck, who gave 923 million pounds to charity in 2011. This figure is up by 12% on the figure in the year before. The Chronicle of Philanthropy notes that on average, leading companies in the US gave 1.2% of their profit to a charitable cause. However, several leading companies, including Apple and Google refused to provide information on their charitable giving.</p> <p>17. Which of the following statements cannot be learnt from the information in the passage alone?</p> <p>(a) Some companies refuse to disclose the amount they give to charity</p> <p>(b) Information on charitable giving is provided by The Chronicle of Philanthropy</p>
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<p>(c) Leading US companies gave an average of over one per cent of their profits</p> <p>(d) Johnson and Johnson gave 923 million pounds to charity last year</p> <p>In the summer of 2012 Facebook launched a real-cash gambling application developed by the London based online gambling operator Gamesys. As featured in this app, gamers will be able to play numerous online games on Facebook with the chance of winning real money. A spokesperson for the company producing the app stated "Real money gaming is a popular and well regulated activity in the UK, and we are allowing a partner to offer their games to adult users on the FACEBOOK platform in a safe and controlled manner".</p> <p>However this move has generated controversies, UK members will be able to view the app and due to the number of young and vulnerable people on Facebook in the UK, this may encourage these people to gamble. As well as age restrictions on the application, a spending limit will also be in place to prevent excessive player losses, helping to negate bosses for problem gamblers and children using their parent's money.</p> <p>18. Which one of these statements is definitely true?</p> <p>(a) The online gambling app has been banned outside the UK</p> <p>(b) Children are unable to access the real cash gambling app</p> <p>(c) The real money gaming industry in the UK is well-regulated</p> <p>(d) Problem gamblers will be prevented from utilising the app</p> <p>It was identified that in the 2008 Beijing Olympics over 50% of gold medalists from the UK were educated at private schools. Considering that only 7% of the UK population is educated at private schools, this means a disproportionate number of privately educated students are representing the UK in the Olympics. Over 30% of UK Olympians were educated privately, as was 40% of all UK medalists. This trend is particularly marked in sports such as equestrian in which every medalist was privately educated.</p>	<p>The reason for this difference is the emphasis the private school place on sport by devoting more time to sporting activities and often hiring top class coaches. To address this imbalance steps are being taken to encourage students from state education to engage in sport. A program was launched to identify and develop teenagers from comprehensive schools in the sport of rowing.</p> <p>19. Which one of the following statements is not definitely true?</p> <p>(a) 93 percent of the UK population do not attend private school</p> <p>(b) The majority of UK medalists were privately educated</p> <p>(c) Private schools devote more time to sports</p> <p>(d) Every equestrian medalist was privately educated</p> <p>Among the latest groups bothering the financial service industry of recent times are their very own shareholders. Executive pay in the financial services industry have publically generated controversy for many years, but now the shareholders have had enough, and a rise in shareholder activism attempting to lower executive pay has been seen. This sudden dissatisfaction with executive remuneration is due to the poor financial performance of the financial service industry itself.</p> <p>However despite poor financial performance and low returns to the shareholders, exuberant remuneration packages have been the norm in the financial services sector for decades, as it was believed that lowering pay will hamper performance. It seems that investors have realised that the high pay for finance executives has not improved the profitability of their respective firms, and instead has ramped up costs in a time when cost cutting is in order.</p> <p>20. Which one of the following statements is the reason for the increase in shareholder activism in the financial service industry?</p> <p>(a) Executive pay for finance executives has recently increased</p> <p>(b) Public controversy has put pressure on the shareholders</p> <p>(c) The revenues of financial services companies have lowered</p> <p>(d) High pay has not increased profitability in financial services industry</p>
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Students in the United States face a difficult decision regarding their higher education. With the global amount of student debt approaching \$1 trillion, ever increasing tuition fees are leaving graduates deeper and deeper in debt. This combined with a faltering economy and high inflation; salaries are not rising to meet this increase in tuition fees. The global amount of student debt per year has doubled in the past decade and students are beginning to question the utility and return on investment of higher education.

When comparing the education system in Germany to the USA, fewer students attend university in favour of vocational training and apprenticeship, and we see lower levels of student debt and higher youth employment. As tuition fees continue to outstrip graduate starting salaries it is possible that demand for university degrees may decrease, and a subsequent increase in apprenticeships and opportunities for school leavers may increase.

21. Which statement cannot be learned based on the information in the passage?

- (a) The total amount of student debt each year has doubled in the past 10 years
- (b) Germany has lower youth employment than the USA
- (c) The world level of student debt is almost \$1 trillion
- (d) Increasing the number of apprenticeships will decrease total student loan debt

Although often considered a trivial and mundane aspect of corporate affairs, designing a logo for a global company can be an extremely expensive, thorough process, or a cheap and convenient one. At the extreme end, the oil and gas company BP spent over \$200,000,000 designing and developing their logo. Similarly the management consultancy and IT company Accenture spent \$100,000,000 on their logo.

However at the other end of the spectrum, the internet services company Google didn't spend a penny on their logo, instead the founding member Sergey Brin designed it himself. Similarly the Coca-Cola logo was simply the formal hand written style used at the time of Coca-Cola's inception and never required an extensive design. The Nike logo cost the company 500 shares of stock to design, which at the time was worth \$35, but would be worth \$600,000 today.

22. Which of the following statements is definitely true based on the passage of information?

- (a) The Nike logo cost \$35 cash
- (b) The Google logo cost less to produce than the Coca-Cola logo
- (c) Accenture spent less money on their logo than BP
- (d) BP holds the record for most expensive logo

Socially responsible investing is an important hot topic of discussion in the financial world at present. Socially responsible investing itself is an obligation by a financial services organisation to commit to ethical investments. It is part of a movement calling for greater corporate social responsibility. Frequently such investments may include environmentally friendly technologies, companies with good human rights track records and companies with good consumer protection histories. Similarly socially responsible investing may call for a decrease in investment in areas such as weapons technology, tobacco and gambling.

The question at the heart of this discussion is should the financial services industry be obliged, either by their own shareholders or by customers to undertake such an investment strategy? On one hand it is argued that socially responsible investing can help improve the environment, local communities and other important social causes. However it is also argued that socially responsible investing may be less profitable, and organisations which undertake this strategy risk being out competed by organisations not obliged to undertake these measures.

23. Which one of the following statements best completes the sentence? Socially responsible investing may lead to...

- (a) lower profits in the financial services industry
- (b) decreases in revenues in the weapons, tobacco and gambling industries
- (c) decreases in revenues in the financial services industry
- (d) increased public awareness of environmental issues

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<p>In the United Kingdom, a common method of resolving serious employee disputes is through an employee tribunal, which are non-governmental public bodies which hear many kinds of employee-employer disputes. The most common disputes in employee tribunals are unfair dismissal, redundancy payments and employment discrimination. One benefit of employee tribunals is that they provide an impartial, neutral alternative to internal investigations undertaken within organisations. However a common criticism of employee tribunals is that they frequently favour the organisation rather than the employee, as the organisation will frequently have human resources/legal professionals who are more adept with employment law than the employee making the claim.</p> <p>24. Which statement best finishes the sentence? Employee tribunals are....</p> <p>(a) Government public bodies</p> <p>(b) Run by the ministry of justice</p> <p>(c) Non-governmental public bodies</p> <p>(d) Internal investigations within organisations</p> <p>Gross domestic product (GDP) is a measure of the size of a country's economy. It is measured by calculating the total number of goods and services produced by a country within a given period. GDP per capita is the GDP divided by the number of people in that country, and is frequently considered an indicator of a country's standard of living.</p> <p>The use of GDP and GDP per capita as a measure of standard of living and economic success has been controversial as these measures do not provide an indication of other important factors. For example, GDP per capita does not take into account equality, personal income or personal debt. Similarly GDP does not measure innovation, environmental record and quality of life.</p> <p>Instead the human development index (HDI) is often used to gauge a country's quality of life and standard of living by assessing numerous factors, rather than simply measuring the country's GDP and making assumptions.</p> <p>25. What is the gross GDP per capita considered to be an indicator of?</p> <p>(a) The size of the economy</p> <p>(b) A country's standard of living</p>	<p>(c) A country's innovation and quality of life</p> <p>(d) The number of people in the country</p> <p>Special economic zones are geographical regions that operate under more free market oriented laws than the rest of that country. IN these zones, particular taxes may not be levied, decreased regulation may be present and international tariffs may be decreased/not required. The function of these zones is to increase foreign investment, develop infrastructure or to increase employment opportunities in that area. Numerous countries employ the use of special economic zones including Russia, China, India, South Korea and many others.</p> <p>26. Which one of the following statements is definitely true?</p> <p>(a) Special economic zones are used to increase employment</p> <p>(b) Special economic zones are used to improve quality of life</p> <p>(c) Special economic zones are used to improve foreign relations</p> <p>(d) Special economic zones are used by the European union</p> <p>The people's republic of China has enjoyed a rapidly growing economy for decades, with China's export market the key factor in its economic success. However recently economic growth, import and export growth have been declining and are at their lowest rates since the late 2000 economic crisis. These may be indications of a slowing economy, which could spell disaster for the People's Republic, which have set their sights at competing with America for economic superpower status. It is possible that the increase in living standards and wages throughout China has increased the prices of its exports, making them less financially desirable. Only time will tell if the world's second largest economy still has the steam to maintain high rates of growth.</p> <p>27. What is the suggested reason for China's slowed growth?</p> <p>(a) The Eurozone debt crisis</p> <p>(b) Increase in wages</p> <p>(c) The late 2000 economic crisis</p> <p>(d) Competition with America</p>
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<p>The Umayyad Caliphate was the second of the four major Islamic caliphates. It was ruled by the Umayyad dynasty, whose name derives from Umayyad Ibn Shams, the great-grandfather of the first Umayyad caliph. Although the Umayyad family originally came from the city of Mecca, their capital was Damascus, Syria. At its largest, the Umayyad caliphate covered more than five million square miles, making it one of history's largest empires and home to 28.8% of the world's population. After the Umayyad dynasty was overthrown, they fled to North Africa where they established the Caliphate of Cordoba</p> <p>28. Which one of the following best replaces "derives" while maintaining the meaning of the sentence?</p> <p>(a) Transpired (b) Originates (c) Draws (d) Develops</p> <p>29. Which one of the following best replaces "established" while maintaining the meaning of the sentence?</p> <p>(a) Founded (b) Built (c) Invented (d) Instigated</p> <p>An Atoll is a coral island that encircles a lagoon, either partially or completely. Atolls are formed through the extinction of volcanic islands. As the island and the ocean floor subside, coral growth builds a fringing reef, often including a shallow lagoon between the land and the main reef. As the subsiding continues, the fringing reef becomes larger, with a bigger and deeper lagoon inside. Eventually, the island sinks below the sea level and the barrier reef becomes an atoll, enclosing the open lagoon.</p> <p>30. Which one of the following best replaces "encircles" while maintaining the meaning of the sentence?</p> <p>(a) Consumes (b) Surrounds (c) Encapsulates (d) Milieus</p>	<p>31. Which one of the following best replaces "subsiding" while maintaining the meaning of the sentence?</p> <p>(a) Sagging (b) Subsidence (c) Settling (d) Collapsing</p> <p>32. Three of the following four are alike in a certain way and so form a group. Which is the one that does not belong to that group?</p> <p>(a) Green (b) Red (c) Colour (d) Orange</p> <p>33. Almost all roaches are disease-filled. The local garbage pit is overrun with millions of roaches. Which of the following is true?</p> <p>(a) There are some disease-free roaches in the garbage pit (b) The garbage pit is completely free of disease (c) The garbage pit is disease-filled. (d) The garbage pit is likely to be disease-filled</p> <p>34. No bankers ever eat cake for dinner. Some people who do not eat cake for dinner have excellent teeth. Bill never eats cake for dinner. Which of the following is true?</p> <p>(a) Bill is a banker. (b) Bill might be a banker and has excellent teeth. (c) Bill has excellent teeth. (d) Bill might have excellent teeth</p> <p>35. Jeremy is taller than Jean. John is shorter than Jeremy. John is shorter than Jean. If the first two sentences are true, the third is _____.</p> <p>(a) uncertain</p>
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<p>(b) true (c) false (d)</p> <p>36. Thomas is smarter than Luca. Luca is smarter than John. John is smarter than Thomas. If the first two sentences are true, the third is _____.</p> <p>(a) uncertain (b) true (c) false (d)</p> <p>37. Baruch is weirder than Frederick. Frederick is weirder than Arthur. Baruch is weirder than Arthur. If the first two sentences are true, the third is _____.</p> <p>(a) uncertain (b) true (c) false (d)</p> <p>38. Godfrey is more unknown than Henry. Henry is better known than Giles. Giles is more unknown than Godfrey. If the first two sentences are true, the third is _____.</p> <p>(a) false (b) true (c) uncertain (d)</p> <p>39. Fact 1: Eyeglass frames cost between \$35 and \$350 Fact 2: Some eyeglass frames are made of titanium Fact 3: Some eyeglass frames are made of plastic</p> <p>If the first three statements are facts, which of the following statements must also be a fact?</p> <p>I: Titanium eyeglass frames cost more than plastic frames II: Expensive eyeglass frames last longer than cheap frames III: Only a few eyeglass frames cost less than \$35</p>	<p>(a) I only (b) II only (c) II and III only (d) None of the statements is a known fact</p> <p>40. Fact 1: Most stuffed toys are stuffed with beans Fact 2: There are stuffed bears and stuffed tigers Fact 3: Some chairs are stuffed with beans</p> <p>If the first three statements are facts, which of the following statements must also be a fact?</p> <p>I: Only children's chairs are stuffed with beans II: All stuffed tigers are stuffed with beans III: Stuffed monkeys are not stuffed with beans</p> <p>(a) I only (b) II only (c) II and III only (d) None of the statements is a known fact</p> <p>41. Fact 1: Mary said, "Ann and I both have cats" Fact 2: Ann said, "I don't have a cat" Fact 3: Mary always tells the truth, but Ann sometimes lies</p> <p>If the first three statements are facts, which of the following statements must also be a fact?</p> <p>I: Ann has a cat II: Mary has a cat III: Ann is lying</p> <p>(a) I only (b) II only (c) I and II only (d) All the statements are facts</p> <p>42. Fact 1: Pictures can tell a story Fact 2: All storybooks have pictures Fact 3: Some storybooks have words</p> <p>If the first three statements are facts, which of the following statements must also be a fact?</p> <p>I: Pictures can tell a story better than words can II: The stories in storybooks are very simple III: Some storybooks have both words and pictures</p> <p>(a) I only</p>
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<p>(b) II only</p> <p>(c) III only</p> <p>(d) None of the statements is a known fact</p> <p>43. Fact 1: Some pens don't write Fact 2: All blue pens write Fact 3: Some writing utensils are pens</p> <p>If the first three statements are facts, which of the following statements must also be a fact?</p> <p>I: Some writing utensils don't write II: Some writing utensils are blue III: Some blue writing utensils don't write</p> <p>(a) I only</p> <p>(b) I and II only</p> <p>(c) II and III only</p> <p>(d) None of the statements is a known fact</p> <p>44. A boat running downstream covers a distance of 16 km in 2 hours while for covering the same distance upstream, it takes 4 hours. What is the speed of the boat in still water?</p> <p>(a) 4 km/hr</p> <p>(b) 6 km/hr</p> <p>(c) 8 km/hr</p> <p>(d) Data inadequate</p> <p>45. In a dairy farm, 40 cows eat 40 bags of husk in 40 days. In how many days one cow will eat one bag of husk?</p> <p>(a) 1</p> <p>(b) 1/40</p> <p>(c) 40</p> <p>(d) 80</p> <p>46. Two ships are sailing in the sea on the two sides of a lighthouse. The angle of elevation of the top of the lighthouse is observed from the ships are 30° and 45° respectively. If the lighthouse is 100 m high, the distance between the two ships is</p> <p>(a) 173 m</p>	<p>(b) 200 m</p> <p>(c) 273 m</p> <p>(d) 300 m</p> <p>47. A man standing at a point P is watching the top of a tower, which makes an angle of elevation of 30° with the man's eye. The man walks some distance towards the tower to watch its top and the angle of the elevation becomes 60°. What is the distance between the base of the tower and the point P?</p> <p>(a) $4\sqrt{3}$ units</p> <p>(b) 8 units</p> <p>(c) 12 units</p> <p>(d) Data inadequate</p> <p>48. A family consists of two grandparents, two parents and three grandchildren. The average age of the grandparents is 67 years, that of the parents is 35 years and that of the grandchildren is 6 years. What is the average age of the family?</p> <p>(a) $28 \frac{4}{7}$</p> <p>(b) $31 \frac{5}{7}$</p> <p>(c) $32 \frac{1}{7}$</p> <p>(d) None of these</p> <p>49. A grocer has a sales of Euro 6435, Euro 6927, Euro 6855, Euro 7230 and Euro 6562 for 5 consecutive months. How much sale must he have in the sixth month so that he gets an average sale of Euro 6500?</p> <p>(a) Euro 4991</p> <p>(b) Euro 5991</p> <p>(c) Euro 6001</p> <p>(d) Euro 6991</p> <p>50. Two students appeared at an examination. One of them secured 9 marks more than the other and his marks was 56% of the sum of their marks. The marks obtained by them are</p> <p>(a) 39, 30</p> <p>(b) 41, 32</p>
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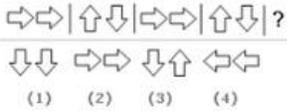
<p>(c) 42, 33 (d) 43, 34</p> <p>51. A fruit seller had some apples. He sells 40% apples and still has 420 apples. Originally, he had</p> <p>(a) 588 apples (b) 600 apples (c) 672 apples (d) 700 apples</p> <p>52. Look carefully for the pattern, and then choose which pair of numbers comes next</p> <p>84 78 72 66 60 54 48</p> <p>(a) 44 34 (b) 42 36 (c) 42 32 (d) 40 34</p> <p>53. Look carefully for the pattern, and then choose which pair of numbers comes next</p> <p>20 20 17 17 14 14 11</p> <p>(a) 8 8 (b) 11 11 (c) 11 14 (d) 11 8</p> <p>54. During the last six years, the number of practicing physicians has increased by about 20%. During the same time period, the number of healthcare managers has increased by more than 600%. These percentages mean that many doctors have lost the authority to make their own schedules, determine the fees that they charge, and decide on prescribed treatments.</p> <p>This paragraph best supports the statement that doctors</p> <p>(a) resent the interference of healthcare managers (b) no longer have adequate training (c) care a great deal about their patients (d) are less independent than they used to be</p>	<p>55. By the time they reach adulthood, most people can perform many different activities involving motor skills. Motor skills involve such diverse tasks as riding a bicycle, threading a needle, and cooking a dinner. What all these activities have in common is their dependence on precision and timing of muscular movement.</p> <p>This paragraph best supports the statement that</p> <p>(a) most adults have not refined their motor skills (b) all adults know how to ride a bicycle (c) refined motor skills are specifically limited to adults (d) threading a needle is a precise motor skill</p> <p>56. Most Reality TV centers on two common motivators: fame and money. The shows transform waitresses, hairdressers, investment bankers, counselors, and teachers, to name a few, from obscure figures to house-hold names. A lucky few successfully parlay their fifteen minutes of fame into celebrity. The luckiest stars of Reality TV also reap huge financial rewards for acts including eating large insects, marrying someone they barely know, and revealing their innermost thoughts to millions of people.</p> <p>This paragraph best supports the statement that</p> <p>(a) the stars of Reality TV are interested in being rich and famous (b) Reality TV is the best thing that has happened to network television in a long time (c) for Reality TV stars, fame will last only as long as their particular television show (d) traditional dramas and sitcoms are being replaced by Reality TV programming at an alarming rate</p> <p>57. The image of a knitter as an older woman sitting in a comfortable, old-fashioned living room with a basket of yarn at her feet and a bun in her hair is one of the past. As knitting continues to become more popular and increasingly trendy, it is much more difficult to describe the average knitter. Knitters today might be 18, 28, 40, or 65. They might live in a big urban center and take classes in a knitting shop that doubles as a cafe or they may gather in suburban coffee shops to support one another in knitting and other aspects of life. They could be college roommates knitting in their dorm room or two senior citizens knitting</p>
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<p>in a church hall. Even men are getting in the act. It would be incredibly difficult to come up with an accurate profile of a contemporary knitter to replace that image of the old woman with the basket of yarn!</p> <p>This paragraph best supports the statement that</p> <p>(a) people are returning to knitting in an attempt to reconnect with simpler times</p> <p>(b) knitting is now more of a group activity, as opposed to an individual hobby</p> <p>(c) creating an accurate profile of a particular type of person depends on the people in this group having traits and characteristics in common</p> <p>(d) today's knitters are much less accomplished than knitters of the past</p> <p>58. Close-up images of Mars by the Mariner 9 probe indicated networks of valleys that looked like the stream beds on Earth. These images also implied that Mars once had an atmosphere that was thick enough to trap the sun's heat. If this were true, something happened to Mars billions of years ago that stripped away the planet's atmosphere.</p> <p>This paragraph best supports the statement that</p> <p>(a) Mars now has little or no atmosphere</p> <p>(b) Mars once had a thicker atmosphere than Earth does</p> <p>(c) the Mariner 9 probe took the first pictures of Mars</p> <p>(d) Mars is closer to the sun than Earth is</p> <p>59. The T.V. programmes, telecast specially for women are packed with a variety of recipes and household hints. A major portion of magazines for women also contains the items mentioned above</p> <p>Conclusions:</p> <p>1. Women are not interested in other things 2. An average woman's primary interest lies in home and specially in the kitchen</p> <p>(a) Only conclusion I follows</p> <p>(b) Only conclusion II follows</p> <p>(c) Either I or II follows</p> <p>(d) Neither I nor II follows</p>	<p>60. Statement: Should India give away Kashmir to Pakistan?</p> <p>Arguments:</p> <p>1. No. Kashmir is a beautiful state. It earns a lot of foreign exchange for India 2. Yes. This would help settle conflicts</p> <p>(a) Only argument I is strong</p> <p>(b) Only argument II is strong</p> <p>(c) Either I or II is strong</p> <p>(d) Neither I nor II is strong</p> <p>61. Statement: Should cottage industries be encouraged in rural areas?</p> <p>Arguments:</p> <p>1. Yes. Rural people are creative 2. Yes. This would help to solve the problem of unemployment to some extent</p> <p>(a) Only argument I is strong</p> <p>(b) Only argument II is strong</p> <p>(c) Either I or II is strong</p> <p>(d) Neither I nor II is strong</p> <p>62. Statements: The distance of 900 km by road between Bombay and Jafrā will be reduced to 280 km by sea. This will lead to a saving of Rs. 7.92 crores per annum on fuel</p> <p>Conclusions:</p> <p>1. Transportation by sea is cheaper than that by road 2. Fuel must be saved to the greatest extent</p> <p>(a) Only conclusion I follows</p> <p>(b) Only conclusion II follows</p> <p>(c) Either I or II follows</p> <p>(d) Neither I nor II follows</p>
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63. Look carefully at the sequence of symbols to find the pattern. Select correct pattern



- (a) 1
 - (b) 2
 - (c) 3
 - (d) 4
- 64.

Which one will replace the question mark ?

A ₂	C ₄	E ₆
G ₃	I ₅	?
M ₅	O ₉	Q ₁₄

- (a) L10
- (b) K15
- (c) I15
- (d) K8

The following table gives the sales of batteries manufactured by a company over the years

Number of Different Types of Batteries Sold by a Company Over the Years
(Numbers in Thousands)

Year	Types of Batteries					Total
	4AH	7AH	32AH	35AH	55AH	
1992	75	144	114	102	108	543
1993	90	126	102	84	126	528
1994	96	114	75	105	135	525
1995	105	90	150	90	75	510
1996	90	75	135	75	90	465
1997	105	60	165	45	120	495
1998	115	85	160	100	145	605

65. What was the approximate percentage increase in the sales of 55AH batteries in 1998 compared to that in 1992?

- (a) 28%
- (b) 31%
- (c) 33%
- (d) 34%

66. The total sales of all the seven years is the maximum for which battery?

- (a) 4AH
- (b) 5AH
- (c) 32AH
- (d) 35AH

67. What is the difference in the number of 35AH batteries sold in 1993 and 1997?

- (a) 24000
- (b) 28000
- (c) 35000
- (d) 39000

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68. The percentage of 4AH batteries sold to the total number of batteries sold was maximum in the year?

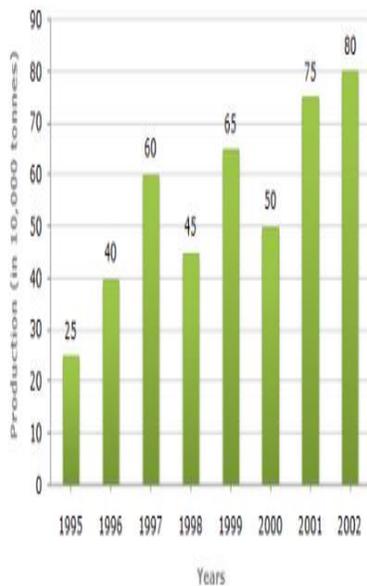
- (a) 1994
- (b) 1995
- (c) 1996
- (d) 1997

69. In case of which battery there was a continuous decrease in sales from 1992 to 1997?

- (a) 4AH
- (b) 7AH
- (c) 32AH
- (d) 35AH

Study the bar chart and answer the question based on it

Production of Fertilizers by a Company (in 1000 tonnes) Over the Years



70. What was the percentage decline in the production of fertilizers from 1997 to 1998?

- (a) $33\frac{1}{3}\%$

- (b) 20%
- (c) 25%
- (d) 21%

71. The average production of 1996 and 1997 was exactly equal to the average production of which of the following pairs of years?

- (a) 2000 and 2001
- (b) 1999 and 2000
- (c) 1998 and 2000
- (d) 1995 and 2001

72. What was the percentage increase in production of fertilizers in 2002 compared to that in 1995?

- (a) 320%
- (b) 300%
- (c) 220%
- (d) 200%

73. In which year was the percentage increase in production as compared to the previous year the maximum?

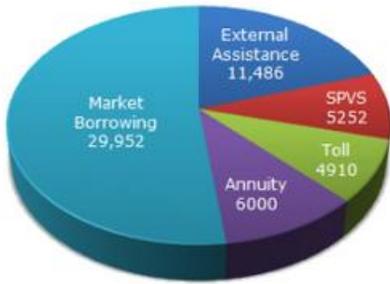
- (a) 2002
- (b) 2001
- (c) 1997
- (d) 1996

74. In how many of the given years was the production of fertilizers more than the average production of the given years?

- (a) 1
- (b) 2
- (c) 3
- (d) 4

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The following pie-chart shows the sources of funds to be collected by the National Highways Authority of India (NHA) for its Phase II projects. Study the pie-chart and answers the question that follow. Sources of funds to be arranged by NHA for Phase II projects (in Yen.)



75. Near about 20% of the funds are to be arranged through

- (a) SPVS
- (b) External Assistance
- (c) Annuity
- (d) Market Borrowing

76. If NHA could receive a total of 9695 Yen as External Assistance, by what percent (approximately) should it increase the Market Borrowing to arrange for the shortage of funds?

- (a) 4.5%
- (b) 7.5%
- (c) 6%
- (d) 8%

77. If the toll is to be collected through an outsourced agency by allowing a maximum 10% commission, how much amount should be permitted to be collected by the outsourced agency, so that the project is supported with 4910 Yen?

- (a) 6213 Yen

- (b) 5827 Yen
- (c) 5401 Yen
- (d) 5316 Yen

78. The central angle corresponding to Market Borrowing is

- (a) 52°
- (b) 137.8°
- (c) 187.2°
- (d) 192.4°

79. The approximate ratio of the funds to be arranged through Toll and that through Market Borrowing is

- (a) 2 : 9
- (b) 1 : 6
- (c) 3 : 11
- (d) 2 : 5

80. The school principal has received complaints from parents about bullying in the school yard during recess. He wants to investigate and end this situation as soon as possible, so he has asked the recess aides to watch closely. Which situation should the recess aides report to the principal?

- (a) A girl is sitting glumly on a bench reading a book and not interacting with her peers
- (b) Four girls are surrounding another girl and seem to have possession of her backpack
- (c) Two boys are playing a one-on-one game of basketball and are arguing over the last basket scored
- (d) Three boys are huddled over a handheld video game, which isn't supposed to be on school grounds

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Answer Sheet

	A	B	C	D		A	B	C	D		A	B	C	D		A	B	C	D
1	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	21	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	41	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	61	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	22	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	42	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	62	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	23	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	43	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	63	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	24	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	44	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	64	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	25	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	45	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	65	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	26	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	46	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	66	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	27	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	47	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	67	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	28	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	48	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	68	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	29	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	49	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	69	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
10	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	30	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	50	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	70	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
11	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	31	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	51	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	71	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
12	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	32	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	52	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	72	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
13	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	33	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	53	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	73	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
14	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	34	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	54	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	74	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
15	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	35	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	55	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	75	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
16	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	36	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	56	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	76	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
17	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	37	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	57	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	77	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
18	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	38	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	58	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	78	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
19	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	39	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	59	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	79	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
20	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	40	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	60	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	80	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>