

Model Test Paper 37
General Study Paper II

DO NOT OPEN THIS BOOKLET UNTIL YOU ARE TOLD TO DO SO

TEST BOOKLET
GENERAL STUDIES
Paper-II

A

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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<p>A well-dressed young man entered a big textile shop one evening. He was able to draw the attention of the salesmen who thought him rich and likely to make heavy purchases. He was shown the superior varieties of suit lengths and sarees. But after casually examining them, he kept moving to the next section where readymade goods were being sold and further on to the hosiery section. By then, the salesmen had begun to doubt his intentions and drew the attention of the manager. The manager asked him what exactly he wanted and he replied that he wanted courteous treatment. He explained that he had come to the same shop in casual dress that morning and drawn little attention. His pride was hurt and he wanted to assert himself. He had come in good dress only to get decent treatment not for getting any textiles. He left without making any purchases.</p> <p>1. The young man was well dressed because</p> <p>(a) it was his habit to dress well (b) it was his wedding day (c) he wanted to meet the manager of the shop (d) he wanted to impress the salesmen</p> <p>2. The salesmen in the shop are described as people who pay attention to</p> <p>(a) only young men and women (b) pretty women (c) only rich customers (d) regular customers</p> <p>3. The manager asked the young man what he wanted because</p> <p>(a) he would give him exactly what he was looking for (b) the salesman had drawn his attention to the indifferent attitude on the young man (c) he thought they could do more business with him that way (d) he though the visitor was dissatisfied</p> <p>4. The young man left without making any purchases because he</p> <p>(a) did not have money</p>	<p>(b) could not find any item of his choice (c) had come only to make a point about the indifferent attitude of the salesmen towards casually dressed customers (d) decided to come to make the purchases later on</p> <p>The prisoner awaited his chance. For three solid years he had schemed for this opportunity. Now that escape seemed so near at hand, those three years lost some of their monotony. But he would never forget the lashes, the close confinement, low diet and worse still the mental strain of those black days. Suddenly the warden did what he had hoped. He stopped to unlock the lower padlock. With a dull thud he slumped forward with keys in his hands. Swiftly the prisoner seized his keys, unlocked the cell and ran into the courtyard. It took him four seconds to reach the rope-ladder secretly placed there by his accomplices, five more to clamber over the wall, and three more to jump into the waiting car to be whisked away to freedom. Even though he was guilty, the prisoner felt he had paid for his crime, for the man he had robbed three years ago was still a millionaire.</p> <p>5. For what crime had the prisoner been punished?</p> <p>(a) Murder (b) Arson (c) Robbery (d) Kidnapping</p> <p>6. When had the crime been committed?</p> <p>(a) Just before the escape (b) Three years earlier (c) Long ago (d) Day earlier</p> <p>7. Who slumped forward with a dull thud?</p> <p>(a) The millionaire (b) The warden (c) The prisoner (d) Prisoner's accomplice</p>
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<p>8. What did the prisoner suffer the most during the imprisonment?</p> <p>(a) Poor health (b) Mental strain (c) Physical torture (d) Absence from his family</p> <p>Nationalism is only a curse when it becomes narrow and fanatical. Like so many other things available to man, say his religion, it can lead men astray. Nationalism can lead people into thinking only of themselves, of their own struggles, of their own misery. It can also cause a nation to become suspicious and fearful of its neighbours, to look upon itself as superior, and to become aggressive. And it is when nationalism impels a state to become expansionist and seek domination over others that it becomes a positive curse and harmful internationally.</p> <p>9. From the passage, which of the following statements most correctly reflects the opinion of the author?</p> <p>(a) Nationalism makes people self centered and self-concerned (b) It helps a nation to become superior to other nations (c) It regulates international relationships (d) It helps a nation to expand its territories and become powerful</p> <p>10. Which of the following phrases most correctly suggests the central theme of the passage?</p> <p>(a) Nationalism and religion (b) Nationalism as an inspiration for development (c) Nationalism as a cause of war (d) Evils of narrow and aggressive nationalism</p> <p>11. From the passage which of the following statements can be assumed to be most likely to be true?</p> <p>(a) The author believes that nationalism is always a curse (b) He believes that religion always leads men astray</p>	<p>(c) He thinks that religion leads men astray (d) He pleads for a mix-up of religion and nationalism</p> <p>Brown and his men, huddling round a fire, ate the last of the food that Kassim had brought them that day. Cornelius sat among them, half asleep. Then one of the crew remembered that some tobacco had been left in the boat, and said he would go and fetch it. He didn't think there was any danger in going to the creek in the dark. He disappeared down the hillside, and a moment later he was heard climbing into the boat and then climbing out again.</p> <p>12. Consider the following statements</p> <p>1. Brown and Cornelius sat round the fire 2. Cornelius lay half-asleep at a little distance from the fire 3. All the people sat round the fire Which of the statements given above is/are correct?</p> <p>(a) 1 and 2 (b) 2 only (c) 3 only (d) 1 and 3</p> <p>13. One of them disappeared down the hill implies that</p> <p>(a) the slope of the hill was slippery (b) he fell from the edge of the hill (c) there was suddenly a sea beside the hill (d) he walked down the hill</p> <p>14. "He didn't think ... in the dark". This sentence actually implies that he</p> <p>(a) was bold and adventurous (b) was addicted to smoking (c) would face some trouble (d) was the only person who knew where in the boat tobacco was</p>
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<p>15. What does the word "huddling" imply?</p> <p>(a) Moving around (b) Falling into a slumber (c) Being close together (d) Merrymaking</p> <p>As soon as I saw the elephant I knew with perfect certainty that I ought not to shoot him. It is a serious matter to shoot a working elephant - it is comparable to destroying a huge and costly piece of machinery - and obviously one ought not to do it if it can possibly be avoided. And at that distance, peacefully eating, the elephant looked no more dangerous than a cow.</p> <p>16. The writer was against shooting the elephant because</p> <p>(a) he suspected it to be a wild one and was afraid of it (b) his heart was full of compassion for animals (c) he was certain that the elephant was innocent (d) it would amount to avoidable waste of useful property</p> <p>17. The author compares the elephant to a costly machine because</p> <p>(a) ivory is very expensive (b) it can do as much work as an expensive machine (c) elephants look like big machines (d) elephants and machines have similar prices</p> <p>18. The elephant looked no more dangerous than a cow because</p> <p>(a) it was quietly doing its work (b) unlike lions, it is a vegetarian animal (c) its tusks resemble the cow's horns (d) cows can be very dangerous sometimes</p>	<p>I was very fond of the old soldier in our little town. He had only one leg, having lost the other somewhere in Assam in 1942. He used to tell me about his adventures. He told me that he had run away from home to join the army. He had experienced his first battle in the Libyan desert. Out of his dozens of war stories, the one I liked best was the one of his escape from a Japanese prison-of-war camp in Burma. He told me again and again how he walked two hundred miles in two weeks. On the way he was bitten on the toe by a poisonous snake and he had to cut off part of the toe in order to survive. But by the time he got to an Indian camp the wound had turned septic and the leg had to be amputated, He is, however, quite contented with his lot.</p> <p>19. The author was very fond of the old soldier because</p> <p>(a) He had lost one of his legs in war (b) he used to tell the author about his adventures (c) he was contented with his lots (d) he had been to many countries</p> <p>20. Why did the old soldier repeatedly tell that he walked two hundred miles?</p> <p>(a) He ran away from home to join the army (b) He had to cross the Libyan desert (c) He had to escape from a prison-of-war (d) He was a strong soldier</p> <p>21. The story of the old soldier that the author liked most was that about</p> <p>(a) his running away from home to join the army (b) his first battle in the Libyan desert (c) the loss of his leg in Assam (d) his escape from a Japanese prison-of-war camp</p> <p>22. The old soldier, according to the author, was</p> <p>(a) unhappy about his life (b) satisfied with his lot (c) angry about his fate (d) disgusted with his misfortune</p>
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<p>23. The soldier's leg had to be amputated because</p> <p>(a) he had walked two hundred miles in two weeks</p> <p>(b) he was wounded in war</p> <p>(c) the wounded toe turned septic</p> <p>(d) he was shot in the leg while escaping from the Japanese camp</p> <p>A large number of people had come to attend the meeting to be addressed by the gifted speaker. The organizers had a difficult time keeping the assembled people quiet as the meeting did not commence at the scheduled time. After some time the people lost their patience and began to shout and heckle. The organizers had great difficulty in assuaging the anger of the crowd when they were forced to cancel the meeting as the speaker had to be hospitalized due to sudden illness.</p> <p>24. What was the actual reason for the organizers to have a difficult time?</p> <p>(a) a large number of people had come to the meeting</p> <p>(b) the organizers could not make proper arrangements</p> <p>(c) the meeting could not be started in time</p> <p>(d) the speaker was ill</p> <p>25. What does the word "assuaging" imply?</p> <p>(a) accepting</p> <p>(b) tolerating</p> <p>(c) reducing</p> <p>(d) removing</p> <p>26. Further delay resulted in the people</p> <p>(a) leaving the place</p> <p>(b) fighting with the organizers</p> <p>(c) making noise</p> <p>(d) making the speaker ill</p>	<p>Wealth should not be an end in itself but only a means of satisfying one's as well as other's needs. It should be a means of creating a happy and humane society. Riches can profitably be spent in removing the wants of the poor and the needy, by providing them with food and clothing, by establishing hospitals for the sick, shelters for children who have none to look after them, and old-age homes to provide comfort and company to the growing number of old and helpless people. Wealth can also be put to public use by establishing trusts to open up more and more educational institutions, to finance research work for promotion of science, health care and agriculture. When used only as a means of creating more and more luxuries and procuring objects of sensual gratification, it leads to corruption and sin. Even wealth used only to generate more wealth loses its intrinsic worth. We should not forget that wealth came into existence to facilitate the fulfilment of human needs and development of society.</p> <p>27. By saying 'Wealth should not be an end in itself' the writer means that</p> <p>(a) One should not stop creating wealth</p> <p>(b) Creating more and more wealth should not be one's object</p> <p>(c) Wealth should not be used for personal purpose</p> <p>(d) Wealth is exhausted if not used in different tasks</p> <p>28. In 'Riches can be profitably spent' the word 'profitably' in this context means</p> <p>(a) Riches can be used in manifold ways</p> <p>(b) Riches can be used for financial gains</p> <p>(c) Riches can be used in beneficial way</p> <p>(d) Riches can be used to acquire fame</p> <p>29. The central idea of the passage is</p> <p>(a) Wealth should not be used for personal comfort but for comfort of others</p> <p>(b) Personal use of wealth leads to sin</p> <p>(c) Wealth should be judiciously used for personal as well as social and humanitarian purposes</p> <p>(d) Wealth should be used for others only after fulfilling one's needs</p>
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<p>30. The intrinsic worth of wealth lies in</p> <p>(a) its use for charitable purpose</p> <p>(b) its use for enjoyment of life</p> <p>(c) its use for fulfilment of human needs and development of society</p> <p>(d) its use for self-aggrandizement</p> <p>31. Rearrange the letters in the word "impart" in order to make a new word. Which sentence below best describes the new word?</p> <p>(a) An animal</p> <p>(b) Measurement of time</p> <p>(c) Part of the human body</p> <p>(d) Fruit or vegetable</p> <p>32. On christmas morning the four siblings, Luke, Mary, Alice and Jane got their presents. The parents spent the same amount of money on each child. Alice had four presents, which was more than Jane, but less than Luke and Mary, and Mary had the most. Who is most likely to have received the gift that was the most expensive?</p> <p>(a) Alice</p> <p>(b) Jane</p> <p>(c) Mary</p> <p>(d) Luke</p> <p>33. All Italians speak Greek. All Greek speakers have cars. Which of the following MUST be true?</p> <p>(a) All Italians have cars</p> <p>(b) All Greeks speak Italian</p> <p>(c) All with cars are Italians</p> <p>(d) All Greek speakers are Italians</p> <p>34. Ben is rich but Jim is richer. Mike is poorer than Jim. Who is the richest?</p> <p>(a) Jim</p> <p>(b) All are equally rich</p>	<p>(c) Ben</p> <p>(d) Mike</p> <p>35. For Lydia's birthday all her friends gave her money. Salvia gave a lot, but not as much as Luke, she gave more than Laura though. Dave gave less than Laura and Bryan, and Bryan gave more than Sylvia. Who gave Lydia the smallest amount?</p> <p>(a) Dave</p> <p>(b) Laura</p> <p>(c) Bryan</p> <p>(d) Luke</p> <p>36. JE, LH, OL, SQ, ?</p> <p>(a) WV</p> <p>(b) WX</p> <p>(c) VW</p> <p>(d) XW</p> <p>37. Z, W, S, P, L, I, E, ?</p> <p>(a) B</p> <p>(b) D</p> <p>(c) F</p> <p>(d) K</p> <p>38. 3F, 6G, 11I, 18L, ?</p> <p>(a) 21O</p> <p>(b) 25N</p> <p>(c) 27P</p> <p>(d) 27Q</p> <p>39. adb_ac_da_cddcb_dbc_cbda</p> <p>(a) bccba</p> <p>(b) cbbaa</p> <p>(c) ccbba</p> <p>(d) bbcad</p>
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40. Find the odd one out

- (a) Owl
- (b) Eagle
- (c) Hawk
- (d) Parrot

41. If in a certain code, GLAMOUR is written as IJCNMWP and MISRULE is written as OGUSSNC, then how will TOPICAL be written in that code?

- (a) VMRJECN
- (b) VMRHAGJ
- (c) VMRJACJ
- (d) VNRJABJ

42. Six members of a family ABCDE and F are travelling together. B is the son of C but C is not the mother of B. A and C are married couple. E is the brother of C. D is the daughter of A. F is the brother of B. How many male members are there in the family ?

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

43. A is the brother of B and K, D is the mother of B and E is the father of A. Which of the following statement is not definitely true?

- (a) A is the son of D
- (b) A is the father of K
- (c) B is the brother of K
- (d) A is the son of E

44.

	Petoria	Kosnistan	Nerbia	Katgolia
2000				
TVs per person	1.25	0.28	0.5	0.75
Population (millions)	5.2	19.5	13.8	8.8
Number of TVs (millions)	?	5.46	6.9	6.6
2010				
TVs per person	1.75	?	1.1	1.5
Population (millions)	6.4	22.5	?	10.3
Number of TVs (millions)	11.2	6.75	17.27	15.45

How many TVs were there in Petoria in the year 2000?

- (a) 6.25 million
- (b) 6.5 million
- (c) 6.1 million
- (d) 6.35 million

45. 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.

Which of the following statements is definitely true?

- (a) Specail Economic Zones are used to increase employment
- (b) Specail Economic Zones are used to improve quality of life

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<p>(c) Special Economic Zones are used to improve foreign relations</p> <p>(d) Special Economic Zones are used by European Unions</p> <p>46. Performance enhancing drugs have generated controversy in professional sports for decades as demand for optimum performance ever rises. A new method of performance enhancement has been identified as a possible future problem, a process known as gene doping. As genetic research advances, it is possible that rogue athletes may use genetic technology to enhance their ability through gene doping, potentially improving their performance significantly. Because of the numerous controversies and ethical problems this kind of enhancement may bring, anti-doping authorities have pre-emptively banned genetic manipulation.</p> <p>What performance enhancing method may become a problem in the future?</p> <p>(a) Gene enhancement</p> <p>(b) Gene doping</p> <p>(c) Gene engineering</p> <p>(d) Gene research</p> <p>Answer the following 2 questions based on the following paragraph</p> <p>The Outer Space treaty, formally the <i>Treaty on Principles Governing the Activities of State in the Exploration and Use of Outer Space, including the Moon and other Celestial Bodies</i>, is a treaty that dictates international space law. The main objective of this treaty is to prevent nations placing nuclear or conventional weapons in orbit of earth, on the moon or on any other celestial body. Similarly, the treaty prohibits the establishment of military bases, fortification or conducting military manoeuvres in these areas. The treaty was seen as one of the first steps in preventing the proliferation of weapons of in space, encouraging more peaceful exploration of space instead.</p> <p>47. Which one of the following best replaces "dictates" while maintaining the meaning of the sentence?</p> <p>(a) Encourages</p>	<p>(b) Propagates</p> <p>(c) Edicts</p> <p>(d) Transcribes</p> <p>48. Which one of the following best replaces "proliferation" while maintaining the meaning of the sentence?</p> <p>(a) Production</p> <p>(b) Development</p> <p>(c) Exploitation</p> <p>(d) Propagation</p> <p>49. All materials are degradable. Some materials are solid. Which of the statements below are true?</p> <p>(a) Solids are degradable</p> <p>(b) Some solids are degradable</p> <p>(c) All solids are materials</p> <p>(d) All degradable products are materials</p> <p>50. If there are universal objects that are invisible and all universal objects are in space, then which of the statements below are true?</p> <p>(a) All objects that are visible are in space</p> <p>(b) All objects in space are universal objects</p> <p>(c) There are no universal objects in space that are invisible</p> <p>(d) None of the above</p> <p>51. If a person cannot testify on his/her own behalf and that person is appearing in court, then what is true?</p> <p>(a) A person can appear in court and not testify on his/her own behalf</p> <p>(b) Anyone who appears in court cannot testify on his/her own behalf</p> <p>(c) Anyone testifying on his/her own behalf appears in court.</p> <p>(d) Anyone appearing in court testifies on his/her own behalf</p>
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<p>52. There are four famous topical pictures in a museum: scenery, a kitchen, a park and oranges. The paintings were painted by Jones, Smith, Hardy and Lane. The scenery painting is hanging next to Smith's painting. The scenery painting also hangs between the park and Hardy's painting. Jones didn't paint the scenery or the oranges. Who painted the kitchen?</p> <p>(a) Jones (b) Smith (c) Hardy (d) None of the above</p> <p>53. Danny discovered the following facts while working on his geography assignment: 30% of Georgia's inhabitants are Indian, 50% of Georgia's inhabitants work in the service industry, 20% work in agriculture and 60% drink Coke. Danny drew four conclusions. Which of the four conclusions must be true?</p> <p>(a) Half of Georgia's coke-drinking inhabitants are Indian (b) One-third of Georgia's coke-drinking inhabitants work in agriculture (c) In Georgia there are more Indian people working in the service industry than in agriculture (d) Some of Georgia's service industry employees drink Coke</p> <p>54. This is data supplied by the cabbage growers union report for 2007: 80% of cabbages collected were heavy (over 0.5 kg), 10% of cabbages were green, 60% were red and 50% were big (having a diameter of over 10 cm). Which of the following statements must be false?</p> <p>(a) All red cabbages weren't big (b) 30% of red cabbages were big (c) There were no cabbages that were both green and big (d) Half of the cabbages were small</p> <p>55. All airplanes that don't stop in Spain fly to India. The first airplane didn't stop in Spain. Which of the following statements are true?</p> <p>(a) The first airplane didn't fly to India</p>	<p>(b) The first airplane flew to India (c) All airplanes flying to India stop in Spain (d) None of the above</p> <p>56. Review the facts below. • Rupert is short and blond. • Robert likes dogs. • Dogs bark. • Blond creatures are dogs. Based on the information above, which of the following MUST be true?</p> <p>(a) Robert has a blond dog named Rupert (b) All dogs are tall (c) Rupert is a short dog that barks (d) Rupert is a good dog and does not bark</p> <p>57. Review the facts below. • Bob has a red couch. • Cupboards are yellow. • There is no red furniture that is not also lightweight. • Yellow furniture is big, unless it has shelves. Based on the information above, which of the following MUST be true? explanation</p> <p>(a) Bob's couch weighs less than cupboards do (b) All cupboards are big (c) Bob's couch is small, as are cupboards (d) Bob has a light couch</p> <p>58. A report on the use of monosodium glutamate in food concluded, "Most Americans who consume monosodium glutamate regularly are not being harmed." Critics of the report insist the conclusion be changed to, "Most Americans who consume monosodium glutamate do not show visible symptoms of harm by the substance, such as abnormal rashes or slower rates of metabolism." Which of the following, if true, provides the best logical justification for the critics' insistence that the report's conclusion be changed?</p> <p>(a) Some Americans who consume monosodium glutamate regularly are being harmed by the substance (b) Monosodium glutamate could be causing long term damage for which symptoms have not yet become visible</p>
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(c) The report does not compare harm caused to Americans who consume monosodium glutamate with harm caused to people in other countries

(d) Monosodium glutamate has been added to a growing number of commonly consumed foods during the past fifteen years

59. Until recently, most automobile manufacturers minimized the weight of their cars to maximize mileage. The safest chassis were heavy, so few manufacturers equipped their cars with the safest chassis. This year the chassis metal that has sold best to automobile manufacturers has been the safest one—a clear indication that manufacturers are assigning a higher priority to safety than to mileage. Which of the following, if true, most seriously weakens the argument above?

(a) Last year's best-selling chassis metal was not the safest chassis metal on the market

(b) No automobile manufacturer has announced that it would be making safe chassis a higher priority this year

(c) The price of gas was higher this year than it had been in most of the years when the safest chassis sold poorly

(d) Because of technological innovations, the safest chassis on the market this year weighed less than some other chassis on the market

60. The CEO of Black's International has proposed replacing their Marmacil semiconductor manufacturing equipment with Fasttech equipment since it costs 30 percent less to train new staff on the Fasttech equipment. Those opposed to the change have pointed out the savings in training cost does not justify the change. Instead, they suggested that the company hire only people who already know how to use the Marmacil equipment. Which of the following, if true, most seriously undermines the objection to the replacement of Marmacil semiconductor manufacturing equipment with Fasttechs?

(a) Currently all employees in the company are required to attend workshops on how to use Marmacil semiconductor manufacturing equipment in new applications

(b) Once employees learn how to use semiconductor manufacturing equipment, they tend to change employers more readily than before

(c) Experienced users of Marmacil equipment command much higher salaries than do prospective employees who have no experience in the use of such equipment

(d) The average productivity of employees in the general manager's company is below the average productivity of the employees of its competitors

61. A pharmaceutical company developed a new diuretic reported to cause fewer side effects than their old diuretic, which was still being manufactured. During the first year that both were sold, the earlier medication far outsold the new one; the manufacturer thus concluded that reducing side effects was not the customers' primary consideration. Which of the following, if true, would most seriously weaken the manufacturer's conclusion? explanation

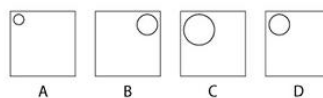
(a) Both hospitals and patients buy diuretics from this pharmaceutical company

(b) Many customers consider older medications a better safety risk than new ones, since more is usually known about the safety of the earlier drugs

(c) Many customers of this pharmaceutical company also bought medications from companies who did not produce new diuretics reported to cause fewer side effects

(d) The newer diuretic can be used by all the patients who could use the earlier diuretic

62.



What comes next in the sequence?

(a)

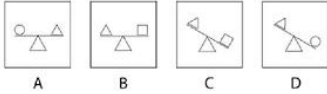
(b)

(c)

(d)

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63.



What comes next in the sequence?

- (a)
- (b)
- (c)
- (d)

64. One troy ounce of gold is currently valued at £926.17. An investor purchased 6 troy ounces of gold at the previous market price of £827.29. If the investor sells this gold at the current market price, at what profit margin would the metal be sold? (profit margin = [(profit/revenue) x 100]

- (a) 6.58%
- (b) 7.24%
- (c) 8.62%
- (d) 10.68%

65. A telephone landline contract stipulates that calls between the hours of 6am-6pm during weekdays costs 7.5p (£0.075) per minute, with all calls outside these hours costing 1.5p (£0.015) per minute. If during a week, a customer makes 2 hours' worth of phone calls during the week between 6am-6pm and 30 minutes worth of calls at the weekend, what would their weekly phone bill be?

- (a) 9.15
- (b) 9.45
- (c) 9.75
- (d) 9.95

66. 1 barrel of crude oil can produce an average of 40% petroleum. Each barrel contains 159 litres of crude oil. On average how many litres of hydrocarbons can be produce from 15 barrels of crude oil?

- (a) 886 litres
- (b) 915 litres
- (c) 938 litres
- (d) Cannot say

67. An Olympic sized swimming pool when full contains 2,500,000 liters of water. To keep the swimming pool disinfected, the pool needs to maintain a chlorine concentration of 0.5 ml of chlorine per litre of water. Assuming the swimming pool is emptied and re-chlorinated every day, how much chlorine is needed to disinfect an Olympic sized swimming pool for 5 days? (1 litre = 1000 ml)

- (a) 5,750 litres
- (b) 6,000 litres
- (c) 6,250 litres
- (d) 6,500 litres

68. The People's Republic of China is currently the largest exporter of tea, accounting for 30.4% of global tea exports. India is ranked second and Kenya third, accounting for 24.4% and 9.5% of global tea exports respectively. If 4,211,397 tons of tea were produced globally, what percentage of global tea production is accounted for by these three countries?

- (a) 2,569,620 tons
- (b) 2,469,560 tons
- (c) 2,568,970 tons
- (d) 2,712,140 tons

69. Find the missing number:
93, 96, 102, 104, 108, ?

- (a) 112
- (b) 118
- (c) 122
- (d) 116

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70. Find the missing number:
4, 2, 8, 16, ?

- (a) 128
- (b) 14
- (c) 32
- (d) 108

71.

Find the missing number:

28	35	42	49
56	63	70	?

- (a) 85
- (b) 80
- (c) 75
- (d) 77

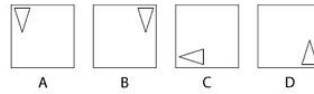
72. Alice needs to bake 16 cakes for a bake sale. Each cake needs 12.5 ounces of flour. At the store they have flour in bags of 50 ounces. How many bags of flour will she have to buy?

- (a) 5
- (b) 3
- (c) 6
- (d) 4

73. A business jet is descending toward its destination. The jet left 35,000 feet at 09:20 and passed 17,500 feet at 09:34. The jet maintained a constant rate of descent until passing 17,500 feet, where it increased the rate of descent by a factor of 3. When will the jet reach 2,500 feet?

- (a) 09:42
- (b) 09:40
- (c) 09:36
- (d) 09:38

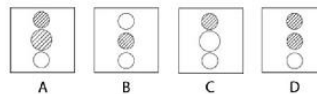
74.



What comes next in the sequence?

- (a)
- (b)
- (c)
- (d)

75.



What comes next in the sequence?

- (a)
- (b)
- (c)
- (d)

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<p>Read the following passage and answer the following questions When it comes to work boots, durability is paramount. The hard workers at Rival know that ; We pride ourselves on creating boots that last a lifetime. That's why we're making the following offer to all new customers; buy any new pair of Rival boots and get yourself a second pair at half price. Because that's the Rival way.</p> <p>76. As used in the passage, which is the best antonym for paramount?</p> <p>(a) inferior (b) boring (c) pathetic (d) trivial</p> <p>77. What logical weakness is present in the offer as stated in the passage?</p> <p>(a) It is irresponsible to make an offer that logically cannot be upheld (b) It is contradictory to maintain that Rival boots last a lifetime while simultaneously offering a second pair (c) It is financially unsound to offer a product a half price simply as an incentive to buy another price (d) It is wrong to assume that a construction worker would only be able to afford a single pair of boots in his or her entire life.</p> <p>Read the following passage and answer the following questions</p> <p>A new discovery has prompted astronomers to rethink one of their most basic assumptions regarding the types of solar systems that can support life. Previously, astronomers believed that any solar system containing more than one sun would produce an orbit too volatile to support an Earth-like planet. However, recent images from the Kepler spacecraft have uncovered evidence of a two-star system - what astronomers call a binary system - with a stable orbit containing at least one planetary body.</p> <p>78. The largest audience for this passage would most likely include a(n)</p> <p>(a) scientist who wants to evaluate a peer's recent research</p>	<p>(b) dentist who has a general interest in science and astronomy (c) third grade student who is learning the basics of astronomy (d) government official assessing the success of the Kepler project</p> <p>79. As used in the passage, it can be inferred that volatile belongs to which of the following word groups?</p> <p>(a) dangerous, hazardous, troubling (b) explosive, charged, detonative (c) irregular, abnormal, weird (d) unstable, unpredictable, uneven</p> <p>80. Based on information presented in the passage, it can be concluded that</p> <p>(a) solar systems must mirror our home in order to support life (b) life likely exists outside our own solar system (c) binary solar systems may harbour life (d) the Kepler space program has been largely successful</p>
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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"/>
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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"/>
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