

Model Test Paper 60
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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<p>Have you ever wondered what keeps a hot air balloon flying? The same principle that keeps food frozen in the open chest freezers at the grocery store allows hot air balloons to fly. It's a very basic principle: Hot air rises and cold air falls. So while the super-cooled air in the grocery store freezer settles down around the food, the hot air in a hot air balloon pushes up, keeping the balloon floating above the ground. In order to understand more about how this principle works in hot air balloons, it helps to know more about hot air balloons themselves.</p> <p>A hot air balloon has three major parts: the basket, the burner, and the envelope. The basket is where passengers ride. The basket is usually made of wicker. This ensures that it will be comfortable and add little extra weight. The burner is positioned above the passenger's heads and produces a huge flame to heat the air inside the envelope. The envelope is the colorful fabric balloon that holds the hot air. When the air inside the envelope is heated, the balloon rises.</p> <p>The pilot can control the up-and-down movements of the hot air balloon by regulating the heat in the envelope. To ascend, the pilot heats the air in the envelope. When the pilot is ready to land, the air in the balloon is allowed to cool and the balloon becomes heavier than air. This makes the balloon descend.</p> <p>Before the balloon is launched, the pilot knows which way the wind is blowing. This means that she has a general idea about which way the balloon will go. But, sometimes the pilot can actually control the direction that the balloon flies while in flight. This is because the air above the ground is sectioned into layers in which the direction of the wind may be different. So even though the pilot can't steer the balloon, she can fly or higher or lower into a different layer of air. Some days the difference between the direction of the wind between layers is negligible. But other days the difference is so strong that it can actually push the balloon in a completely different direction!</p> <p>1. According to the passage, balloon pilots control the balloon's altitude by</p> <p>(a) moving into a different layer of air</p> <p>(b) regulating the air temperature inside the balloon</p> <p>(c) adjusting the amount of air in the envelope</p> <p>(d) changing the amount of weight contained in the basket</p>	<p>2. As used in paragraph 3, which is the best synonym for ascend?</p> <p>(a) move</p> <p>(b) fly</p> <p>(c) sink</p> <p>(d) climb</p> <p>3. As used in paragraph 3, which is the best antonym for descend?</p> <p>(a) fall</p> <p>(b) float</p> <p>(c) rise</p> <p>(d) drop</p> <p>4. According to the author, wicker is</p> <p>I. comfortable</p> <p>II. lightweight</p> <p>III. durable</p> <p>(a) I only</p> <p>(b) I and II only</p> <p>(c) II and III only</p> <p>(d) I, II, and III</p> <p>5. If the hot air balloon pilot wants to change directions during flight, what might he or she do to accomplish this?</p> <p>(a) head toward a mountain peak</p> <p>(b) wait for it to rain</p> <p>(c) fly into a cloud</p> <p>(d) fly higher</p> <p>6. Using the passage as a guide, it can be inferred that which of the following statements is not true?</p> <p>(a) Air goes up and out the top of a chimney when you light a fire</p> <p>(b) Cool air collects about the ceiling when you open a refrigerator</p>
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(c) Smoke from a candle rises after you blow out the flame

(d) Cold air coming from an air conditioning vent settles about the floor

7. Based on its use in paragraph 4, it can be understood that negligible belongs to which of the following word families?

(a) solemn, grave, serious

(b) substantial, considerable, large

(c) exhilarating, thrilling, exciting

(d) insignificant, small, unnoticeable

The average computer user has between 5 and 15 username/password combinations to log in to email accounts, social networking sites, discussion boards, news and entertainment sites, online stores, online banking accounts, or other websites. For people who use email or other internet applications at work, the number of required username/password combinations may surpass 30. Some of these accounts demand that you use a specific number of symbols and digits, while others require you to change your password every 60 days. When you add to this list the codes needed to access things like ATMs, home alarm systems, padlocks, or voicemail, the number of passwords becomes staggering. The feeling of frustration that results from maintaining a memorized list of login credentials has grown so prevalent that it actually has a name: password fatigue.

Having to remember so many different passwords is irritating, but it can also be dangerous. Because it is virtually impossible to remember a unique password for each of these accounts, many people leave handwritten lists of usernames and passwords on or next to their computers. Others solve this problem by using the same password for every account or using extremely simple passwords. While these practices make it easier to remember login information, they also make it exponentially easier for thieves to hack into accounts.

Single sign-on (SSO) authentication and password management software can help mitigate this problem, but there are drawbacks to both approaches. SSO authentication can be used for related, but independent software systems. With SSO, users log in once to access a variety of different applications. Users only need to remember one password to log in to the main system; the SSO software then automatically logs the user in to other accounts within the system. SSO software is typically used by large companies,

schools, or libraries. Password management software, such as KeePass and Password Safe, is most often used on personal computers. These software programs—which have been built into many major web browsers—store passwords in a remote database and automatically “remember” users’ passwords for a variety of sites.

The problem with both SSO authentication and password management software is that the feature that makes them useful is also what makes them vulnerable. If a user loses or forgets the password required to log in to SSO software, the user will then lose access to all of the applications linked to the SSO account. Furthermore, if a hacker can crack the SSO password, he or she will then have access to all of the linked accounts. Users who rely on password management software are susceptible to the same problems, but they also incur the added threat of passwords being compromised because of computer theft.

Although most websites or network systems allow users to recover or change lost passwords by providing email addresses or answering a prompt, this process can waste time and cause further frustration. What is more, recovering a forgotten password is only a temporary solution; it does not address the larger problem of password fatigue.

Some computer scientists have suggested that instead of passwords, computers rely on biometrics. This is a method of recognizing human users based on unique traits, such as fingerprints, voice, or DNA. Biometric identification is currently used by some government agencies and private companies, including the Department of Defense and Disney World. While biometrics would certainly eliminate the need for people to remember passwords, the use of biometrics raises ethical questions concerning privacy and can also be expensive to implement.

The problems associated with SSO, password management software, and biometrics continue to stimulate software engineers and computer security experts to search for the cure to password fatigue. Until they find the perfect solution, however, everyone will simply have to rely on the flawed password system currently in place

8. Which of the following best describes the organization of the passage?

(a) The passage organizes ideas in order of increasing importance

(b) The author presents an argument and then uses evidence to dismiss opposing views

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<p>(c) The author explains a problem, explores solutions, and then dismisses these solutions as inadequate</p> <p>(d) The author explains a problem and then persuades readers to agree with his or her solution to the problem</p> <p>9. The passage discusses all of the following solutions to password fatigue except</p> <p>(a) writing the passwords down on a piece of paper</p> <p>(b) voice-recognition software</p> <p>(c) KeePass</p> <p>(d) intelligent encryption</p> <p>10. As used in paragraph 3, which is the best synonym for mitigate?</p> <p>(a) predict</p> <p>(b) postpone</p> <p>(c) investigate</p> <p>(d) lessen</p> <p>11. According to the passage, SSO authentication software may be safer than password management software because</p> <p>I. stolen personal computers contain passwords memorized by a user's web browser</p> <p>II. if a user of password management software forgets his or her login credentials, the user can no longer access any of the applications protected by the password</p> <p>III. hackers who access password management software can gain access to all of the applications protected by that password</p> <p>(a) I only</p> <p>(b) II only</p> <p>(c) I and II only</p> <p>(d) II and III only</p> <p>12. Which of the following statements from the passage represents an opinion, as opposed to a fact?</p> <p>(a) "For people who use email or other internet applications at work, the number of required username/password combinations may surpass 30"</p>	<p>(b) "The feeling of frustration that results from maintaining a memorized list of login credentials has grown so prevalent that it actually has a name: password fatigue"</p> <p>(c) "Having to remember so many different passwords is irritating, but it can also be dangerous"</p> <p>(d) "Additionally, recovering a forgotten password is only a temporary solution; it does not address the larger problem of password fatigue"</p> <p>13. In paragraph 6, the author notes that "the use of biometrics raises ethical questions concerning privacy." Which of the following situations could be used as an example to illustrate this point?</p> <p>(a) A thief steals a personal computer with password management software and gains access to private email accounts, credit card numbers, and bank statements</p> <p>(b) An employee at a company uses a voice recognition system to log in to his computer, only to be called away by his boss. While he is away from the computer but still logged in, another employee snoops on his computer and reads personal email correspondence</p> <p>(c) A computer hacker gains access to a system that uses SSO software by cracking the password, thus gaining private access to all linked accounts</p> <p>(d) A company that employs fingerprint identification security software turns over its database of fingerprints to the local police department when a violent crime occurs on its grounds</p> <p>14. In the final paragraph, the author's tone can best be described as</p> <p>(a) angry</p> <p>(b) resigned</p> <p>(c) confused</p> <p>(d) hopeful</p> <p>15. 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) Cheese</p> <p>(b) Milk</p> <p>(c) Curd</p>
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<p>(d) Ghee</p> <p>16. Helga is uglier than Olga but prettier than Ilga. Olga is prettier than Gretel. Ilga is uglier than Gretel. If the first two statements are true, the third is _____.</p> <p>(a) false (b) uncertain (c) true (d)</p> <p>17. Crackers are drier than bread, which is drier than butter. Butter is drier than oil but moister than potatoes. Potatoes are drier than crackers. If the first two statements are true, the third is _____.</p> <p>(a) uncertain (b) true (c) false (d)</p> <p>18. Computers are more complex than typewriters, which are more complex than pencils. Pencils are less complex than ink wells but more complex than flint stones. Typewriters are more complex than flint stones. If the first two statements are true, the third is _____.</p> <p>(a) false (b) true (c) uncertain (d)</p> <p>19. Lauren was better at cooking than she was at sewing. Barbara was better at scheduling than Lauren was at sewing. Barbara was better at scheduling than Lauren was at cooking. if the first two statements are true, the third is _____.</p> <p>(a) uncertain (b) true (c) false (d)</p>	<p>20. Nancy was pickier about vegetables than she was about fruits. Tim less picky about beers than Nancy was about fruits. nancy was pickier about vegetables than Tim was picky about beers. If the first two statements are true, the third is _____.</p> <p>(a) true (b) false (c) uncertain (d)</p> <p>21. John is less conceited than Jeremy but more conceited than George. George is less humble than William. John is less conceited than William. If the first two statements are true, the third is _____.</p> <p>(a) uncertain (b) true (c) false (d)</p> <p>22. In a box, there are 8 red, 7 blue and 6 green balls. One ball is picked up randomly. What is the probability that it is neither red nor green?</p> <p>(a) $1/3$ (b) $3/4$ (c) $7/19$ (d) $8/21$</p> <p>23. What is the probability of getting a sum 9 from two throws of a dice?</p> <p>(a) $1/6$ (b) $1/8$ (c) $1/9$ (d) $1/12$</p> <p>24. A boat covers a certain distance downstream in 1 hour, while it comes back in 1 hours. If the speed of the stream be 3 kmph, what is the speed of the boat in still water?</p> <p>(a) 12 kmph</p>
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<p>(b) 13 kmph (c) 14 kmph (d) 15 kmph</p> <p>25. In a camp, there is a meal for 120 men or 200 children. If 150 children have taken the meal, how many men will be catered to with remaining meal?</p> <p>(a) 20 (b) 30 (c) 40 (d) 50</p> <p>26. In Jessica's opinion, her weight is greater than 65 kg but less than 72 kg. Her brother does not agree with Jessica and he thinks that Jessica's weight is greater than 60 kg but less than 70 kg. Her mother's view is that her weight cannot be greater than 68 kg. If all are correct in their estimation, what is the average of different probable weights of Jessica?</p> <p>(a) 67 kg (b) 68 kg (c) 69 kg (d) Data inadequate</p> <p>27. The average weight of A, B and C is 45 kg. If the average weight of A and B be 40 kg and that of B and C be 43 kg, then the weight of B is</p> <p>(a) 17 kg (b) 20 kg (c) 26 kg (d) 31 kg</p> <p>28. Helen went to the stationers and bought things worth Euro 25, out of which 30 paise went on sales tax on taxable purchases. If the tax rate was 6%, then what was the cost of the tax free items?</p> <p>(a) Euro 15 (b) Euro 15.7 (c) Euro 19.7 (d) Euro 20</p>	<p>29. The population of a town increased from 1,75,000 to 2,62,500 in a decade. The average percent increase of population per year is</p> <p>(a) 4.37% (b) 5% (c) 6% (d) 8.75%</p> <p>30. Look carefully for the pattern, and then choose which pair of numbers comes next 28 25 5 21 18 5 14</p> <p>(a) 11 5 (b) 10 7 (c) 11 8 (d) 5 10</p> <p>31. Look carefully for the pattern, and then choose which pair of numbers comes next 8 11 21 15 18 21 22</p> <p>(a) 25 18 (b) 25 21 (c) 25 29 (d) 24 21</p> <p>32. What will be the ratio of simple interest earned by certain amount at the same rate of interest for 6 years and that for 9 years?</p> <p>(a) 1 : 3 (b) 1 : 4 (c) 2 : 3 (d) Data inadequate</p>
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<p>Read the below passage carefully and answer the questions:</p> <p>Some groups want to outlaw burning the flag. They say that people have fought and died for the flag and that citizens of the United States ought to respect that. But I say that respect cannot be legislated. Also, most citizens who have served in the military did not fight for the flag, they fought for what the flag represents. Among the things the flag represents is freedom of speech, which includes, I believe, the right for a citizen to express displeasure with the government by burning the flag in protest.</p> <p>33. Which of the following is similar to the argument made by the speaker?</p> <p>(a) The rich should not be allowed to "buy" politicians, so the Congress should enact campaign finance reform</p> <p>(b) The idea of freedom of religion also means the right not to participate in religion, so mandated school prayer violates freedom of religion</p> <p>(c) The Constitution guarantees freedom to own property, so taxes should be illegal</p> <p>(d) Convicted felons should not have their convictions overturned on a technicality</p> <p>34. Which of the following, if true, would weaken the speaker's argument?</p> <p>(a) An action is not considered a part of freedom of speech</p> <p>(b) People who burn the flag usually commit other crimes as well</p> <p>(c) The flag was not recognized by the government until 1812</p> <p>(d) State flags are almost never burned</p> <p>35. Which of the following best expresses the main point of the passage?</p> <p>(a) Only veterans care about the flag-burning issue</p> <p>(b) Flag burning almost never happens, so outlawing it is a waste of time</p> <p>(c) Flag burning will be a very important issue in the next election</p> <p>(d) To outlaw flag burning is to outlaw what the flag represents</p>	<p>Read the below passage carefully and answer the questions:</p> <p>Giving children computers in grade school is a waste of money and teachers time. These children are too young to learn how to use computers effectively and need to spend time on learning the basics, like arithmetic and reading. After all, a baby has to crawl before she can walk. -</p> <p>36. Which of the following, if true, would strengthen the speaker's argument?</p> <p>(a) studies showing computers are expensive</p> <p>(b) research on the effect of computer games on children</p> <p>(c) examples of high school students who use computers improperly</p> <p>(d) evidence that using computers makes learning to read difficult</p> <p>37. Which of the following, if true, would weaken the speaker's argument?</p> <p>(a) a demonstration that computers can be used to teach reading and arithmetic</p> <p>(b) analysis of the cost-effectiveness of new computers versus repairing old computers</p> <p>(c) examples of adults who do not know how to use computers</p> <p>(d) recent grade reports of students in the computer classes</p> <p>38. Statement: Should high chimneys be installed in industries?</p> <p>Arguments:</p> <p>1. Yes. It reduces pollution at ground level 2. No. It increases pollution in upper atmosphere</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>
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<p>39. Statement: Does India need so many plans for development?</p> <p>Arguments:</p> <p>1. Yes. Nothing can be achieved without proper planning 2. No. Too much time, money and energy is wasted on planning</p> <p>(a) Only argument I is strong (b) Only argument II is strong (c) Either I or II is strong (d) Neither I nor II is strong</p> <p>40. Statements: In a highly centralised power structure, in which even senior cabinet ministers are prepared to reduce themselves to pathetic countries or yesmen airing views that are primarily intended to anticipate or reflect the Prime Minister's own performances, there can be no place for any consensus that is quite different from real or contrived unanimity of opinion, expressed through a well orchestrated endorsement of the leader's actions</p> <p>Conclusions:</p> <p>1. The Ministers play safe by not giving anti-government views 2. The Prime Minister does not encourage his colleagues to render their own views</p> <p>(a) Only conclusion I follows (b) Only conclusion II follows (c) Either I or II follows (d) Neither I nor II follows</p> <p>For questions 41 to 44 choose the answer which is a necessary part of the given word</p> <p>41. harvest</p> <p>(a) autumn (b) stockpile (c) tractor (d) crop</p>	<p>42. desert</p> <p>(a) cactus (b) arid (c) oasis (d) flat</p> <p>43. book</p> <p>(a) fiction (b) pages (c) pictures (d) learning</p> <p>44. language</p> <p>(a) tongue (b) slang (c) writing (d) words</p> <p>45. Applying for Seasonal Employment occurs when a person requests to be considered for a job that is dependent on a particular season or time of year. Which situation below is the best example of Applying for Seasonal Employment?</p> <p>(a) The ski instructors at Top of the Peak Ski School work from December through March (b) Matthew prefers jobs that allow him to work outdoors (c) Lucinda makes an appointment with the beach resort restaurant manager to interview for the summer waitressing position that was advertised in the newspaper (d) Doug's ice cream shop stays open until 11 p.m. during the summer months</p>
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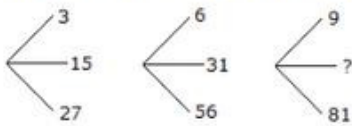
46. Look carefully at the sequence of symbols to find the pattern. Select correct pattern



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

47.

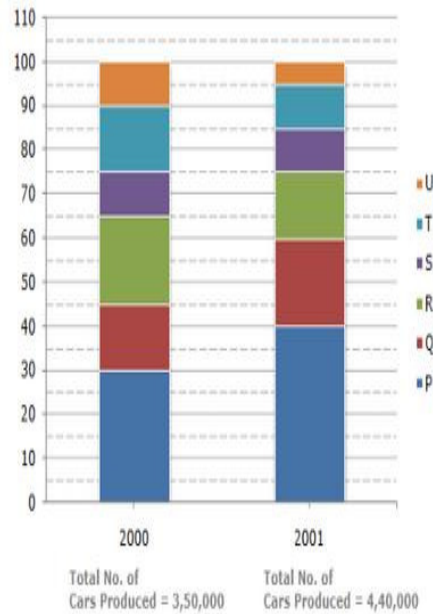
Which one will replace the question mark ?



- (a) 45
- (b) 41
- (c) 32
- (d) 40

The bar graph given below shows the percentage distribution of the total production of a car manufacturing company into various models over two years

Percentage of Six different types of Cars manufactured by a Company over Two Years



48. What was the difference in the number of Q type cars produced in 2000 and that produced in 2001?

- (a) 35,500
- (b) 27,000
- (c) 22,500
- (d) 17,500

49. Total number of cars of models P, Q and T manufactured in 2000 is?

- (a) 2,45,000
- (b) 2,27,500
- (c) 2,10,000
- (d) 1,92,500

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50. If the percentage production of P type cars in 2001 was the same as that in 2000, then the number of P type cars produced in 2001 would have been?

- (a) 1,40,000
- (b) 1,32,000
- (c) 1,17,000
- (d) 1,05,000

51. If 85% of the S type cars produced in each year were sold by the company, how many S type cars remain unsold?

- (a) 7650
- (b) 9350
- (c) 11,850
- (d) 12,250

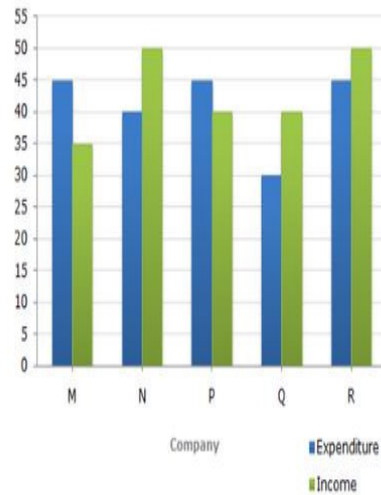
52. For which model the percentage rise/fall in production from 2000 to 2001 was minimum?

- (a) Q
- (b) R
- (c) S
- (d) T

The following bar graph shows the Income and Expenditures (in million US \$) of five companies in the year 2001. The percent profit or loss of a company is given by

$$\% \text{ Profit/Loss} = \frac{\text{Income} - \text{Expenditure}}{\text{Expenditure}} \times 100$$

Income and Expenditure (in million US \$) of five companies in the year 2001.



53. The companies M and N together had a percentage of profit/loss of?

- (a) 12% loss
- (b) 10% loss
- (c) 10% profit
- (d) There was no loss or profit

54. In 2001, what was the approximate percentage of profit/loss of all the five Companies taken together?

- (a) 5% profit
- (b) 6.5% profit
- (c) 4% loss
- (d) 7% loss

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55. Which company earned the maximum percentage profit in the year 2001?

- (a) M
- (b) N
- (c) P
- (d) Q

56. For Company R, if the expenditure had increased by 20% in year 2001 from year 2000 and the company had earned profit of 10% in 2000, what was the Company's income in 2000 (in million US \$)?

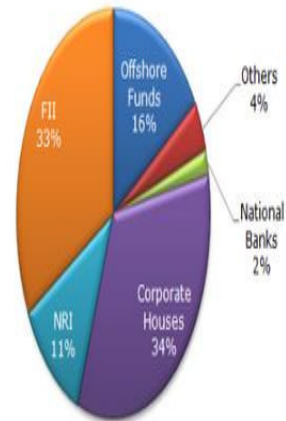
- (a) 35.75
- (b) 37.25
- (c) 38.5
- (d) 41.25

57. If the income of Company Q in 2001 was 10% more than its income in 2000 and the Company had earned a profit of 20% in 2000, then its expenditure in 2000 (in million US \$) was?

- (a) 28.28
- (b) 30.30
- (c) 32.32
- (d) 34.34

The following pie chart shows the amount of subscriptions generated for India Bonds from different categories of investors.

Subscriptions Generated for India Bonds



58. In the corporate sector, approximately how many degrees should be there in the central angle?

- (a) 120
- (b) 121
- (c) 122
- (d) 123

59. If the investment by NRI's are Rs 4,000 then the investments by corporate houses and FII's together is

- (a) 24,000
- (b) 24,363
- (c) 25,423
- (d) 25,643

60. What percentage of the total investment is coming from FII's and NRI's ?

- (a) 33%
- (b) 11%
- (c) 44%
- (d) 22%

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61. If the total investment other than by FII and corporate houses is Rs 335,000 then the investment by NRI's and Offshore funds will be (approximately) ?

- (a) 274,100
- (b) 285,600
- (c) 293,000
- (d) Cannot be determined

62. If the total investment flows from FII's were to be doubled in the next year and the investment flows from all other sources had remained constant at their existing levels for this year, then what would be the proportion of FII investment in the total investment into India Bonds next year (in US \$ millions) ?

- (a) 40 %
- (b) 50 %
- (c) 60 %
- (d) 70 %

63. What is the approximate ratio of investment flows into India Bonds from NRI's to corporate houses ?

- (a) 1:4
- (b) 1:3
- (c) 3:1
- (d) Cannot be determined

The following line graph gives the percentage of the number of candidates who qualified an examination out of the total number of candidates who appeared for the examination over a period of seven years from 1994 to 2000.

Percentage of Candidates Qualified to Appeared in an Examination Over the Years



64. The difference between the percentage of candidates qualified to appeared was maximum in which of the following pairs of years?

- (a) 1994 and 1995
- (b) 1997 and 1998
- (c) 1998 and 1999
- (d) 1999 and 2000

65. In which pair of years was the number of candidates qualified, the same?

- (a) 1995 and 1997
- (b) 1995 and 2000
- (c) 1998 and 1999
- (d) Data inadequate

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<p>66. If the number of candidates qualified in 1998 was 21200, what was the number of candidates appeared in 1998?</p> <p>(a) 32000 (b) 28500 (c) 26500 (d) 25000</p> <p>67. If the total number of candidates appeared in 1996 and 1997 together was 47400, then the total number of candidates qualified in these two years together was?</p> <p>(a) 34700 (b) 32100 (c) 31500 (d) Data inadequate</p> <p>68. The total number of candidates qualified in 1999 and 2000 together was 33500 and the number of candidates appeared in 1999 was 26500. What was the number of candidates in 2000?</p> <p>(a) 24500 (b) 22000 (c) 20500 (d) 19000</p> <p>69. Dr. Miller has a busy pediatric dentistry practice and she needs a skilled, reliable hygienist to keep things running smoothly. The last two people she hired were recommended by top dentists in the area, but they each lasted less than one month. She is now in desperate need of a hygienist who can competently handle the specific challenges of her practice. Which one of the following candidates should Dr. Miller consider most seriously?</p> <p>(a) Marilyn has been a hygienist for fifteen years, and her current employer, who is about to retire, says she is the best in the business. The clientele she has worked with consists of some of the wealthiest and most powerful citizens in the county</p>	<p>(b) Lindy recently graduated at the top of her class from one of the best dental hygiene programs in the state. Prior to becoming a dental hygienist, Lindy spent two years working in a day care center</p> <p>(c) Ames has worked as a dental hygienist for three years in a public health clinic. He is very interested in securing a position in a private dental office</p> <p>(d) Kathy is an experienced and highly recommended dental hygienist who is also finishing up a degree in early childhood education, which she hopes will get her a job as a preschool teacher. She is eager to find a job in a pediatric practice, since she has always wanted to work with children</p> <p>70. Mrs. Jansen recently moved to Arizona. She wants to fill her new backyard with flowering plants. Although she is an experienced gardener, she isn't very well-versed in what plants will do well in the Arizona climate. Also, there is a big tree in her backyard making for shady conditions and she isn't sure what plants will thrive without much direct sunlight. Her favorite gardening catalog offers several backyard seed packages. Which one should Mrs. Jansen choose?</p> <p>(a) The Rainbow Collection is ideal for North-east gardens. It includes a variety of colorful perennials that thrive in cool, moist conditions</p> <p>(b) The Greenhouse Collection will blossom year after year if planted in brightly lit locations and watered regularly</p> <p>(c) The Treehouse Collection will provide lush green plants with delicate colorful flowers that thrive in shady and partially shady locations</p> <p>(d) The Oasis Collection includes a variety of perennials that thrive in dry climates and bright sunlight</p> <p>Breville is a company which produces kitchen appliances, such as toasters and kettles. The company was formed in 1960 by the Breville family before being bought in 1980. Since this date, the company has doubled its work force and intends to re-locate to larger premises. In preparation for this, the company is currently searching for a local warehouse that may be converted to suit its needs.</p> <p>Such premises must have a loading dock, an office area and, most importantly, a large open space where the factory floor can be located. The Breville company is well known for its use of automated machines as part of its work force, and will continue with this practice in its new location.</p>
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71. Which of the statements best completes the following sentence? The Breville company....

- (a) Has doubled its work force since 1960
- (b) Intends to replace the majority of its work force with automated machines
- (c) Produces electronic items, such as TVs and computers
- (d) Has doubled its work force since 1980

A common consideration for those applying for undergraduate study is which topic to read. This consideration is of paramount importance in light of the current cost of undergraduate study in the United Kingdom. With many graduates accumulating large levels of debt, and a reduction in the level of graduates gaining graduate level employment within the first five years of graduating, many prospective students are re-considering their subject choice. Statistics suggest that classic subjects, such as English literature and history, have suffered from a reduced number of applicants in recent years. Vocational subjects, such as law, medicine and journalism, those which demonstrate a clear career path, remain popular. The total number of applicants has also been affected, with five percent less A level students vying for a position than last year.

72. Which of the statements below cannot be used to complete the following sentence? Since the rise in tuition fees...

- (a) Vocational subjects have seen an increase in applicants
- (b) Classical subjects have suffered a reduction in applicants
- (c) Many graduates are leaving university with manageable debt levels
- (d) The total number of people applying for undergraduate study has fallen

The Times University Guide is an annually published table placing the universities in the UK in order of their standard of education. Whilst the first place on the table is traditionally represented by either Oxford or Cambridge, there is much rivalry between other institutions to achieve a high-ranking place on the list. Amongst other factors, the guide takes into account the quantity and quality of research, published by each university, the number of students who complete

the course, the university's average entry requirement and the level of spending on facilities. Unlike many other university guides, the Times University Guide takes into account student satisfaction. This figure is collected from a survey given to current students at the institution, asking them to rate their university. Other league tables are published by the Guardian and the Complete University Guide.

73. Which one of the following statements is most true?

- (a) The Times University Guide relies only on information from student surveys
- (b) The Times University Guide is based on average entry requirements
- (c) The number of students completing the course is a weakness for institutions
- (d) The first place position is usually Oxford or Cambridge

The passage provides information on the annual profit and popularity of several top tourist attractions in the United Kingdom. The information is provided by visitengland.com, a website that promotes tourism within the UK. Statistics provided by visit England note that over 30 million international visitors travel to London every year, marking the city as the most popular international travel destination in the world. In 2011, London's most popular tourist destination was Madame Tussauds. Outside of the capital, popular tourist destinations include Alton Towers and the Cadburys Factory. Tourist attractions contribute over two billion pounds to the economy and can be seen as one of the most profitable sectors.

74. Which of the following statements is definitely false?

- (a) Visitengland.com provides information on the popularity of tourist destinations
- (b) Visitengland.com states London is most popular for domestic holidays
- (c) Visitengland.com states over 30 million visitors to London annually
- (d) Visitengland.com names London the most popular international travel destination

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Mr Piggins Ltd is a small, home-run company that makes sausages. To date, Mr Piggins' products have been sold at local farmers' markets and county fairs; however, the company is keen to break into supermarkets' and larger stores. This will enable the company to reach a wider audience, such as business professionals and those with families who may be currently unfamiliar with the company and its products. However, the company is keen to maintain its current family-run personal, and as such currently refuse to take up larger premises. In the view of many supermarket executives, this has limited their ability to sell the Mr Piggins product, due to the concern that the company will be unable to cope with the supply and demand of supermarket buyers.

75. Why does Mr Piggins company face difficulty breaking into the supermarket arena?

- (a) Mr Piggins may not cope with the supply and demand of supermarkets
- (b) Mr Piggins is unpopular with consumers
- (c) Mr Piggins products are unpopular with supermarket customers
- (d) Mr Piggins products do not conform to health and safety standards

This passage outlines the debate regarding the usefulness of social marketing websites as a marketing tool. One side of this debate suggests that such websites allow companies to reach the widest target audience possible, and as such, are a powerful advertising tool. In addition to this social networking sites, such as Facebook, provide information such as age, occupation, relationship status, location and often personal 'likes'. In this way, such websites provide companies with a large amount of information, allowing companies to target their product at their ideal with greater ease and efficiency. On the other side of the debate, critics suggest that such websites encourage the publication of personal information on a never before seen level. In this way, companies are in a position to take advantage of previously private information.

76. Which one of the following statements is not definitely true?

- (a) Social networking sites provide a powerful advertising tool
- (b) Social networking sites place users in a vulnerable position

(c) Social networking sites encourage the publication of private information

(d) Social networking is used as a marketing tool

This passage provides information on the subsidising of renewable energy and its effect on the usage of fossil fuels. The issue of subsidising sources of renewable energy came to the forefront of global politics as record emissions levels continue to be reached despite caps on carbon emissions being agreed up by several global powers.

However, renewable sources tend to be more expensive than their fossil-fuel counterparts. In this way, renewable energy cannot be seen as a realistic alternative to fossil-fuel until it is at a price universally achievable. On the opposite side of the spectrum, commentators note that the average temperature is expected to rise by four degrees by the end of the decade.

In order to prevent this, they suggest carbon emissions must be reduced by seventy per cent by 2050. Such commentators advocate government subsidised renewable energy forms as a way to achieve this target.

77. Which one of the following statements is false?

- (a) To be more viable, renewable energy must be more financially available
- (b) Government subsidising could reduce renewable energy cost
- (c) The average temperature in the UK is set to rise by 4% by 2050
- (d) Fossil-fuels are currently cheaper than forms of renewable energy

This passage aims to outline the debate regarding the benefit of protecting wilderness land, where mankind is unrepresented, versus using such lands for the good of mankind. Commentators suggest that man's use of such land, whether to build houses or reap the resources that can be extracted, diminishes the value of such spaces. Opposing this line of thought is the view that to corner off such spaces prevents human progress and limits the possibilities of expansion. In accordance with this line of thought, to limit the use of such resources increases their monetary value, placing those with limited resources at a disadvantage.

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<p>78. Which one of the following statements cannot be learnt from the information in the above passage?</p> <p>(a) Wilderness land provides future generations with natural substances</p> <p>(b) Preservation of wilderness land prevents human progress</p> <p>(c) By preventing the use of limited resources, their value increases</p> <p>(d) Expansion may be limited by the preservation of wilderness land</p> <p>Eating organic foods will not make you healthier, say researchers at Stanford University. A meta-analysis of over two hundred studies assessing the health gains of organic over non organic foods has failed to identify any health benefits of eating organic foods over non organic foods, even though organic foods were thirty percent less likely to contain pesticides. Organic and non-organic fruit and vegetables were shown to have similar amounts of vitamins and minerals; milk was shown to have the same amount of fat and protein. Critics however say that more research is required, and until then it is inconclusive as to the effect of organic foods. Similarly it is stated that because none of the studies ran for longer than 2 years.</p> <p>79. Which one of the following statements cannot be learnt from the passage</p> <p>(a) Over two hundred studies were assessed</p> <p>(b) Organic and non-organic fruit has the same amount of vitamins</p> <p>(c) Organic and non-organic meat had the same amount of protein</p> <p>(d) Organic and non-organic milk had the same amount of fat</p>	<p>This passage examines the view that the punishment of criminals is the underlying aim of the criminal justice system, rather than rehabilitation. When looking at the criminal justice system in the United Kingdom, statistics suggest that those convicted of crimes are more likely to re-offend if given a prison sentence than any other sentence, such as community orders or mandatory alcohol or drug dependency support. In addition, those with dependency problems are more likely to further develop their dependency in in prison. However, many sectors of society continue to see non-custodial sentences as the 'easy way out' for offender. In this way, the underlying aim of the criminal justice continues to be attempting to punish rather than rehabilitate.</p> <p>80. Which of the following statements is true?</p> <p>(a) Prisoners are 3x more likely to offend than those serving community orders</p> <p>(b) illegal substances are easier to acquire in prison</p> <p>(c) Prisoners are more likely to offend than those serving community orders</p> <p>(d) Community orders continue to be 'an easy way out' for offenders</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"/>
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"/>
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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"/>