

Model Test Paper 51
General Study Paper II

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

TEST BOOKLET
GENERAL STUDIES
Paper-II

C

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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Right now I am looking at a shelf full of books. Yes, that's right. If you have some spare cash (the going rate is about \$89) and are looking to enhance your reading experience, then I highly suggest you consider purchasing an e-reader. E-readers are replacing the books of old, and I welcome them with open arms (as you should).

If you haven't heard of an e-reader and don't know what it is, then please permit the following explanation. An e-reader is a device that allows you to read e-books. An e-book is a book-length publication in digital form, consisting of text, images, or both, and produced on, published through, and readable on computers or other electronic devices. Sometimes the equivalent of a conventional printed book, e-books can also be born digital. The Oxford Dictionary of English defines the e-book as "an electronic version of a printed book," but e-books can and do exist without any printed equivalent. So now you know what an e-reader is. But you still may be wondering why they put printed books to shame. E-readers are superior to printed books because they save space, are environmentally friendly, and provide helpful reading tips and tools that printed books do not.

E-readers are superior to printed books because they save space. The average e-reader can store thousands of digital books, providing a veritable library at your fingertips. What is more, being the size and weight of a thin hardback, the e-reader itself is relatively petite. It is easy to hold and can fit in a pocketbook or briefcase easily. This makes handling ponderous behemoths such as *War and Peace*, *Anna Karenina*, and *Les Misérables* a breeze. Perhaps the only drawback to the space-saving aspect of an e-reader is that it requires you to find new things to put on your shelves.

In addition, e-readers are superior to books because they are environmentally friendly. The average novel is about 300 pages long. So, if a novel is printed 1000 times, it will use 300,000 pieces of paper. That's a lot of paper! If there are about 80,000 pieces of paper in a tree, this means it takes almost 4 trees to make these 1000 books. Now, we know that the average bestseller sells about 20,000 copies per week. That means that it takes over 300 trees each month to sustain this rate. And for the super bestsellers, these figures increase dramatically. For example, the Harry Potter book series has sold over 450 million copies. That's about 2 million trees! Upon viewing these figures, it is not hard to grasp the severe impact of printed books on the environment. Since e-readers use no trees, they represent a significant amount of preservation in terms of the environment and its resources.

Finally, e-readers are superior to books because they provide helpful reading tips and tools that printed books do not. The typical e-reader allows its user to customize letter size, font, and line spacing. It also allows highlighting and electronic bookmarking. Furthermore, it grants users the ability to get an overview of a book and then jump to a specific location based on that overview. While these are all nice features, perhaps the most helpful of all is the ability to get dictionary definitions at the touch of a finger. On even the most basic e-reader, users can conjure instant definitions without having to hunt through a physical dictionary.

It can be seen that e-readers are superior to printed books. They save space, are environmentally friendly, and provide helpful reading tips and tools that printed books do not. So what good are printed books? Well, they certainly make nice decorations.

1. As used in paragraph 1, it can be inferred that "relics," "has-beens, old-timers, antiques, fossils" are all words that describe something

- (a) ancient
- (b) useless
- (c) outdated
- (d) pathetic

2. The tone of the author can best be described as

- (a) shrewd
- (b) conniving
- (c) persuasive
- (d) authoritative

3. According to the author, e-books

- I. were all once printed books
- II. may be "born digital"
- III. are able to display images

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

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<p>4. As used in paragraph 3, which of the following describes something that has been "put to shame"?</p> <p>(a) A dog is left outside on a frigid, dreary winter night</p> <p>(b) Team A defeats Team B in a humiliating rout</p> <p>(c) Martha is caught stealing at the mall and is arrested in front of a crowd of curious bystanders</p> <p>(d) The machine has countless moving parts and Dustin has trouble assembling it</p> <p>5. A thesis statement is a sentence that clearly describes what the author plans to discuss. Based on this information, which of the following sentences from the passage is the thesis statement?</p> <p>(a) If you have some spare cash (the going rate is about \$89) and are looking to enhance your reading experience, then I highly suggest you consider purchasing an e-reader</p> <p>(b) E-readers are replacing the books of old, and I welcome them with open arms (as you should)</p> <p>(c) An e-reader is a device that allows you to read e-books. An e-book is a book-length publication in digital form, consisting of text, images, or both, and produced on, published through, and readable on computers or other electronic devices</p> <p>(d) E-readers are superior to printed books because they save space, are environmentally friendly, and provide helpful reading tips and tools that printed books do not</p> <p>6. Based on its use in paragraph 4, it can be inferred that petite belongs to which of the following word families?</p> <p>(a) jubilant, euphoric, playful</p> <p>(b) compact, diminutive, little</p> <p>(c) cute, attractive, charming</p> <p>(d) light, airy, spacious</p> <p>7. Based on information in the passage, it can be inferred that War and Peace, Anna Karenina, and Les Misérables are all</p> <p>(a) authored by Europeans</p>	<p>(b) dense and impenetrable</p> <p>(c) timeless classics</p> <p>(d) awkward or unwieldy</p> <p>8. As used in paragraph 5, which is the best synonym for sustain?</p> <p>(a) maintain</p> <p>(b) allow</p> <p>(c) enforce</p> <p>(d) yield</p> <p>9. Which of the following, if true, would present the biggest challenge to the author's argument set forth in paragraph 5?</p> <p>(a) Books are not made only from whole trees, but from wood chips and forest waste as well</p> <p>(b) The natural resources required to read an e-book on an e-reader are greater than the natural resources required to make a printed book</p> <p>(c) The results of a recent survey show that people who read e-books are more likely to be distracted during their reading and remember less of the book</p> <p>(d) Although the printing of the extremely popular Harry Potter book series had significant environmental impact, the Harry Potter movie series cost almost no trees to make and was also very well-liked</p> <p>10. According to the author, which of the following reading tips and tools are offered by the e-reader?</p> <p>I. line spacing customization II. the ability to quickly jump to the end of a book III. access to an online thesaurus at the touch of a finger</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>
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<p>11. Which of the following best describes the organization of this passage?</p> <p>(a) introduction, thesis statement, supporting paragraphs, conclusion</p> <p>(b) history, thesis statement, supporting paragraphs, conclusion</p> <p>(c) advertisement, background, introduction, supporting paragraphs, examples, conclusion</p> <p>(d) introduction, background, thesis statement, supporting paragraphs, conclusion</p> <p>When using a metal file, always remember to bear down on the forward stroke only. On the return stroke, lift the file clear of the surface to avoid dulling the instrument's teeth. Only when working on very soft metals is it advisable to drag the file's teeth slightly on the return stroke. This helps clear out metal pieces from between the teeth. It is best to bear down just hard enough to keep the file cutting at all times. Too little pressure uses only the tips of the teeth, while too much pressure can chip the teeth. Move the file in straight lines across the surface. Use a vise to grip the work so that your hands are free to hold the file. Protect your hands by equipping the file with a handle. Buy a wooden handle and install it by inserting the pointed end of the file into the handle hole.</p> <p>12. These directions show you how to...</p> <p>(a) Work with a hammer</p> <p>(b) Use a file</p> <p>(c) Polish a file</p> <p>(d) Oil a vise</p> <p>13. When using a file...</p> <p>(a) Always bear down on the return stroke</p> <p>(b) Move it in a circle</p> <p>(c) Remove the handle</p> <p>(d) Press down on the forward stroke</p> <p>14. When working on soft metals, you can...</p> <p>(a) Remove the handle</p> <p>(b) Clear metal pieces from the teeth</p>	<p>(c) Bear down very hard on the return stroke</p> <p>(d) File in circles</p> <p>15. Protect your hands by...</p> <p>(a) Dulling the teeth</p> <p>(b) Dragging the teeth on the backstroke</p> <p>(c) Using a vise</p> <p>(d) Installing a handle</p> <p>Butter tea is a drink traditionally made and consumed by Tibetans and other Chinese minorities in south-western China as well as in Bhutan. The tea itself is made from tea leaves, Yak butter and salt. Drinking butter tea is an important part of Tibetan culture, with Tibetans typically drinking large quantities of the tea. Tibetans Nomads are said to drink up to 40 cups of Butter tea per day. Due to butter being the main ingredient, butter tea is a very warming drink that provides a large amount of caloric energy, making it a very appropriate beverage for the cold high altitude climate of Tibet</p> <p>16. Which one of the following best replaces "traditionally" while maintaining the meaning of the sentence?</p> <p>(a) Customarily</p> <p>(b) Conventionally</p> <p>(c) Habitually</p> <p>(d) Regularly</p> <p>17. Which one of the following best replaces "ingredient" while maintaining the meaning of the sentence?</p> <p>(a) Characteristic</p> <p>(b) Components</p> <p>(c) Constituent</p> <p>(d) Aspect</p>
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<p>Olympus Mons is an extremely large volcano located on the planet Mars, which is measured at a height of nearly 22 km. This makes Olympus Mons the largest known mountain on any planet in the solar system and the second largest mountain known to man, after Rheasilvia Mons on the asteroid 4 Vesta. Olympus Mons was identified by Astronomers in the late 19th century and was known as the albedo feature Nix Olympica (Latin for Olympic snow). Although Olympus Mons was long predicted to be a mountain, space probes later confirmed those suspicions beyond all reasonable doubt in 1971.</p> <p>18. Which one of the following best replaces "known" while maintaining the meaning of the sentence?</p> <p>(a) Identified (b) Famous (c) Eminent (d) Recognise</p> <p>19. Which one of the following best replaces "confirmed" while maintaining the meaning of the sentence?</p> <p>(a) Fuelled (b) Supported (c) Verified (d) Identified</p> <p>Employer branding refers to an organisation's perceived reputation as an employer. Similar to the way organisations brand themselves and their products to attract customers, employer branding is aimed at attracting and retaining talent. Key issues regarding employer branding include improving employee retention, building a strong organisational culture and receiving good press in the media. The importance of employer branding has become evidently worldwide, with employer branding initiatives being undertaken across the USA, Australasia, Asia and Europe.</p> <p>20. Which one of the following best replaces "attract" while maintaining the meaning of the sentence?</p> <p>(a) Gain (b) Entice</p>	<p>(c) Beguile (d) Increase</p> <p>21. Which one of the following best replaces "worldwide" while maintaining the meaning of the sentence?</p> <p>(a) Internationally (b) Globally (c) Transnationally (d) Intercontinentally</p> <p>The Armstrong limit, often called Armstrong's line, is a level of altitude in which water boils at 37°C, normal body temperature. It is named after Harry Armstrong, founder of the U.S. Air Force's department of space medicine in 1947. An atmospheric pressure of 6.3 kPa, experienced at very high altitude flight, is capable of inducing boiling at normal body temperature. As a result, exposed liquid such as saliva, tears and sweat literally boil off exposed skin. Due to the low amounts of oxygen and the effect of water boiling experienced at these altitudes, pilots are required to wear pressure suits when flying at or above the Armstrong limits</p> <p>22. Which one of the following best replaces "normal" while maintaining the meaning of the sentence?</p> <p>(a) Resting (b) Typical (c) Traditional (d) Regulars</p> <p>23. Which one of the following best replaces "altitudes" while maintaining the meaning of the sentence?</p> <p>(a) Summits (b) Tops (c) Peaks (d) Heights</p>
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<p>24. If the sequence of the alphabets is reversed which of the following would be the 14th letter from your left ?</p> <p>(a) N (b) L (c) O (d) None of these</p> <p>25. Select the one which is different from the other three</p> <p>(a) Bokaro (b) Jamshedpur (c) Bhilai (d) Agra</p> <p>26. Find the missing number</p> <table style="margin-left: 20px;"><tr><td>?</td><td>11</td><td>26</td><td>13</td></tr><tr><td>62</td><td>31</td><td>90</td><td>45</td></tr></table> <p>(a) 31 (b) 22 (c) 7 (d) 6</p> <p>27. Find the missing number</p> <table style="margin-left: 20px;"><tr><td>120</td><td>132</td><td>48</td><td>88</td><td>30</td></tr><tr><td>30</td><td>33</td><td>12</td><td>?</td><td>7.5</td></tr></table> <p>(a) 14 (b) 28 (c) 18 (d) 22</p> <p>28. How many 4-letter words with or without meaning, can be formed out of the letters of the word, 'LOGARITHMS', if repetition of letters is not allowed?</p> <p>(a) 40 (b) 400</p>	?	11	26	13	62	31	90	45	120	132	48	88	30	30	33	12	?	7.5	<p>(c) 5040 (d) 2520</p> <p>29. P can complete a work in 12 days working 8 hours a day, Q can complete the same work in 8 days working 10 hours a day. If both P and Q work together, working 8 hours a day, in how many days can they complete the work?</p> <p>(a) $5 \times 5 / 11$ (b) $5 \times 6 / 11$ (c) $6 \times 5 / 11$ (d) $6 \times 6 / 11$</p> <p>30. A, B, and C can complete a piece of work in 24, 6 and 12 days respectively. Working together, they will complete the same work in</p> <p>(a) $1/24$ day (b) $7/24$ day (c) $3 \times 3 / 7$ days (d) 4 days</p> <p>31. A man walking at the rate of 5 km/hr crosses a bridge in 15 minutes. The length of the bridge (in metres) is</p> <p>(a) 600 (b) 750 (c) 1000 (d) 1250</p> <p>32. A man invested Rs. 1552 in a stock at 97 to obtain an income of Rs. 128. The dividend from the stock is</p> <p>(a) 7.5% (b) 8% (c) 9.7% (d) 10%</p>
?	11	26	13																
62	31	90	45																
120	132	48	88	30															
30	33	12	?	7.5															

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<p>33. The cost price of a Rs. 100 stock at 4 discount, when brokerage is $1\frac{1}{4}\%$ is</p> <p>(a) Rs. 95.75 (b) Rs. 96 (c) Rs. 96.25 (d) Rs. 104.25</p> <p>34. The cash realised on selling a 14% stock is Rs.106.25, brokerage being $1\frac{1}{4}\%$ is</p> <p>(a) Rs. 105.50 (b) Rs. 105.90 (c) Rs. 106 (d) Rs. 113.75</p> <p>35. On a sports day, if 30 children were made to stand in a column, then 16 columns could be formed. If 24 children were to stand in a column, then how many columns could be formed?</p> <p>(a) 20 (b) 22 (c) 29 (d) 452</p> <p>36. How many pieces of 85cm length can be cut from a rod 42.5 metres long?</p> <p>(a) 30 (b) 40 (c) 60 (d) None of these</p> <p>37. What fraction of an hour is a second?</p> <p>(a) $1/24$ (b) $1/60$ (c) $1/120$ (d) $1/3600$</p>	<p>38. In a garden there are 10 rows and 12 columns of mango trees. The distance between the two trees is 2 metres and a distance of one metre is left from all sides of the boundary of the garden. The length of the garden is</p> <p>(a) 20 m (b) 22 m (c) 24 m (d) 26 m</p> <p>39. A boy was asked to multiply a number by 25. He instead multiplied the next number by 52 and got the answers 324 more than the correct answer. The number to be multiplied was</p> <p>(a) 10 (b) 12 (c) 15 (d) 25</p> <p>40. At what percent per annum will a sum of money double in 16 years?</p> <p>(a) $6\frac{1}{4}\%$ (b) $5\frac{3}{2}\%$ (c) $7\frac{2}{3}\%$ (d) None of these</p> <p>41. A circular well with a diameter of 2 metres, is dug to a depth of 14 metres. What is the volume of the earth dug out?</p> <p>(a) 32 m^3 (b) 36 m^3 (c) 40 m^3 (d) 44 m^3</p>
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<p>42. A hollow iron pipe is 21 cm long and its external diameter is 8 cm. If the thickness of the pipe is 1 cm and iron weighs 8 g/cm³, then the weight of the pipe is</p> <p>(a) 3.6 kg (b) 3.696 kg (c) 36 kg (d) 36.9 kg</p> <p>43. Some professors are interesting people. All interesting people are good conversationalists. Peter is a good conversationalist. Which of the following is true?</p> <p>(a) Peter might be a professor (b) Peter is an interesting person (c) Peter cannot be a professor (d) None of the other answers</p> <p>44. Some fanatics shout loudly. Some people who shout loudly get hoarse throats. John is fanatically devoted to video game playing. Which of the following is true?</p> <p>(a) John likely has a throat that is not hoarse (b) John likely does not have a hoarse throat (c) John's throat might be hoarse (d) John does not have a hoarse throat</p> <p>45. Standing next to a loud speaker can cause you to become deaf. Bob regularly stands next to loud speakers. Which of the following is true?</p> <p>(a) Bob likely will not become deaf (b) Bob is likely to become deaf (c) Bob will become deaf in the future (d) None of the above</p> <p>46. Buildings often are damaged in earthquakes. Blueburgh rarely has earthquakes. Which of the following is true?</p> <p>(a) Blueburgh is very safe</p>	<p>(b) Blueburgh has several damaged buildings (c) Blueburgh likely has few damaged buildings (d) None of the above</p> <p>47. Wind power is more popular than coal power. Coal power is more pragmatic because it is more cost-effective. The people of Uniontown are practical and, on average, tend to make purely practical choices. Which of the following is true?</p> <p>(a) The people of Uniontown will be more likely to choose coal power than wind power (b) The people of Uniontown will hate wind power (c) The people of Uniontown will likely love coal power (d) The people of Uniontown will love coal power</p> <p>48. Vermin infestations always bring down the price of a house. My house is filled with giant rats. Which of the following true?</p> <p>(a) My house needs fumigation (b) The valuation of my house is lower than it could be (c) My house will be worth less in the future (d) My house is a health risk</p> <p>49. Find the statement that must be true according to the given information.</p> <p>Sara lives in a large city on the East Coast. Her younger cousin Marlee lives in the Mid-west in a small town with fewer than 1,000 residents. Marlee has visited Sara several times during the past five years. In the same period of time, Sara has visited Marlee only once.</p> <p>(a) Marlee likes Sara better than Sara likes Marlee (b) Sara thinks small towns are boring (c) Sara is older than Marlee (d) Marlee wants to move to the East Coast</p>
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<p>50. Find the statement that must be true according to the given information.</p> <p>When they heard news of the hurricane, Maya and Julian decided to change their vacation plans. Instead of traveling to the island beach resort, they booked a room at a fancy new spa in the mountains. Their plans were a bit more expensive, but they'd heard wonderful things about the spa and they were relieved to find availability on such short notice.</p> <p>(a) Maya and Julian take beach vacations every year</p> <p>(b) The spa is overpriced</p> <p>(c) It is usually necessary to book at least six months in advance at the spa</p> <p>(d) Maya and Julian decided to change their vacation plans because of the hurricane</p> <p>51. Seahorse populations have declined everywhere that seahorses are fished. During the past five years, seahorse populations have decreased by 50%. Last year, biologists met to discuss what might be done to reverse this trend. -</p> <p>(a) Seahorses are likely to become extinct within five years</p> <p>(b) One way to increase seahorse populations is to ban the fishing of seahorses</p> <p>(c) Biologists from all over the world are working to save the seahorses</p> <p>(d) Seahorse fishermen have spoken out against the biologists</p> <p>52. Ten new television shows appeared during the month of September. Five of the shows were sitcoms, three were hour-long dramas, and two were news-magazine shows. By January, only seven of these new shows were still on the air. Five of the shows that remained were sitcoms.</p> <p>(a) Only one of the news-magazine shows remained on the air.</p> <p>(b) Only one of the hour-long dramas remained on the air. -</p> <p>(c) At least one of the shows that was cancelled was an hour-long drama</p> <p>(d) Television viewers prefer sitcoms over hour-long dramas</p>	<p>53. On weekends, Mr. Sanchez spends many hours working in his vegetable and flower gardens. Mrs. Sanchez spends her free time reading and listening to classical music. Both Mr. Sanchez and Mrs. Sanchez like to cook.</p> <p>(a) Mr. Sanchez enjoys planting and growing vegetables</p> <p>(b) Mr. Sanchez does not like classical music</p> <p>(c) Mrs. Sanchez cooks the vegetables that Mr. Sanchez grows</p> <p>(d) Mrs. Sanchez enjoys reading nineteenth century novels -</p> <p>54. Georgia is older than her cousin Marsha. Marsha's brother Bart is older than Georgia. When Marsha and Bart are visiting with Georgia, all three like to play a game of Monopoly. Marsha wins more often than Georgia does.</p> <p>(a) When he plays Monopoly with Marsha and Georgia, Bart often loses</p> <p>(b) Of the three, Georgia is the oldest</p> <p>(c) Georgia hates to lose at Monopoly</p> <p>(d) Of the three, Marsha is the youngest</p> <p>55. Mara runs faster than Gail Lily runs faster than Mara Gail runs faster than Lily</p> <p>If the first two statements are true, the third statement is</p> <p>(a) true</p> <p>(b) false</p> <p>(c) uncertain</p> <p>(d)</p>
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<p>56. Apartments in the Riverdale Manor cost less than apartments in The Gaslight Commons Apartments in the Livingston Gate cost more than apartments in the The Gaslight Commons Of the three apartment buildings, the Livingston Gate costs the most</p> <p>If the first two statements are true, the third statement is</p> <p>(a) true (b) false (c) uncertain (d)</p>	<p>statement is</p> <p>(a) true (b) false (c) uncertain (d)</p>
<p>57. The Kingston Mall has more stores than the Galleria The Four Corners Mall has fewer stores than the Galleria The Kingston Mall has more stores than the Four Corners Mall</p> <p>If the first two statements are true, the third statement is</p> <p>(a) true (b) false (c) uncertain (d)</p>	<p>60. Rover weighs less than Fido Rover weighs more than Boomer Of the three dogs, Boomer weighs the least</p> <p>If the first two statements are true, the third statement is</p> <p>(a) true (b) false (c) uncertain (d)</p>
<p>58. All the tulips in Zoe's garden are white All the pansies in Zoe's garden are yellow All the flowers in Zoe's garden are either white or yellow</p> <p>If the first two statements are true, the third statement is</p> <p>(a) true (b) false (c) uncertain (d)</p>	<p>61. All the offices on the 9th floor have wall-to-wall carpeting No wall-to-wall carpeting is pink None of the offices on the 9th floor has pink wall-to-wall carpeting</p> <p>If the first two statements are true, the third statement is</p> <p>(a) true (b) false (c) uncertain (d)</p>
<p>59. During the past year, Josh saw more movies than Stephen Stephen saw fewer movies than Darren Darren saw more movies than Josh</p> <p>If the first two statements are true, the third</p>	<p>62. Two dice are thrown simultaneously. What is the probability of getting two numbers whose product is even?</p> <p>(a) $1/2$ (b) $3/4$ (c) $3/8$ (d) $5/16$</p>

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<p>63. In a class, there are 15 boys and 10 girls. Three students are selected at random. The probability that 1 girl and 2 boys are selected, is</p> <p>(a) 21/46 (b) 25/117 (c) 1/50 (d) 3/25</p> <p>64. A boat can travel with a speed of 13 km/hr in still water. If the speed of the stream is 4 km/hr, find the time taken by the boat to go 68 km downstream</p> <p>(a) 2 hours (b) 3 hours (c) 4 hours (d) 5 hours</p> <p>65. 3 pumps, working 8 hours a day, can empty a tank in 2 days. How many hours a day must 4 pumps work to empty the tank in 1 day?</p> <p>(a) 9 (b) 10 (c) 11 (d) 12</p> <p>66. Look carefully for the pattern, and then choose which pair of numbers comes next</p> <p>9 16 23 30 37 44 51</p> <p>(a) 59 66 (b) 56 62 (c) 58 66 (d) 58 65</p> <p>67. Look carefully for the pattern, and then choose which pair of numbers comes next</p> <p>2 8 14 20 26 32 38</p> <p>(a) 2 46</p>	<p>(b) 44 50 (c) 42 48 (d) 40 42</p> <p>68. One New York publisher has estimated that 50,000 to 60,000 people in the United States want an anthology that includes the complete works of William Shakespeare. And what accounts for this renewed interest in Shakespeare? As scholars point out, his psychological insights into both male and female characters are amazing even today.</p> <p>This paragraph best supports the statement that</p> <p>(a) Shakespeare's characters are more interesting than fictional characters today (b) people even today are interested in Shakespeare's work because of the characters (c) academic scholars are putting together an anthology of Shakespeare's work (d) New Yorkers have a renewed interest in the work of Shakespeare</p> <p>69. One of the warmest winters on record has put consumers in the mood to spend money. Spending is likely to be the strongest in thirteen years. During the month of February, sales of existing single-family homes hit an annual record rate of 4.75 million.</p> <p>This paragraph best supports the statement that</p> <p>(a) consumer spending will be higher thirteen years from now than it is today (b) more people buy houses in the month of February than in any other month (c) during the winter months, the prices of single-family homes are the lowest (d) warm winter weather is likely to affect the rate of home sales</p> <p>70. Statements: Prime age school-going children in urban India have now become avid as well as more regular viewers of television, even in households without a TV. As a result there has been an alarming decline in the extent of readership of newspapers</p>
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Conclusions:

1. Method of increasing the readership of newspapers should be devised
2. A team of experts should be sent to other countries to study the impact of TV. on the readership of newspapers

- (a) Only conclusion I follows
(b) Only conclusion II follows
(c) Either I or II follows
(d) Neither I nor II follows

71. Statements: In Japan, the incidence of stomach cancer is very high, while that of bowel cancer is very low. But when Japanese immigrate to Hawaii, this is reversed - the rate of bowel cancer increases but the rate of stomach cancer is reduced in the next generation. All this is related to nutrition - the diets of Japanese in Hawaii are different than those in Japan

Conclusions:

1. The same diet as in Hawaii should be propagated in Japan also
2. Bowel cancer is less severe than stomach cancer

- (a) Only conclusion I follows
(b) Only conclusion II follows
(c) Either I or II follows
(d) Neither I nor II follows

Study the following table and answer the questions based on it.

Year	Item of Expenditure				
	Salary	Fuel and Transport	Bonus	Interest on Loans	Taxes
1998	288	98	3.00	23.4	83
1999	342	112	2.52	32.5	108
2000	324	101	3.84	41.6	74
2001	336	133	3.68	36.4	88
2002	420	142	3.96	49.4	98

Expenditures of a Company (in Pesetas) per Annum Over the given Years

72. What is the average amount of interest per year which the company had to pay during this period?

- (a) 32.43
(b) 33.72
(c) 34.18
(d) 36.66

73. The total amount of bonus paid by the company during the given period is approximately what percent of the total amount of salary paid during this period?

- (a) 0.1%
(b) 0.5%
(c) 1.0%
(d) 1.25%

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74. Total expenditure on all these items in 1998 was approximately what percent of the total expenditure in 2002?

- (a) 62%
- (b) 66%
- (c) 69%
- (d) 71%

75. The total expenditure of the company over these items during the year 2000 is?

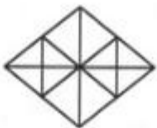
- (a) 544.44
- (b) 501.11
- (c) 446.46
- (d) 478.87

76. The ratio between the total expenditure on Taxes for all the years and the total expenditure on Fuel and Transport for all the years respectively is approximately?

- (a) 4.7
- (b) 10.13
- (c) 15.18
- (d) 5.8

77.

Find the number of triangles in the given figure.

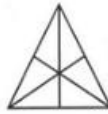


- (a) 16
- (b) 22
- (c) 28

(d) 32

78.

Find the number of triangles in the given figure.



- (a) 16
 - (b) 13
 - (c) 9
 - (d) 7
- 79.

Find the number of triangles in the given figure.

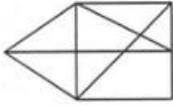


- (a) 11
- (b) 13
- (c) 15
- (d) 17

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80.

Find the number of triangles in the given figure.



- (a) 12
- (b) 13
- (c) 14
- (d) 15

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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"/>
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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"/>
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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"/>
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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"/>
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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"/>