

Model Test Paper 46
General Study Paper II

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TEST BOOKLET
GENERAL STUDIES
Paper-II

B

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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Model Test Paper 46
General Study Paper II

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| <p>Rousseau (1712-78) was one of the forerunners of the Romantic movement, and also one of the prophets of the French Revolution. He was by nature a rebel against existing conceptions of religion, art, education, marriage, government, and in book after book he propounded his own theories on these subjects. Rousseau advocated a return to nature. In the natural state, he held, man is happy and good, and it is only society that, by making life artificial, produces evil. His Emile, a treatise on education, advocated that children should be brought up in an atmosphere of truth, and it condemned the elaborate lies that society imposed on the average child including myths and fairy-stories.</p> <p>1. According to the passage, Rousseau</p> <p>(a) is the unique person who is a member of the Romantic movement</p> <p>(b) is among the pioneers of the Romantic movement</p> <p>(c) is rebellious against the French Revaluation</p> <p>(d) is the advocate of marriage</p> <p>2. We can conclude that Emile</p> <p>(a) is an essay on education</p> <p>(b) has been thoroughly discussed by academicians</p> <p>(c) has no philosophical background at all</p> <p>(d) is a work of Rousseau on how children should be brought up</p> <p>3. According to Rousseau, by making life artificial</p> <p>(a) Rousseau wrote a treatise on education</p> <p>(b) Rousseau's works produced evil concept</p> <p>(c) civilized man may become happy</p> <p>(d) civilization corrupts the human being</p> <p>Our demand for electricity is climbing so fast that over the next decade our generating capacity must increase by a third. Fossil fuels supply nearly three-quarters of this energy. But the smoke expelling coal, gas, and oil-fired plants are also responsible for half of our air pollution. That might be considered as a small price to pay for progress. But there's an alternative, one that produces no smoke and can actually create more fuel than it</p> | <p>consumes. In many regions it's even cheaper than coal-fired electricity: nuclear power. It may directly bring danger of radioactivity to the mind, but if other types of power didn't present equal and even worse problems, it would make no sense to consider nuclear power at all. But they do.</p> <p>4. Although 3/4 of the electricity is generated from fossil fuels,</p> <p>(a) we should consider the potential dangers of nuclear power</p> <p>(b) everything has got an expense; and nuclear power's is its radioactivity</p> <p>(c) it may contribute to global warming, the greenhouse effect</p> <p>(d) half of the air pollution is caused by the plants using them</p> <p>5. It's claimed in the passage that nuclear power</p> <p>(a) supplies three-quarters of the country's energy demand</p> <p>(b) is less dangerous and cheaper than other types of power</p> <p>(c) is a potential danger because it's radioactive</p> <p>(d) will present us a more polluted environment E) is more expensive to generate, but not a pollutant</p> <p>6. In the passage, the writer is worried that in the future</p> <p>(a) fossil based plants might bring bigger problems than nuclear energy</p> <p>(b) there's not a better alternative than fossil fuels</p> <p>(c) nuclear waste might be more dangerous than air pollution</p> <p>(d) they will have to build nuclear power stations one day</p> <p>Often mistaken for insects, spiders actually belong to a different classification of creatures, called arachnids. They're insects' worst enemies. Although a few species, such as the black widow and the brown recluse, are dangerous, the majority are harmless to humans. Moreover, they can be helpful. Pest control, for example is just one of the many ways spiders can help us. Because they kill far more pests than commercial insecticides do. In the future, perhaps if farmers</p> |
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Model Test Paper 46
General Study Paper II

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| <p>employ armies of spiders to protect their fields, our grocery bills will be lower and our soil and water and food will have fewer pesticide remains.</p> <p>7. Unlike many people think,</p> <p>(a) spiders can be used in insecticide industry</p> <p>(b) the black widow is a dangerous species of the spider</p> <p>(c) spiders are the worst enemy of insects</p> <p>(d) a spider is not a kind of insect at all</p> <p>8. The black widow and the brown recluse</p> <p>(a) are often confused with other species of spiders</p> <p>(b) do the greatest harm to soil, water, and food</p> <p>(c) are two of the few dangerous species of spiders</p> <p>(d) don't belong to the classification of creatures called "arachnids."</p> <p>9. In the future, agricultural products might be cheaper and healthier if</p> <p>(a) farmers used cheaper commercial insecticides</p> <p>(b) they found an effective way to get rid of spiders</p> <p>(c) some species of spiders weren't so harmful</p> <p>(d) armies of spiders are employed to protect the fields</p> <p>Homer is a Greek epic poet. Both the date and the place of his birth and death are not known precisely, but recent research suggests a date between 1050 and 800 BC. It has even been claimed that no such man as Homer existed and that the Iliad and the Odyssey are collections of traditional ballads and not the work of one man. In any event they were known all over the Greek-speaking world before the sixth century BC. The Iliad is an epic poem dealing with the siege of Troy by the Greeks. The Odyssey describes the wandering of Odysseus, a Greek seafarer, on his way back to Ithaca after the fall of Troy.</p> <p>10. We can infer from the passage that</p> <p>(a) it's not definite when and where Homer was born</p> | <p>(b) Homer only deals with poetry</p> <p>(c) recent research shows the impossibility of finding Homer's birth date</p> <p>(d) some suggest that he was born in 800 BC</p> <p>11. The Odyssey</p> <p>(a) belongs to another poet rather than Homer</p> <p>(b) explains the voyage of a sailor</p> <p>(c) has no connection with the Iliad</p> <p>(d) doesn't have a specific protagonist</p> <p>12. The works of Homer</p> <p>(a) have no potential readers</p> <p>(b) deal with the siege of Troy by the Greeks</p> <p>(c) have been thought to have different writers</p> <p>(d) are collections of traditional ballads</p> <p>Can you imagine a deaf woman writing stories about a war? Well, Laura Redden Searing did this. Moreover, she went to foreign countries to write stories. She was very ill when she was 11 years old. Because of this, she lost her hearing. She went to the Missouri School for the Deaf. Laura was 19 years old when she went to work for a newspaper. She wrote about people, places, and art. In 1859, most women were wives and mothers. They did not work outside the home; otherwise, their husbands would be angry. Due to this feeling, Laura used a man's name when she wrote her stories. She called herself Howard Glyndon. She thought that unless she used a man's name, people would be hostile since they did not think that women should write for newspapers. However, she would have no trouble provided that people did not know she was a woman.</p> <p>13. According to the passage, Laura Redden</p> <p>(a) happened to be ill because of her parents</p> <p>(b) was quite sad when hearing she would be deaf</p> <p>(c) did something incredible despite her handicap</p> <p>(d) was a deep supporter of feminism during her lifetime</p> |
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Model Test Paper 46
General Study Paper II

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| <p>14. It is implied in the passage that in the 19th century, women</p> <p>(a) were sent to the Missouri School for the Deaf</p> <p>(b) didn't have as an active role in the society as men</p> <p>(c) regarded themselves higher than the males ones</p> <p>(d) didn't agree on what to do for gaining equal status</p> <p>15. It is easy to infer from the passage that</p> <p>(a) Laura wasn't liked by her readers at all</p> <p>(b) writing wasn't an easy task for Laura</p> <p>(c) Howard Glyndon was Laura's close friend</p> <p>(d) being a female was an advantage for being an author</p> <p>Sometimes an animal copes with a changed situation, not by adapting to it, but by moving from it to another location. There it may still have to adapt, but the type of adaptation may be easier. There are primitive races of man that have attempted to avoid the pressures or changes that civilization brings. They have had to adjust to living in remote or harsh condition. Examples are the pygmies of the Congo who have escaped into the thickest jungles which are full of dangers. They have learned to obtain a living there and to cope with the hazards of savage animals. African bushmen manage to live off the arid Kalahari Desert where there is hardly any other life. Life is tough for the bushmen but they are left in peace. These social adaptations could well lead to biological adaptations over a number of generations, but this is a very slow progress and it is unlikely that any one person would be aware of it taking place.</p> <p>16. Instead of adaptation, an animal</p> <p>(a) goes around for finding a prey</p> <p>(b) prefers not to live in another environment</p> <p>(c) is in need of food and water</p> <p>(d) moves into different habitat from time to time</p> | <p>17. Some earliest human beings</p> <p>(a) have nothing to do with adaptation</p> <p>(b) are not primitive at all</p> <p>(c) had to live in distant and unpleasant environment</p> <p>(d) become civilized easily</p> <p>18. It is clear in the passage that</p> <p>(a) life is hard for the bushmen so they gave up</p> <p>(b) the pygmies of the Congo were subject to the dangers of wild animals</p> <p>(c) Possibly the slow change is still taking place in mankind today</p> <p>(d) No man has more difficulties than African bushmen</p> <p>It was a man who lived before the time of Christopher Columbus that was the world's first great traveler. His name was Marco Polo. With his father and his uncle, he traveled from Italy to China, crossing mountains and deserts to get there. In China a king called Kublai Khan was pleased to see the Polos and had them live near to him. They stayed for twenty-three years. Kublai Khan sent Marco to other countries to do business for him. When Marco finally returned to Italy, he wrote all about his adventures in a book, which was read by Columbus and many other people, who also became interested in traveling to strange countries.</p> <p>19. This story is mainly about</p> <p>(a) the world's first great traveller</p> <p>(b) travelling from Italy to China</p> <p>(c) why Polo went to the far east</p> <p>(d) Marco Polo and Kublai Khan</p> <p>20. The reason that Marco Polo is called great is not that</p> <p>(a) he traveled very far to reach China for a new world</p> <p>(b) he wrote about his adventures in a book, which many people read</p> <p>(c) he was so well liked by the king of China</p> <p>(d) he achieved fame thanks to his good reasoning</p> |
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Model Test Paper 46
General Study Paper II

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| <p>21. We know from the story that after he turned back,</p> <p>(a) Marco brought out a book inspiring new voyages</p> <p>(b) Marco stayed in Italy for twenty-three years</p> <p>(c) Kublai Khan knew that Marco had crossed mountains and deserts</p> <p>(d) Kublai Khan sent Columbus to other countries for business</p> <p>Have you ever wondered whether fish drink or not? All living things must drink, and they require a fresh supply of water often. A person can go without food for many days, but he or she cannot go for long without water. Fishes drink, and fishes that live in salt water must drink salt water. However, when we watch them in an aquarium and see them opening and closing their mouths, we must not assume that they are drinking. Fishes need water for its oxygen. The water that they seem to be gulping gives them oxygen, which is in the water. On the other hand, when a fish drinks, it swallows water, just in the way we do.</p> <p>22. It is stated in the passage that a fish opens and closes its mouth</p> <p>(a) in order to get oxygen</p> <p>(b) so as to gulp</p> <p>(c) to drink to stay alive</p> <p>(d) to swim in an aquarium</p> <p>23. We are informed by the passage that a person</p> <p>(a) can live for a long time without water</p> <p>(b) can live for a long time without food</p> <p>(c) has no need for food and water</p> <p>(d) does need water to get oxygen</p> <p>24. When a fish drinks water</p> <p>(a) it requires fresh water</p> <p>(b) it swallows water just like us</p> <p>(c) it requires salt water</p> <p>(d) it drinks water for its oxygen</p> | <p>The health-care economy is replete with unusual and even unique economic relationships. One of the least understood involves the peculiar roles of producer or “provider” and purchaser or “consumer” in the typical doctor-patient relationship. In most sectors of the economy, it is the seller who attempts to attract a potential buyer with various inducements of price, quality, and utility, and it is the buyer who makes the decision. Where circumstances permit the buyer no choice because there is effectively only one seller and the product is relatively essential, government usually asserts monopoly and places the industry under price and other regulations. Neither of these conditions prevails in most of the health-care industry.</p> <p>In the health-care industry, the doctor-patient relationship is the mirror image of the ordinary relationship between producer and consumer. Once an individual has chosen to see a physician—and even then there may be no real choice—it is the physician who usually makes all significant purchasing decisions: whether the patient should return “next Wednesday,” whether X-rays are needed, whether drugs should be prescribed, etc. It is a rare and sophisticated patient who will challenge such professional decisions or raise in advance questions about price, especially when the ailment is regarded as serious.</p> <p>This is particularly significant in relation to hospital care. The physician must certify the need for hospitalization, determine what procedures will be performed, and announce when the patient may be discharged. The patient may be consulted about some of these decisions, but in the main it is the doctor’s judgments that are final. Little wonder then that in the eyes of the hospital it is the physician who is the real “consumer.” As a consequence, the medical staff represents the “power center” in hospital policy and decision-making, not the administration.</p> <p>Although usually there are in this situation four identifiable participants—the physician, the hospital, the patient, and the payer (generally an insurance carrier or government)—the physician makes the essential decisions for all of them. The hospital becomes an extension of the physician; the payer generally meets most of the bona fide bills generated by the physician/hospital; and for the most part the patient plays a passive role. In routine or minor illnesses, or just plain worries, the patient’s options are, of course, much greater with respect to use and price. In illnesses that are of some significance, however, such choices tend to evaporate, and it is for these illnesses that the bulk of the health-care dollar is spent. We estimate that about 75-80 percent of health-care expenditures are determined by physicians, not patients.</p> |
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Model Test Paper 46
General Study Paper II

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| <p>For this reason, economy measures directed at patients or the general public are relatively ineffective.</p> <p>25. The author's primary purpose is to</p> <p>(a) speculate about the relationship between a patient's ability to pay and the treatment received</p> <p>(b) criticize doctors for exercising too much control over patients</p> <p>(c) analyze some important economic factors in health care</p> <p>(d) urge hospitals to reclaim their decision-making authority</p> <p>26. It can be inferred that doctors are able to determine hospital policies because</p> <p>(a) it is doctors who generate income for the hospital</p> <p>(b) most of a patient's bills are paid by his health insurance</p> <p>(c) hospital administrators lack the expertise to question medical decisions</p> <p>(d) a doctor is ultimately responsible for a patient's health</p> <p>27. According to the author, when a doctor tells a patient to "return next Wednesday," the doctor is in effect</p> <p>(a) taking advantage of the patient's concern for his health</p> <p>(b) instructing the patient to buy more medical services</p> <p>(c) warning the patient that a hospital stay might be necessary</p> <p>(d) advising the patient to seek a second opinion</p> <p>28. The author is most probably leading up to</p> <p>(a) a proposal to control medical costs</p> <p>(b) a discussion of a new medical treatment</p> <p>(c) an analysis of the causes of inflation in the United States</p> <p>(d) a comparison of hospitals and factories</p> | <p>29. The tone of the passage can best be described as</p> <p>(a) whimsical</p> <p>(b) cautious</p> <p>(c) analytical</p> <p>(d) inquisitive</p> <p>30. With which of the following statements would the author be likely to agree?</p> <p>I. Most patients are reluctant to object to the course of treatment prescribed by a doctor or to question the cost of the services</p> <p>II. The more serious the illness of a patient, the less likely it is that the patient will object to the course of treatment prescribed or to question the cost of services</p> <p>III. The payer, whether insurance carrier or the government, is less likely to acquiesce to demands for payment when the illness of the patient is regarded as serious</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>31. The author's primary concern is to</p> <p>(a) define a term</p> <p>(b) clarify a misunderstanding</p> <p>(c) refute a theory</p> <p>(d) discuss a problem</p> <p>32. The most important feature of a "consumer" is that the "consumer" is the party that</p> <p>(a) pays for goods or services</p> <p>(b) delivers goods or services</p> <p>(c) orders goods or services</p> <p>(d) reimburses a third party for goods or services</p> |
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Model Test Paper 46
General Study Paper II

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| <p>The Brazil nut tree is one of the Amazon's longest living trees, of an age 1,000 years. Its flowers depend on bees for pollination. Once pollinated, a coconut-sized seed containing some tiny 20 seeds, develops for over 15 months before falling to the forest floor. They are found exclusively in Amazon forests since harvesting is exhausting, even for the strong. Apart from bees and the Brazil nut harvesters, the life of many other plants and animals is intertwined with this tree. The empty seeds fill with rainwater and provide breeding grounds for flies, frogs, all of which depend on these small ponds on the forest floor.. The major threat to the trees is forest clearing. Sustainable harvesting of Brazil nuts is therefore vital way to provide protection of forests and saving the Amazon.</p> | <p>(d) it is necessary to restrict the growth of the Brazil nut to save the Amazon</p> |
| <p>33. We can clearly understand from the passage that the Brazil nut</p> | <p>36. 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) has been harvested throughout South American countries as it is beneficial for their economy</p> | <p>(a) 1/24 day</p> |
| <p>(b) is only found in Amazon forests because harvesting it requires demanding work</p> | <p>(b) 7/24 day</p> |
| <p>(c) is the only food bees show interest in</p> | <p>(c) 3x3/7 days</p> |
| <p>(d) is the fruit of the longest living tree in Amazon region</p> | <p>(d) 4 days</p> |
| <p>34. We can infer from the passage that when considered ecologically</p> | <p>37. In a garden there are 10 rows and 12 columns of mango trees. The distance between the two trees is 2 metres adn 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) seeds of the Brazil nut spread through many countries of the world through pollination</p> | <p>(a) 20 m</p> |
| <p>(b) the empty seeds provide breeding grounds for all the animals in the Amazon</p> | <p>(b) 22 m</p> |
| <p>(c) bees depend mainly on the flowers of Brazil nut trees to survive</p> | <p>(c) 24 m</p> |
| <p>(d) the Brazil nut is important not only for some animals but also the Amazon's survival</p> | <p>(d) 26 m</p> |
| <p>35. It is clearly pointed out in the passage that</p> | <p>38. How much time will it take for an amount of Rs. 450 to yield Rs. 81 as interest at 4.5% per annum of simple interest?</p> |
| <p>(a) since the Brazil nut tree only grows in the Amazon, it is the main attraction of this region</p> | <p>(a) 3.5 years</p> |
| <p>(b) the process of pollination can be disturbed by the interference of bees</p> | <p>(b) 4 years</p> |
| <p>(c) the reason why the Brazil nut is important for some animals is that its seeds serve like water ponds for them</p> | <p>(c) 4.5 years</p> |
| | <p>(d) 5 years</p> |
| | <p>39. A metallic sheet is of rectangular shape with dimensions 48 m x 36 m. From each of its corners, a square is cut off so as to make an open box. If the length of the square is 8 m, the volume of the box (in m³) is</p> |
| | <p>(a) 3220</p> |
| | <p>(b) 4830</p> |
| | <p>(c) 5120</p> |
| | <p>(d) 6420</p> |

Model Test Paper 46
General Study Paper II

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|---|---|
| <p>40. BAZ, DCY, FEX, ?</p> <p>(a) FXW (b) EFX (c) FEY (d) GHW</p> <p>41. Pointing to a photograph, a man said, "I have no brother or sister but that man's father is my father's son." Whose photograph was it?</p> <p>(a) His own (b) His nephew's (c) His father's (d) His son's</p> <p>42. Five bears – Jinan, Knot, Lee, Mushu and Nee-Hau – are kept in three adjacent rooms numbered 1-3 from left to right. There is at least one bear in each room. Knot is in a room to the left of Lee's. Mushu and Nee-Hau are not kept in the same room. Either Mushu or Jinan, but not both, are kept in room 2. Nee-Hau is kept in room 3. Adding which one of the following to the existing conditions would enable determining the room each bear is kept in?</p> <p>(a) Only one bear is kept in room 3 (b) The room Mushu is kept in is to the left of Knot (c) Jinan and Knot are not kept in the same room (d) Jinan and Lee are not kept in the same room</p> <p>43. John, Kate and Lenny just came back from trips to the following countries: Mauritania, Nepal, Oman, Peru and Qatar. Each country was visited by at least one of the travellers. Each traveller visited either two or three different countries. Only one traveller visited Qatar. Every traveller who visited Mauritania went to Nepal as well. A traveller who visited Qatar did not visit Peru. John visited all of the countries Kate did.</p> <p>Which one of the following countries could have been visited by all three travellers?</p> | <p>(a) Oman (b) Nepal (c) Mauritania (d) Peru</p> <p>44. A driving instructor was pointing out road violations incurred by drivers he was passing on the road. But he cannot be considered a reliable judge of such matters: his own graduates have been seen committing similar violations. Which one of the following most closely parallels the reasoning used in the above argument?</p> <p>(a) Your telephone company should not add on such a high surcharge: yours is the only telephone company that takes the maximal charge allowed by law (b) Your soccer coach cannot be trusted to judge our soccer training methods: he is the youngest and least experienced soccer coach in the club (c) Your travel magazine should not publish this article on fraud in popular resorts: your sales depend on not alienating the travel industry audience (d) Your English teacher cannot be trusted to judge our spelling and grammar as faulty: similar errors have been found in her own students' compositions</p> <p>45. Letter to the Editor: According to last Saturday's editorial, someone who is deaf has almost no chance of earning an average or above average income. This is clearly false. Income tax reports show that at least 60 percent of people who are handicapped earn an average or above average salary. All deaf people are handicapped, so although some deaf people may earn a below average income, a large percentage of them earn an average or above average salary.</p> <p>Which one of the following most closely parallels the reasoning in the argument above?</p> <p>(a) A large percentage of vegetarians are thin. Thus, since Buddhists are vegetarians, a large percentage of Buddhists are thin (b) Teachers have educational training, and a large percentage of them also have psychological training. Therefore, some people who have psychological training also have educational training</p> |
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Model Test Paper 46
General Study Paper II

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| <p>(c) Since a large percentage of the youth go on treks to India, and since travel to India requires vaccinations, all the youth who have travelled to India required vaccinations</p> <p>(d) A large percentage of the obese have diabetes. Since anyone who has diabetes must take insulin, it follows that many of the obese take insulin</p> <p>46. In order to increase its revenue, the Body Parts Cosmetic Surgery Clinic has been offering its patients hefty discounts if they undergo cosmetic procedures such as tummy tucks and liposuction. However, offering such discounts is an unethical practice, because it gives a strong financial incentive to people to consent to surgery that is elective and carries a physical risk, a practice that compromises the integrity of the physician-patient relationship. Which one of the following illustrates the principle underlying the above argument?</p> <p>(a) Financial incentives are immoral; the offer targets the most vulnerable aspect of people - their pocketbooks</p> <p>(b) Encouraging people to undergo cosmetic surgery is unethical since it addresses people's inherent insecurities regarding their bodies</p> <p>(c) It is unethical to profit by encouraging people to engage in behavior that could put their lives at risk unnecessarily</p> <p>(d) The objective of increasing revenue compromises the integrity of the surgical clinic</p> <p>47. In a computer game battle between an army and enemy guerillas, great care was taken by the army to avoid civilian casualties. Two days later, an army patrol spotted a group of residents digging a ditch by the roadside; in spite of the army commander's belief that they were, in fact, civilians, he called in an airstrike. An army commander who suspects that terrorists have coerced civilians to engage in warfare on their behalf, must consider those civilians to be terrorists themselves.</p> <p>Which one of the following best illustrates the principle underlying the argument above?</p> <p>(a) When factory workers threatened by unemployment commit violence against the factory in a desperate bid for help, the police are correct in arresting them</p> <p>(b) The cost of a new home is currently one and half times on average that of an existing home</p> | <p>(c) While the queen bee does no actual work herself, the other bees in the colony organize along the principles of the division of labor</p> <p>(d) Stock brokers get paid in proportion to their investment advice: the greater the profit to their customer, the higher their fee</p> <p>48. Between 1990 and 1998, occupancy in Branson Hospital averaged 79 percent of capacity, while admission rates remained constant, at an average of 9 admissions per 100 beds per year. Between 1998 and 2002, however, occupancy rates increased to an average of 85 percent of capacity, while admission rates declined to 8 per 100 beds per year.</p> <p>Which of the following conclusions can be most properly drawn from the info given above?</p> <p>(a) The average stay for Branson Hospital residents rose between 1998 and 2002</p> <p>(b) The proportion of children staying in Branson hospital was greater in 2002 than in 1990</p> <p>(c) Hospital admission rates tend to decline whenever occupancy rates rise</p> <p>(d) Hospitals built prior to 1998 generally had fewer beds than did hospitals built between 1998 and 2002</p> <p>49. American customers expect high quality. When the quality of a manufactured product is raised, it in turn raises customer expectations. A company that believes that the quality of its products is satisfactory will soon discover that its customers are not similarly satisfied. The goal of Sunnybrook Corporation is to meet or exceed customer expectations.</p> <p>Which of the following must be true on the basis of the statements above?</p> <p>(a) Sunnybrook's competitors will succeed in attracting customers only if those competitors adopt Sunnybrook's goal as their own</p> <p>(b) A company that does not correctly forecast the expectations of its customers is certain to fail in advancing the quality of its products</p> <p>(c) It is possible to meet the goal of Sunnybrook Corporation only if the quality of their products can be continually improved upon</p> <p>(d) If a company becomes satisfied with the quality of the products it manufactures, then the quality is likely to decline</p> |
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Model Test Paper 46
General Study Paper II

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| <p>50. The more frequently employees take a break for guided relaxation exercises during working hours each week, the fewer sick days they take. Even workers who take a guided relaxation break once a week during working hours take less sick leave than those who do not perform relaxation. Therefore, if companies started guided relaxation programs, the absentee rate in those companies would decrease significantly.</p> <p>Which of the following, if true, most seriously weakens the argument above?</p> <p>(a) Employees who do guided relaxation exercises during working hours occasionally fall asleep for short periods of time after the exercises</p> <p>(b) Employees who are frequently absent are the least likely to cooperate with or to join a corporate relaxation program</p> <p>(c) Employees who do guided relaxation exercises only once a week in their company's fitness program usually also do relaxation exercises at home</p> <p>(d) Employees who do guided relaxation exercises in their company's relaxation program use their working time no more productively than those who do not do relaxation exercises</p> <p>51. Three pipes A,B and C are connected to a tank. These pipes can fill the tank separately in 5hr, 10 hr and 15hr respectively. When all the three pipes were opened simultaneously, it was observed that pipes A and B were supplying water at $(3/4)$th of their normal rates for the 1st hour after which they supplied water at normal rate. Pipe C supplied water at $(2/3)$rd of its normal rate for 1st 2 hour, after which it supplied at its normal rate. In how much time, tank would be filled?</p> <p>(a) 1.05 hr</p> <p>(b) 2.05 hr</p> <p>(c) 3.05 hr</p> <p>(d) 4.05 hr</p> <p>52. If A and B work together, they will complete a job in 7.5 days. However, if A works alone and completes half the job and then B takes over and completes the remaining half alone, they will be able to complete the job in 20 days. How long will B alone take to do the job if A is more efficient than B?</p> <p>(a) 20 days</p> | <p>(b) 40 days</p> <p>(c) 36 days</p> <p>(d) 30 days</p> <p>53. Abhishek starts to paint a fence on one day. On the second day, two more friend of Abhishek join him. On the third day 3 more friends of him join him and so on. If the fence is completely painted this way in exactly 20 days, then find the number of days in which 10 girls painting together can paint the fence completely, given that every girl can paint twice as fast as Abhishek and his friends(Boys)?(Assume that the friends of Abhishek are all boys).</p> <p>(a) 20</p> <p>(b) 40</p> <p>(c) 45</p> <p>(d) 77</p> <p>54. A and B undertake to do a piece of work for Rs 600. A alone can do it in 6 days while B alone can do it in 8 days. With the help of C, they can finish it in 3 days, Find the share of C?</p> <p>(a) 70</p> <p>(b) 75</p> <p>(c) 80</p> <p>(d) 85</p> <p>55. There are 12 pipes that are connected to a tank. Some of them are fill pipes and the others are drain pipes. Each of the fill pipes can fill the tank in 8 hours and each of the drain pipes can drain the tank completely in 6 hours. If all the fill pipes and drain pipes are kept open, an empty tank gets filled in 24 hours. How many of the 12 pipes are fill pipes?</p> <p>(a) 6</p> <p>(b) 8</p> <p>(c) 7</p> <p>(d) 5</p> |
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Model Test Paper 46
General Study Paper II

56. Starting from my office, I reach the house 20 min late if I walk at 3kmph. Instead, if I walk at 4kmph, I reach the house 15 min early. How far is my house from my office?

- (a) 4 km
- (b) 5 km
- (c) 7 km
- (d) 6 km

57. Two boats, traveling at 5 and 10 kms per hour, head directly towards each other. They begin at a distance of 20 kms from each other. How far apart are they (in kms) one minute before they collide?

- (a) 1/12
- (b) 1/6
- (c) 1/4
- (d) 1/3

58. A bus overtakes two boys who are walking in the direction of the bus at 2 km/hr and 4 km/hr in 9 sec and 10sec respectively. The length of the bus and its speed are

- (a) 50m and 55/9 m/s
- (b) 80m and 88/9 m/s
- (c) 70m and 77/9 m/s
- (d) 60m and 66/9 m/s

59. A train moves past a telegraph post and a bridge 264 m long in 8 seconds and 20 seconds respectively. What is the speed of the train?

- (a) 69.5 km/hr
- (b) 70 km/hr
- (c) 79 km/hr
- (d) 79.2 km/hr

60. It was calculated that 75 men could complete a piece of work in 20 days. When work was scheduled to commence, it was found necessary to send 25 men to another project. How much longer will it take to complete the work?

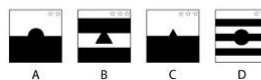
- (a) 15
- (b) 20
- (c) 25
- (d) 30

61. A man was engaged on a job for 30 days on the condition that he would get a wage of Rs. 10 for the day he works, but he have to pay a fine of Rs. 2 for each day of his absence. If he gets Rs. 216 at the end, he was absent for work for ... days.

- (a) 5 days
- (b) 6 days
- (c) 7 days
- (d) 9 days

62.

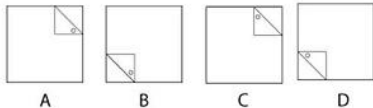
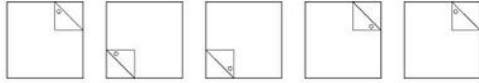
What comes next in the sequence?



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

Model Test Paper 46
General Study Paper II

63.



What comes next in the sequence?

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

64. An office retailer sells A4 paper in bulk. The retailer sells five packs of A4 paper per box and each pack contain ns 500 sheets of paper. If the paper is sold for £3.50 per hundred s, how much will 12 boxes of paper cost to purchase?

- (a) 1,050
- (b) 1,150
- (c) 1,250
- (d) 1,350

65. A market stand was able to sell 28 items of A, 17 of item B and 23 of item C in one day. Item A sells for £5.95, item B sells for £4.95 and item C sells for £9.95. If the daily sales target is £400, by what amount has today's sales exceeded the daily target?

- (a) 67.20
- (b) 70.90
- (c) 73.80
- (d) 79.60

66. A store bought garden pond which has a 1,200 litre capacity. A garden hose is able to discharge 0.6 litres of water per second. How long in minutes would it take to fill the garden pond to 80% capacity using this garden hose?

- (a) 24.6 minutes
- (b) 25.1 minutes
- (c) 26.7 minutes
- (d) 27.8 minutes

67. An online advertisement was viewed by 100,019 people in one day. Of these people, 2.3% clicked on the advertisement. Of those that clicked on the advertisement, 5% made a purchase. The average purchase on the website is £35.40, how much revenue was generated from sales on this day?

- (a) 3,624
- (b) 3,758
- (c) 3,824
- (d) 4,071

68. A contractor agreeing to finish a work in 150 days, employed 75 men each working 8 hours daily. After 90 days, only $\frac{2}{7}$ of the work was completed. Increasing the number of men by _____ each working now for 10 hours daily, the work can be completed in time.

- (a) 100
- (b) 150
- (c) 175
- (d) 200

69.

Find the missing number:

| | | | | |
|-----|-----|-----|-----|-----|
| 160 | 240 | 140 | 220 | 120 |
| 250 | 150 | 230 | 130 | ? |

- (a) 140
- (b) 180
- (c) 110
- (d) 210

Model Test Paper 46
General Study Paper II

70. Find the missing number:
3, 1, 3, 3, 9, ?, 243

- (a) 121
- (b) 125
- (c) 107
- (d) 27

71. Find the missing number:
17, 28, 39, 24, 35, 46, ?, 42, 53

- (a) 6
- (b) 44
- (c) 28
- (d) 31

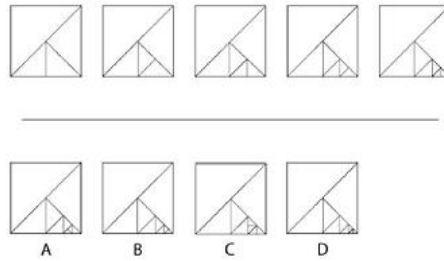
72. what is a percent of b divided by b percent of a?

- (a) a
- (b) b
- (c) 1
- (d) 10

73. A man bought a horse and a cart. If he sold the horse at 10 % loss and the cart at 20 % gain, he would not lose anything; but if he sold the horse at 5% loss and the cart at 5% gain, he would lose Rs. 10 in the bargain. The amount paid by him was Rs. _____ for the horse and Rs. _____ for the cart.

- (a) Cost price of horse = Rs. 400 & the cost price of cart = 400
- (b) Cost price of horse = Rs. 400 & the cost price of cart = 200
- (c) Cost price of horse = Rs. 200 & the cost price of cart = 200
- (d) Cost price of horse = Rs. 200 & the cost price of cart = 400

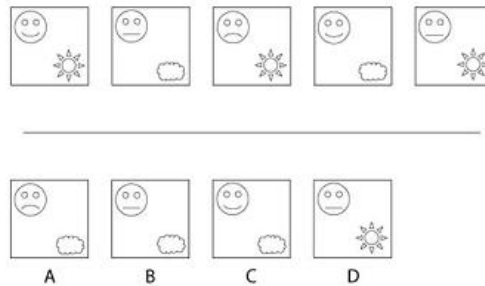
74.



What comes next in the sequence?

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

75.



What comes next in the sequence?

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

Model Test Paper 46
General Study Paper II

76.

The rise and fall in the annual gross income of Britain's biggest supermarkets is well documented. For this reason it came as no surprise to many when Tesco's annual figures represented a loss this quarter. Official figures suggest that a price-cutting campaign by Britain's biggest retailer failed to plug the losses, as Tesco made its fourth quarterly loss in a row.

Commentators suggest that the fall in sales is a result of the current economic climate, with shoppers' not only spending less on clothing and electronic items, but also on their weekly food shops. However, this view is controversial as smaller competitors, such as Sainsbury's and Morrison's, continue to make a profit.

Complete the following sentence. Competitor's such as Sainsbury's and Morrison's ...

- (a) Continually pose a threat to Tesco
- (b) continually made a loss in the last four quarters
- (c) Continue to make a profit, despite the economic downturn
- (d) Continue to make a profit on clothing and electronic items

77.

UK unemployment has reached a new high after the public sector made a new wave of cuts this week. Statistics suggest that those particularly hit by the cuts will be youths, as a record high of over 1 million youths were recorded as unemployed at the beginning of this month. This figure is just under half of the total national statistic for unemployment, a reported 2.5 million.

Yet, the number of people claiming unemployment benefits has not risen as far as it was expected to. Economists predicted that the number of people claiming support would rise by an estimated 15,000, yet the actual figure demonstrates a rise of less than 4,000. Perhaps things are not as bad as they seem after all.

what does the writer mean when he states 'perhaps things are not as bad as they seem ...'?

- (a) Unemployment is about to fall, improving the economic outlook
- (b) The government is likely to make new public sector cuts

(c) Economists are mistaken and unemployment is lower

(d) Economists overestimated the number rise in benefits claims

78.

The Law Commission has recommended, as part of a major overhaul to inheritance law, that unmarried couples should have equal inheritance rights. The proposal suggests that unmarried couples who live together for five years or more should be able to inherit from each other without writing a will. This provision would also apply to couples who had lived together for two years or more and who had a child, providing that the child lived with the couple at the time one parent died.

An exception to the proposed law would be where one partner had been previously married to another partner and had not divorced them. In this situation, the surviving co-habitant would have no right to the deceased's estate. If passed, this British law is thought to affect roughly 7 million families who cohabit but have never married.

Which one of the following statements can we not know based on the information provided in the passage>

- (a) 7 million families in Britain are cohabiting but never married
- (b) Recommendations to change inheritance laws have been made
- (c) Children without married parents are not entitled to inherit their parent's estate
- (d) Cohabiting with a partner still married to someone else would be an exception

Model Test Paper 46
General Study Paper II

79.

Official statistics from countries around the European Union suggest that Britain has the second-highest living standard within the EU. Research suggests that a major reason for this is the service provided by the NHS. The European research body, 'Eurostat', compared the figures for Britain both with the services supplied by the NHS and without such services.

It found that without the aid of the NHS, Britain moved down to 10th in the scale for its standard of living. In the recent report Bulgaria was found to be the worst-off country in the EU, with Norway and Sweden as the richest. Denmark was found to be the most expensive to live in within the EU.

These figures represent a dramatic change since the last survey carried out in 2007. At the time of the 2007 survey, Ireland was found to be one of the richest countries with its standard of living 48% above the average, beating even Sweden. However, this is no longer the case.

Which one of the following statements is correct?

- (a) 'Eurostat' is backed by the European Commission
- (b) Denmark is one of the richest countries in the EU
- (c) The richest countries are Sweden and Norway
- (d) The richest countries are Denmark and Norway

80.

To what extent does advertising a product at a sporting event increase sales? In light of the London Olympics, the relationship between sporting events and advertising is under greater scrutiny by British companies than ever before. Research suggests that in the year prior to the Games, twelve percent of adults talked about the Olympics on a typical day.

With this in mind, it is estimated that more than one billion pounds have been invested in the Games in the form of sponsorship from companies. In return for their investment, the exposure gained by sponsors is now legally protected by statute to prevent non-official sponsors from profiting.

Choose the option that best completes the following sentence. As a result of the London Olympics ...

- (a) Sporting events and advertising has been researched for the first time
- (b) Sporting events and advertising is receiving more attention from companies
- (c) Sporting events and advertising is receiving more attention from adults
- (d) Sporting events and advertising is now protected by statute

Model Test Paper 46
General Study Paper II

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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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| 7 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | 27 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | 47 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | 67 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| 8 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | 28 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | 48 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | 68 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
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| 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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| 16 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | 36 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | 56 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | | 76 | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
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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"/> |