

Model Test Paper 45  
General Study Paper II

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TEST BOOKLET  
GENERAL STUDIES  
Paper-II

A

Time Allowed : Two Hours

Maximum Marks : 200

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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 45**  
**General Study Paper II**

<p>Alcohol consumption may be linked to a women's risk of infertility, say researches supported by the National Institute of Child Health. In a study of nearly 6000 women, researchers from the Harvard School of Public Health looked at Data from those evaluated at seven infertility clinics. After adjusting for other factors that could affect results, such as age and cigarette smoking, researchers found a strong association between alcohol (more than the equivalent of seven cans of beer a week) and infertility due to ovulation problems. The inability to conceive was about 30 percent more likely to occur in women who drank moderately and about 60 percent more likely in women who drank heavily.</p> <p>1. The researchers supported by the National Institute of Child Health</p> <p>(a) took care of women who're suffering from alcohol</p> <p>(b) have spent a lot of money on fertility</p> <p>(c) have been victims of infertility</p> <p>(d) said alcohol may affect women's fertility</p> <p>2. According to the passage, one can assume that women who are infertile,</p> <p>(a) possibly drink more than seven cans of beer a week</p> <p>(b) are students at Harvard university</p> <p>(c) smoked a lot of cigarettes when they were very young</p> <p>(d) used to go hospitals because of serious problems</p> <p>3. The passage tells us that</p> <p>(a) smoking is not as harmful as alcohol</p> <p>(b) a lot of researches have been done on smoking</p> <p>(c) we are unaware of the side-effects of infertility</p> <p>(d) women who drink heavily have the risk of infertility</p> <p>Over the past thirty years or so the quality of many people's lives has deteriorated in some respects because of technological progress. Those people living near airports are constantly assailed by the noise of increasingly larger and more powerful jet</p>	<p>aircraft taking off and landing. We have ugly buildings which have sprung up in towns and cities. Some of these are blocks of flats-high-rise buildings built because of the high price of land, which seem more like breeding boxes than houses where people have space to live. Worse still, much of our building effort has been channeled into the construction of more and more large office blocks at the expense of much needed housing for the growing urban population.</p> <p>4. It's obvious in the passage that</p> <p>(a) the quality of people's lives has declined by technology</p> <p>(b) those people living around airports are happy with their condition</p> <p>(c) technology progressed the life standards</p> <p>(d) airports are usually constructed in urban areas</p> <p>5. We have ugly buildings</p> <p>(a) so we need to improve technology</p> <p>(b) because the land is expensive</p> <p>(c) but we don't have much complaint about it</p> <p>(d) where people find enough space to live</p> <p>6. Technological progress</p> <p>(a) has negative effects on people's lives</p> <p>(b) requires more large office blocks</p> <p>(c) became much faster than expected</p> <p>(d) enabled people to live in large blocks</p> <p>Earthquake is a sudden movement in Earth's crust which produces vibration. These vibrations may be detectable only by sensitive instruments called seismographs, or else they may kill thousands as they destroy cities. Many earthquakes are caused when rocks move along faults. Severe earthquakes are most common near the edges of the "plates" in the Earth's crust, such as around the Pacific Ocean, along the mid-Atlantic ridge and in the Mediterranean and South- West Asian regions. They occur when the plates move. So the earthquakes are caused by volcanic action, explosions and other factors, Earthquakes under the sea trigger off huge waves called tsunamis.</p>
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**Model Test Paper 45**  
**General Study Paper II**

<p>7. According to the passage,</p> <p>(a) rocks move when the earthquakes occur</p> <p>(b) seismographs may devastate cities if not detected</p> <p>(c) earthquakes are caused by huge waves called tsunamis</p> <p>(d) earthquakes are more likely to happen where there are faults</p> <p>8. It's obvious in the passage that</p> <p>(a) many big cities are founded upon the faults</p> <p>(b) big cities are more likely to confront earthquakes</p> <p>(c) the Pacific Ocean is the most likely place for the earthquakes</p> <p>(d) Earth's most perilous places are the Pacific Ocean, the Mid-Atlantic, South-West Asia and the Mediterranean</p> <p>9. We can understand from the passage that</p> <p>(a) some of the volcanic blasts are caused by earthquakes</p> <p>(b) tsunamis are more likely to exist in the Mediterranean and the Mid-Atlantic</p> <p>(c) severe earthquakes cannot be detected beforehand</p> <p>(d) movements of plates leads to big earthquakes</p> <p>One can write notes either in the novel one is reading or in a separate notebook. The advantage of the former method is that it doesn't disturb one's reading too much; disadvantage is that it spoils a book, it affects one's second reading of the novel, there is not always too much room for the notes in the book. One way round these problems is to write brief notes in pencil in a novel as one is reading, then to copy these up and expand them in a separate notebook. These also allow one to copy out brief extracts from the novel which strike one as important, and it means that you file for future reference only notes about which you have thought a second time after having finished reading the novel.</p> <p>10. It's stated in the passage that</p>	<p>(a) there is more than one way to take notes</p> <p>(b) writing notes in the novel doesn't harm the book so much</p> <p>(c) taking notes in a separate book has only disadvantages</p> <p>(d) one 's reading too much spoils a book</p> <p>11. According to the passage,</p> <p>(a) writing a novel is more difficult than reading it</p> <p>(b) short notes may be helpful in the future</p> <p>(c) making notes larger is no longer valid for readers</p> <p>(d) one can read either novel or short story easily</p> <p>12. The main concern of the passage is</p> <p>(a) the methods of reading a book</p> <p>(b) how to cope with problems of reading a novel</p> <p>(c) the notes that are taken while reading a novel</p> <p>(d) the obstacles during writing</p> <p>The novel develops, after the death of Defoe, with S.Richardson (1689-1761), a professional printer who took to novel-writing when he was fifty. Richardson liked to help young women with the composition of their love-letters, and was asked by a publisher to write a volume of model letters for use on various occasions. He was inspired to write a novel in the form of a series of letters, a novel which should implant a moral lesson in the minds of its readers (he thought of these readers primarily as women). This novel was Pamela, or Virtue Rewarded, which describes the defamation made on the honor of a virtuous housemaid by a young man.</p> <p>13. It can be inferred from the passage that S. Richardson</p> <p>(a) is more interested in printing</p> <p>(b) wrote more than one novel</p> <p>(c) forced the young women to write love-letters</p> <p>(d) became only an expert printer in his life</p>
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**Model Test Paper 45**  
**General Study Paper II**

<p>14. We learn that Samuel Richardson</p> <p>(a) aimed at giving moral message to people</p> <p>(b) asked a publisher to write a novel</p> <p>(c) liked being helped by females</p> <p>(d) made chiefly the women read his novels</p> <p>15. It's implied that Richardson's "Pamela"</p> <p>(a) is composed only of defamation made by a man</p> <p>(b) has more than one title</p> <p>(c) explains the causes of defamation</p> <p>(d) intends to give ethical message to men</p> <p>Aristotle, who lived from 384 BC to 322 BC, taught that the heart contained the intelligence. Except for a few guesses like this, he observed carefully. He described the habits and the bodily structure (anatomy) of many animals, birds and fish. Another Greek, Galen, who lived in the second century AD, performed biological experiments. Both careful observation of living things and experiments are used today in the study of biology. Galen observed and described the internal anatomy of the human body.-He described many parts that he saw in the body. But he was not always careful. He sometimes described what he expected to see and did not look carefully to see what was really there. For centuries after Galen, people studied anatomy from his books instead of trusting their own observations.</p> <p>16. It's obvious that Aristotle</p> <p>(a) thinks that it is the brain which contains the intelligence</p> <p>(b) died in his sixties</p> <p>(c) observed only birds and fish</p> <p>(d) is both a great philosopher and a biologist</p> <p>17. A Greek scientist, Galen</p> <p>(a) became more successful than Aristotle</p> <p>(b) studied the exterior parts of the body</p> <p>(c) sometimes depended more on his ideas than observation</p>	<p>(d) lived in Greece during his whole life-time</p> <p>18. It can be inferred from the passage that</p> <p>(a) there is a strong link between Galen and Aristotle in terms of friendship</p> <p>(b) Galen studied the external part of the body while Aristotle studied the internal part</p> <p>(c) the studies of Aristotle couldn't satisfy the expectations of people</p> <p>(d) Galen and Aristotle have been influential in the following centuries</p> <p>In an attempt to improve the overall performance of clerical workers, many companies have introduced computerized performance monitoring and control systems (CPMCS) that record and report a worker's computer-driven activities. However, at least one study has shown that such monitoring may not be having the desired effect. In the study, researchers asked monitored clerical workers and their supervisors how assessments of productivity affected supervisors' ratings of workers' performance.</p> <p>In contrast to unmonitored workers doing the same work, who without exception identified the most important element in their jobs as customer service, the monitored workers and their supervisors all responded that productivity was the critical factor in assigning ratings. This finding suggested that there should have been a strong correlation between a monitored worker's productivity and the overall rating the worker received. However, measures of the relationship between overall rating and individual elements of performance clearly supported the conclusion that supervisors gave considerable weight to criteria such as attendance, accuracy, and indications of customer satisfaction.</p> <p>It is possible that productivity may be a "hygiene factor," that is, if it is too low, it will hurt the overall rating. But the evidence suggests that beyond the point at which productivity becomes "good enough," higher productivity per se is unlikely to improve a rating.</p> <p>19. According to the passage, before the final results of the study were known, which of the following seemed likely?</p> <p>(a) That workers with the highest productivity would also be the most accurate</p> <p>(b) That workers who initially achieved high productivity ratings would continue to do so consistently</p>
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**Model Test Paper 45**  
**General Study Paper II**

<p>(c) That the highest performance ratings would be achieved by workers with the highest productivity</p> <p>(d) That the most productive workers would be those whose supervisors claimed to value productivity</p> <p>20. It can be inferred that the author of the passage discusses “unmonitored workers” primarily in order to</p> <p>(a) compare the ratings of these workers with the ratings of monitored workers</p> <p>(b) provide an example of a case in which monitoring might be effective</p> <p>(c) provide evidence of an inappropriate use of CPMCS</p> <p>(d) illustrate the effect that CPMCS may have on workers’ ratings</p> <p>21. Which of the following, if true, would most clearly have supported the conclusion</p> <p>(a) Ratings of productivity correlated highly with ratings of both accuracy and attendance</p> <p>(b) Electronic monitoring greatly increased productivity</p> <p>(c) Most supervisors based overall ratings of performance on measures of productivity alone</p> <p>(d) Overall ratings of performance correlated more highly with measures of accuracy than with measures of productivity</p> <p>22. According to the passage, a “hygiene factor” is an aspect of a worker’s performance that</p> <p>(a) has no effect on the rating of a worker’s performance</p> <p>(b) is so basic to performance that it is assumed to be adequate for all workers</p> <p>(c) is given less importance than it deserves in rating a worker’s performance</p> <p>(d) is not likely to affect a worker’s rating unless it is judged to be inadequate</p> <p>23. The primary purpose of the passage is to</p> <p>(a) explain the need for the introduction of an innovative strategy</p>	<p>(b) discuss a study of the use of a particular method</p> <p>(c) recommend a course of action</p> <p>(d) resolved a difference of opinion</p> <p>Until recently, scientists did not know of a close vertebrate analogue to the extreme form of altruism observed in eusocial insects like ants and bees, whereby individuals cooperate, sometimes even sacrificing their own opportunities to survive and reproduce, for the good of others. However, such a vertebrate society may exist among underground colonies of the highly social rodent <i>Heterocephalus glaber</i>, the naked mole rat. A naked mole rat colony, like a beehive, wasp’s nest, or termite mound, is ruled by its queen, or reproducing female. Other adult female mole rats neither ovulate nor breed. The queen is the largest member of the colony, and she maintains her breeding status through a mixture of behavioral and, presumably, chemical control. Queens have been long-lived in captivity, and when they die or are removed from a colony one sees violent fighting for breeding status among the larger remaining females, leading to a takeover by a new queen.</p> <p>Eusocial insect societies have rigid caste systems, each insect’s role being defined by its behavior, body shape, and physiology. In naked mole rat societies, on the other hand, differences in behavior are related primarily to reproductive status (reproduction being limited to the queen and a few males), body size, and perhaps age. Smaller non-breeding members, both male and female, seem to participate primarily in gathering food, transporting nest material, and tunneling. Larger nonbreeders are active in defending the colony and perhaps in removing dirt from the tunnels. Jarvis’ work has suggested that differences in growth rates may influence the length of time that an individual performs a task, regardless of its age.</p> <p>Cooperative breeding has evolved many times in vertebrates, but unlike naked mole rats, most cooperatively breeding vertebrates (except the wild dog, <i>Lycaon pictus</i>) are dominated by a pair of breeders rather than by a single breeding female. The division of labor within social groups is less pronounced among other vertebrates than among naked mole rats, colony size is much smaller, and mating by subordinate females may not be totally suppressed, whereas in naked mole rat colonies subordinate females are not sexually active, and many never breed.</p>
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**Model Test Paper 45**  
**General Study Paper II**

<p>24. Which of the following most accurately states the main idea of the passage?</p> <p>(a) Naked mole rat colonies are the only known examples of cooperatively breeding vertebrate societies</p> <p>(b) Naked mole rat colonies exhibit social organization based on a rigid caste system</p> <p>(c) Behavior in naked mole rat colonies may well be a close vertebrate analogue to behavior in eusocial insect societies</p> <p>(d) The mating habits of naked mole rats differ from those of any other vertebrate species.</p> <p>25. The passage suggests that Jarvis' work has called into question which of the following explanatory variables for naked mole rat behavior?</p> <p>(a) Size</p> <p>(b) Age</p> <p>(c) Reproductive status</p> <p>(d) Rate of growth</p> <p>26. It can be inferred from the passage that the performance of tasks in naked mole rat colonies differs from task performance in eusocial insect societies in which of the following ways?</p> <p>(a) In naked mole rat colonies, all tasks are performed cooperatively</p> <p>(b) In naked mole rat colonies, the performance of tasks is less rigidly determined by body shape</p> <p>(c) In naked mole rat colonies, breeding is limited to the largest animals</p> <p>(d) In eusocial insect societies, reproduction is limited to a single female.</p> <p>27. According to the passage, which of the following is a supposition rather than a fact concerning the queen in a naked mole rat colony?</p> <p>(a) She is the largest member of the colony</p> <p>(b) She exerts chemical control over the colony</p> <p>(c) She mates with more than one male</p> <p>(d) She attains her status through aggression.</p>	<p>28. The passage supports which of the following inferences about breeding among <i>Lycaon pictus</i>?</p> <p>(a) The largest female in the social group does not maintain reproductive status by means of behavioral control</p> <p>(b) An individual's ability to breed is related primarily to its rate of growth</p> <p>(c) Breeding is the only task performed by the breeding female</p> <p>(d) Breeding is not dominated by a single pair of dogs</p> <p>29. According to the passage, naked mole rat colonies may differ from all other known vertebrate groups in which of the following ways?</p> <p>(a) Naked mole rats exhibit an extreme form of altruism</p> <p>(b) Naked mole rats are cooperative breeders</p> <p>(c) Among naked mole rats, many males are permitted to breed with a single dominant female</p> <p>(d) Among naked mole rats, different tasks are performed at different times in an individual's life</p> <p>30. One function of the third paragraph of the passage is to</p> <p>(a) state a conclusion about facts presented in an earlier paragraph</p> <p>(b) introduce information that is contradicted by information in the fourth paragraph</p> <p>(c) qualify the extent to which two previously mentioned groups might be similar</p> <p>(d) demonstrate that of three explanatory factors offered, two may be of equal significance</p> <p>Scientists typically advocate the analytic method of studying complex systems: systems are divided into component parts that are investigated separately. But nineteenth-century critics of this method claimed that when a system's parts are isolated its complexity tends to be lost. To address the perceived weakness of the analytic method these critics put forward a concept called organicism, which posited that the whole determines the nature of its parts and that the parts of a whole are interdependent. Organicism depended upon the theory of internal relations, which states that relations between</p>
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**Model Test Paper 45**  
**General Study Paper II**

entities are possible only within some whole that embraces them, and that entities are altered by the relationships into which they enter. If an entity stands in a relationship with another entity, it has some property as a consequence. Without this relationship, and hence without the property, the entity would be different—and so would be another entity. Thus, the property is one of the entity's defining characteristics. Each of an entity's relationships likewise determines a defining characteristic of the entity.

One problem with the theory of internal relations is that not all properties of an entity are defining characteristics: numerous properties are accompanying characteristics—even if they are always present, their presence does not influence the entity's identity. Thus, even if it is admitted that every relationship into which an entity enters determines some characteristic of the entity, it is not necessarily true that such characteristics will define the entity; it is possible for the entity to enter into a relationship yet remain essentially unchanged.

The ultimate difficulty with the theory of internal relations is that it renders the acquisition of knowledge impossible. To truly know an entity, we must know all of its relationships; but because the entity is related to everything in each whole of which it is a part, these wholes must be known completely before the entity can be known. This seems to be a prerequisite impossible to satisfy.

Organicists' criticism of the analytic method arose from their failure to fully comprehend the method. In rejecting the analytic method, organicists overlooked the fact that before the proponents of the method analyzed the component parts of a system, they first determined both the laws applicable to the whole system and the initial conditions of the system; proponents of the method thus did not study parts of a system in full isolation from the system as a whole. Since organicists failed to recognize this, they never advanced any argument to show that laws and initial conditions of complex systems cannot be discovered. Hence, organicists offered no valid reason for rejecting the analytic method or for adopting organicism as a replacement for it.

31. Which one of the following most completely and accurately summarizes the argument of the passage?

(a) By calling into question the possibility that complex systems can be studied in their entirety, organicists offered an alternative to the analytic method favored by nineteenth-century scientists

(b) Organicists did not offer a useful method of studying complex systems because they did not acknowledge that there are relationship into which an entity may enter that do not alter the entity's identity

(c) Organicism is flawed because it relies on a theory that both ignores the fact that not all characteristics of entities are defining and ultimately makes the acquisition of knowledge impossible

(d) Organicism does not offer a valid challenge to the analytic method both because it relies on faulty theory and because it is based on a misrepresentation of the analytic method.

32. According to the passage, organicists' chief objection to the analytic method was that the method

(a) oversimplified systems by isolating their components

(b) assumed that a system can be divided into component parts

(c) ignored the laws applicable to the system as a whole

(d) claimed that the parts of a system are more important than the system as a whole

33. The passage offers information to help answer each of the following questions EXCEPT:

(a) Why does the theory of internal relations appear to make the acquisition of knowledge impossible?

(b) Why did the organicists propose replacing the analytic method?

(c) What is the difference between a defining characteristic and an accompanying characteristic?

(d) What are some of the advantages of separating out the parts of a system for study?

34. The passage most strongly supports the ascription of which one of the following views to scientists who use the analytic method?

(a) A complex system is best understood by studying its component parts in full isolation from the system as a whole

**Model Test Paper 45**  
**General Study Paper II**

<p>(b) The parts of a system should be studied with an awareness of the laws and initial conditions that govern the system</p> <p>(c) It is not possible to determine the laws governing a system until the system's parts are separated from one another</p> <p>(d) Because the parts of a system are interdependent, they cannot be studied separately without destroying the system's complexity.</p> <p>35. Which one of the following is a principle upon which the author bases an argument against the theory of the internal relations?</p> <p>(a) An adequate theory of complex systems must define the entities of which the system is composed</p> <p>(b) An acceptable theory cannot have consequences that contradict its basic purpose</p> <p>(c) An adequate method of study of complex systems should reveal the actual complexity of the system it studies</p> <p>(d) An acceptable theory must describe the laws and initial conditions of a complex system.</p> <p>36. How many words can be formed from the letters of the word 'SIGNATURE' so that the vowels always come together?</p> <p>(a) 720</p> <p>(b) 1440</p> <p>(c) 2880</p> <p>(d) 17280</p> <p>37. 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) <math>5 \times 5/11</math></p> <p>(b) <math>5 \times 6/11</math></p> <p>(c) <math>6 \times 5/11</math></p> <p>(d) <math>6 \times 6/11</math></p>	<p>38. 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%</p> <p>(b) 8%</p> <p>(c) 9.7%</p> <p>(d) 10%</p> <p>39. 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</p> <p>(b) 22</p> <p>(c) 29</p> <p>(d) 452</p> <p>40. A sum of money at simple interest amounts to Rs.815 in 3 years and to Rs. 854 in 4 years. The sum is</p> <p>(a) Rs. 650</p> <p>(b) Rs. 690</p> <p>(c) Rs. 698</p> <p>(d) Rs. 700</p> <p>41. 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/cm<sup>3</sup>, then the weight of the pipe is</p> <p>(a) 3.6 kg</p> <p>(b) 3.696 kg</p> <p>(c) 36 kg</p> <p>(d) 36.9 kg</p> <p>42. B, D, F, I, L, P, ?</p> <p>(a) R</p> <p>(b) S</p> <p>(c) T</p> <p>(d) U</p>
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Model Test Paper 45  
General Study Paper II

43. If X is the brother of the son of Y's son, how is X related to Y?

- (a) Cousin
- (b) Son
- (c) Grandson
- (d) Brother

44. Peter weighs more than Michael. Nina weighs more than John. John weighs less than Ben. Michael and Ben are exactly the same weight. If the information above is true, which of the following must also be true?

- (a) Nina weighs more than Peter
- (b) Michael weighs less than John
- (c) Michael weighs less than Nina
- (d) Peter weighs more than John

45. The Smiths have five children: Luke, Hugh, Ann, Judy and Beth. Beth is 7 years old, one year younger than Hugh, who is half the age of Ann. Ann is 4 years older than Luke and he is five years younger than Judy. How old is Judy?

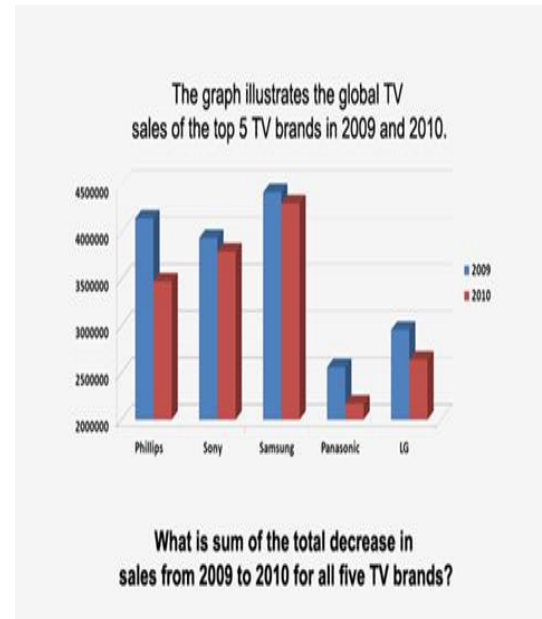
- (a) 19
- (b) 16
- (c) 17
- (d) 15

46. In a marathon Jack finished after Jane, and came in ahead of Bill. Mike beat Jane, but finished after Lee. where did Mike finish?

- (a) Third
- (b) First
- (c) Second
- (d) Fourth

47. British Airlines departed last. KLM departed before SAS. SAS departed after United Airlines. United Airlines departed before KLM. American Airlines departed after SAS. Which airline departed first?

- (a) KLM
  - (b) SAS
  - (c) American Airlines
  - (d) United Airlines
- 48.



- (a) 1,834,000
- (b) 1,932,000
- (c) 1,352,000
- (d) 1,651,000

**Model Test Paper 45**  
**General Study Paper II**

49.

Nutrition Values, Product A		
Serving size 1 cup (120 g). Servings per container: 5		
		% RDV*
Total calories	370	18%
Protein	9 g	4.5%
Total carbohydrate	76 g	25%
Sugars	23 g	4.5%
Total fat	5g	8%
Saturated fat	1g	5%
Dietary fiber	3g	12%
Iron	50mg	280%
Sodium	0.5g	1%

\*Recommended Daily Value - based on a 2000 calorie diet

If a person consumes 1.5 servings of product A, how many grams of non-sugar carbohydrates would he consume?

- (a) 26.5 g
- (b) 79.5 g
- (c) 114 g
- (d) 34.5 g

50. Review the facts below.

- Apples have grains.
- Onions have a strong smell.
- Grains do not smell.
- Strong smells do not bother David, unless he is running a fever.

Based on the information above, which of the following MUST be true? explanation

- (a) Apples may smell, but it does not come from their grains
- (b) Apples smell funny
- (c) Onions are white on the inside
- (d) David cannot stand onions, because of their strong smell

51. 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.

A sixth bear, Osami, is brought into either room 2 or 3. If there are two bears in each room, which one of the following must be true?

- (a) Knot is kept in room 1
- (b) Jinan is kept in room 2
- (c) Mushu is kept in room 2
- (d) Osami is kept in room 3

52. Computer companies are always looking for new employees.

Company A is a huge computer company.

Company B is a huge food company.

Computer companies are sometimes small.

Which statement must be true?

- (a) Company B is looking for new employees
- (b) Company A and Company B are not small companies
- (c) Company B is a small company
- (d) Companies A and B are not hiring at the moment

53. Review the facts below.

- Harry is a nurse.
  - Ruth is a doctor.
  - Nurses are not blond.
  - Some doctors are redheads.
- Based on the information above, which of the following MUST be true?

- (a) Harry is blond.
- (b) Harry is not blond
- (c) Ruth is not blonde
- (d) Some nurses are redheads

**Model Test Paper 45**  
**General Study Paper II**

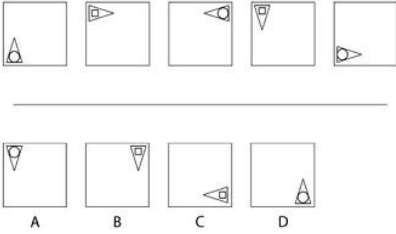
<p>54. According to a review of 38 studies of patients suffering from water retention, a large majority of the patients reported that fasting eased their suffering considerably. Yet fasting is not used to treat water retention even though the conventional medications often has serious side effects. Which of the following, if true, best explains the fact that fasting is not used as a treatment for water retention?</p> <p>(a) For a small percentage of patients with water retention, fasting induces a temporary sense of nausea</p> <p>(b) Getting patients with water retention to fast regularly is more difficult than getting healthy patients to do so</p> <p>(c) Fasting regularly over a long period of time can lead to temporary impairment of balance comparable to that induced by consuming several ounces of alcohol</p> <p>(d) The water retention returns in full force as soon as the fast is broken by even a small meal</p> <p>55. Home insurance premiums are typically set after an appraiser assigns an official assessed value. Reassessments should be frequent in order to remove distortions that arise when property value changes at differential rates. In actual fact, however, properties are reassessed only when they stand to benefit the insurance company. In other words, a reassessment takes place when the most likely outcome is an increase in insurance premiums to the homeowner. Which of the following, if true, describes a situation in which a reassessment should occur but is unlikely to do so? explanation</p> <p>(a) Property values have risen sharply and uniformly</p> <p>(b) Property values have risen everywhere - some very sharply, some moderately</p> <p>(c) Property values have on the whole risen sharply; yet some have dropped slightly</p> <p>(d) Property values have on the whole dropped significantly; yet some have risen slightly</p> <p>56. Although perioral dermatitis rashes are believed to be caused by reactions to Sodium Laurel Sulfate (SLS) found in shampoos and other personal care products, instructing patients to eliminate all products with SLS frequently does not stop the perioral dermatitis. Obviously, some other cause of perioral dermatitis besides</p>	<p>reactions to SLS must exist. Which of the following, if true, would most seriously weaken the conclusion above?</p> <p>(a) Many personal care products elicit an allergic skin response only after several days, making it very difficult to observe links between specific products patients use and the perioral dermatitis they develop</p> <p>(b) Skin allergies affect many people who never develop the symptom of perioral dermatitis</p> <p>(c) Many patients report that the personal care products that cause them perioral dermatitis are among the products they most enjoy using</p> <p>(d) Very few patients have allergic skin reactions as children and then live rash-free adult lives once they have eliminated products to which they have been demonstrated to be allergic</p> <p>57. In prenatal testing for spina bifida, a life threatening disease, a false positive result indicates that a fetus has spina bifida when, in fact, it does not; a false negative result indicates that a fetus does not have spina bifida when, in fact, it does. To detect spina bifida most accurately, physicians should use the laboratory test that has the lowest proportion of false positive results. Which of the following, if true, gives the most support to the recommendation above?</p> <p>(a) All laboratory tests to detect spina bifida have the same proportion of false negative results</p> <p>(b) The laboratory test that has the lowest proportions of false positive results causes the same minor side effects as do the other laboratory tests used to detect spina bifida</p> <p>(c) In treating spina bifida patients, it is essential to begin treatment as early as possible, since even a week of delay can result in loss of life</p> <p>(d) The proportion of inconclusive test results is equal for all laboratory tests used to detect spina bifida</p> <p>58. Health club membership has increased dramatically over the last five years. In order to take advantage of this increase, Fitness Express plans to open more of the same types of classes available during the week, while continuing its already very extensive advertising in newspapers and on the radio. Which of the following, if true, provides most support for the view that Fitness Express cannot increase membership to its gyms by adopting the plan outlined above?</p>
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**Model Test Paper 45**  
**General Study Paper II**

<p>(a) Although it fills all of the classes it opens, Fitness Express's share of all health club memberships has declined over the last five years.</p> <p>(b) Fitness Express' number of classes offered to their clients has declined slightly over the last year</p> <p>(c) Advertising has made the name of Fitness Express widely known, but few customers know that Fitness Express health clubs also offer acupuncture and shiatsu treatments</p> <p>(d) Despite a slight decline in membership price, sales of Fitness Express memberships have fallen in the last five years</p> <p>59. In a psychological experiment conducted at Southbay University, groups of men with various levels of education read stories in which people caused harm, some of them doing so intentionally, and some accidentally. When asked about appropriate penalization for those who had caused harm, the less educated men, unlike the educated ones, assigned punishments that did not vary according to whether the harm was done intentionally or accidentally. Uneducated men, then, do not regard people's intentions as relevant to penalization. Which of the following, if true, would most seriously weaken the conclusion above?</p> <p>(a) In these stories, the severity of the harm produced was clearly stated</p> <p>(b) In interpreting these stories, the listeners had to rely on a high levels of emotional intelligence in order to tell whether harm was produced intentionally or accidentally</p> <p>(c) In interpreting these stories, the listeners had to rely on a high levels of emotional intelligence in order to tell whether harm was produced intentionally or accidentally</p> <p>(d) The more educated men assigned penalization in a way that closely resembled the way women had assign penalization in a similar experiment</p> <p>60. More sports journals are sold in Hornby than in Milston. Therefore, the residents of Hornby are better informed about major sporting events than are the residents of Milston. Each of the following, if true, weakens the conclusion above EXCEPT:</p> <p>(a) Hornby has a larger population than Milston</p> <p>(b) Most residents of Milston work in Hornby and buy their reading material there</p>	<p>(c) The average newsstand price of journals sold in Hornby is lower than the average price of journals sold in Milston</p> <p>(d) A monthly journal restricted to the coverage of local events is published in Hornby</p> <p>61. Which of the following, best completes the passage below? At last month's symposium on the increasing air pollution affecting the Beaumont forest, most participating members favored uniform controls on the quality of exhaust fumes, whether or not specific environmental damage could be attributed to a particular source of fumes. What must, of course, be shown, in order to avoid excessively restrictive controls, is that _____.</p> <p>(a) any uniform controls that are adopted are likely to be implemented without delay</p> <p>(b) any substance to be made subject to controls can actually cause environmental damage</p> <p>(c) environmental damage already inflicted on the Beaumont forest is reversible</p> <p>(d) the members favoring uniform controls are those representing bodies that generate the largest quantities of exhaust fumes</p> <p>62.</p> <div style="text-align: center;"> </div> <hr style="width: 20%; margin: 10px auto;"/> <div style="text-align: center;"> </div> <p>What comes next in the sequence?</p> <p>(a)</p> <p>(b)</p> <p>(c)</p> <p>(d)</p>
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**Model Test Paper 45**  
**General Study Paper II**

63.



What comes next in the sequence?

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

64.

A hotel currently has 80% of its rooms booked for the first of May. In order to reach 100% occupancy, the hotel has lowered the price of the rooms by 12.5%. If there are 25 rooms still available, and each room was originally £150 per night, how much additional revenue is made by reaching 100% occupancy?

- (a) 3,821.25
- (b) 3,358.75
- (c) 3,452.55
- (d) 3,524.25

65.

A Tobin tax is a tax on spot conversion of one currency into another. An investor converts 12,000 US dollars into Euros on a foreign exchange market. If the exchange charges a 3% fee per transaction, and a 1.5% Tobin tax is charged on the value of the transaction after paying the fee, how many Euros will the investor have after the conversion? (1 US dollar = 0.75 Euros)

- (a) 8,102.84
- (b) 8,235.54
- (c) 8,325.36
- (d) 8,599.05

66.

An executive headhunter charges  $\frac{1}{3}$  of the basic salary of each executive they provide to their clients. Of this  $\frac{1}{3}$ , the headhunter personally receives 50% of this fee as a personal commission. If the headhunter provides 12 executives per year, who have an average basic salary of £150,000, how much commission will the executive headhunter earn?

- (a) 225,000
- (b) 250,000
- (c) 275,000
- (d) 300,000

Model Test Paper 45  
General Study Paper II

67.

Jacob works part time at £6.20 an hour. Jacob is paid every four weeks. In the first week, Jacob works for 16 hours, in the second he works for 10 hours, in the third he works for 13 hours and in the fourth he works for 19 hours. Assuming Jacob pays 20% income tax, how much money will Jacob earn at the end of four weeks after tax?

- (a) 268.24
- (b) 274.24
- (c) 287.68
- (d) 297.34

68. Find the missing number:  
4, ?, 20, 10, 100, 50, 500

- (a) 30
- (b) 2
- (c) 8
- (d) 1

69.

Find the missing number:

15	23	8	29	57
22	?	15	36	64

- (a) 14
- (b) 30
- (c) 34
- (d) 28

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

- (a) 31
- (b) 44
- (c) 62
- (d) 54

71.

Find the missing number:

?	11	26	13
62	31	90	45

- (a) 31
- (b) 7
- (c) 22
- (d) 6

72. Find the missing number:  
12, 15, 21, ?, 30, 33

- (a) 24
- (b) 23
- (c) 26
- (d) 27

73.

Find the missing number:

36	42	16	?
64	72	9	12

**Model Test Paper 45**  
**General Study Paper II**

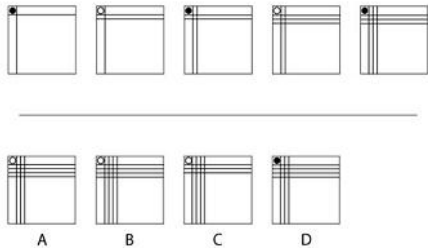
(a) 24

(b) 19

(c) 20

(d) 22

74.



What comes next in the sequence?

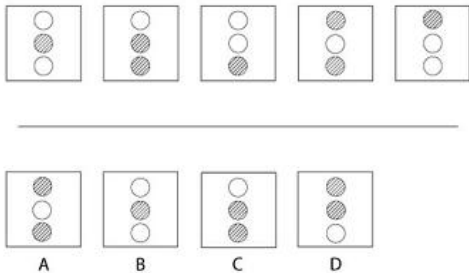
(a)

(b)

(c)

(d)

75.



What comes next in the sequence?

(a)

(b)

(c)

(d)

76.

Current figures suggest that one in five British children will be obese by the time they reach the final year of primary school. This statement comes from a survey conducted by the National Child Measurement Programme, which collected data based on more than one million school children.

London was found to have the highest percentage of obese children, with 20% of final year pupils affected by the issue. The survey also noted that the problem was twice as acute in deprived areas, with 14% of four and five year olds in deprived area being obese, compared to only 6% in well-off areas. In comparison to the rising rates of obesity in children, the percentage of obese adults in the UK has fallen, currently standing at 23%.

What percentage of obese children will become obese adults?

(a) 20%

(b) 14%

(c) 23%

(d) Cannot say

77.

The Office of Fair Trading (OFT) has begun an investigation into Britain's car insurance industry after prices soared by twenty five percent in the last two years. The regulatory body believe that a restriction has been placed on the market by a lack of competition between insurance providers.

In addition, the OFT suggest that the increasing popularity of comparison sites has led to an increase in referral fees, which insurance companies passed on to drivers. Further research into the issue is being carried out and is predicted to be completed in the spring of next year.

**Model Test Paper 45**  
**General Study Paper II**

Which one of the following reasons the OFT blame for the rise in cost for car insurance?

- (a) An increase in referral fees covered by the insurance provider
- (b) An increase in referral fees that get passing on to drivers
- (c) An increase in referral fees that are passed on to the OFT
- (d) A lack of competition between OFT providers

78.

The luxury goods market has seen a sudden slump in sales in China thanks to the emergence of Chinese labels. While China's love of Western brands, such as Prada and Louis Vuitton, shows no sign of ending, a new group of smaller luxury Chinese companies is gaining in popularity.

Such companies try to promote traditional Chinese values, rather than the exclusivity of Western labels that have been ever popular in China. Feedback for the new rivals has been positive so far, yet they are expected to face an up-hill struggle as Western heavyweights rise to meet the challenge.

Which one of the following statements is incorrect?

- (a) Luxury Chinese labels decreased sales of western luxury goods
- (b) Chinese companies are emulating the exclusivity of Western luxury goods
- (c) Chinese companies are trying to promote traditional values
- (d) The Western market is rising to the challenge of Chinese companies

79.

The National Institute for Clinical Excellence (NICE) has announced that the number of cases of anaphylactic shock in the UK has risen by over 600 per cent in the past twenty years. Anaphylaxis is usually triggered by an allergic reaction and can cause a decrease in blood pressure, swelling of the affected area and a difficulty to breath. Such reactions, which can cause death or serious illness in otherwise healthy individuals, are estimated to affect an average of fifty-thousand people over the course of their lifetime. Guidelines for dealing with anaphylactic shock were published today by NICE and include advise such as giving those who have previously suffered from anaphylaxis an adrenaline injection, which they can administer themselves in the advent of a future attack. Such measures may prove lifesaving.

Which one of the following statements is definitely correct?

- (a) UK annual Anaphylactic shock cases are numbered at fifty-thousand
- (b) UK Anaphylactic shock cases have risen over six hundred percent in ten years
- (c) Injection of adrenaline is the only cure for anaphylactic shock
- (d) Anaphylactic shock can cause death or serious illness in healthy individuals



**Model Test Paper 45**  
**General Study Paper II**

80.

Over the past decade, the process of out-sourcing has become a common aspect of daily life for many British companies. However, a local governmental authority recently took this phenomenon to a new level when it out-sourced its waste-collection, leisure facilities, planning, licensing and pest control. Acting now in a supervisory role, the local authority now has only fourteen remaining employees. A spokesman for the council stated that this move aimed to reduce spending cuts, as central government grant money is cut substantially across the country.

Talking about her work load since the job cuts, a remaining employee commented that the cuts have brought more variety to her day as different tasks now come under one officer, when they would have been segregated prior to the cuts. It remains to be seen whether such changes will stream line local government authorities into more commercial like operations.

Which of the following statements is not mentioned by the passage?

- (a) Local authorities are considering new ways to save money
- (b) Since outsourcing, remaining employees have more variety in their day
- (c) Out-sourcing has become common practice in many companies
- (d) Authorities must act like commercial operations to survive funding cuts

Model Test Paper 45  
General Study Paper II

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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