

Model Test Paper 4
General Study Paper II

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

TEST BOOKLET
GENERAL STUDIES
Paper-II

D

Time Allowed : Two Hours

Maximum Marks : 200

INSTRUCTIONS

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION YOU SHOULD CHECK THAT THE TEST BOOKLET *DOES NOT* HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS, ETC, IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET.
2. **Please note that it is the candidate's responsibility to encode and fill in the Roll Number and Test Booklet Series A, B, C or D carefully and without any omission or discrepancy at the appropriate place in the OMR Answer Sheet. Any omission/discrepancy will render the Answer Sheet liable for rejection.**
3. You have to enter your Roll Number on the Test Booklet in the Box provided alongside . *DO NOT* write *anything else* on the Test Booklet.
4. This Test Booklet contains **80** items (questions). Each item comprises four responses (answers). You will select the response which you want to mark on the Answer Sheet. In case you feel that there is more than one correct response, mark the response which you consider the best. In any case, choose *ONLY ONE* response for each item.
5. You have to mark all your responses *ONLY* on the separate Answer Sheet provided.
6. **All** items carry equal marks.
7. Before you proceed to mark in the Answer Sheet the response to various items in the Test Booklet, you have to fill in some particulars in the Answer Sheet as per instructions sent to you with your Admission Certificate.
8. After you have completed filling in all your responses on the Answer Sheet and the examination has concluded, you should hand over to the invigilator only the *Answer Sheet*. You are permitted to take away with you the Test Booklet.
9. Sheets for rough work are appended in the Test Booklet at the end.
10. **Penalty for wrong Answers :**
THERE WILL BE PENALTY FOR WRONG ANSWERS MARKED BY A CANDIDATE IN THE OBJECTIVE TYPE QUESTION PAPERS.
(i) There are four alternatives for the answer to every question. For each question for which a wrong answer has been given by the candidate, **one-third** of the marks assigned to that question will be deducted as penalty.
(ii) If a candidate gives more than one answer, it will be treated as a **wrong answer** even if one of the given answers happens to be correct and there will be same penalty as above to that question.
(iii) If a question is left blank, i.e., no answer is given by the candidate, there will be **no penalty** for that question.

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<p>All of the cells in a particular plant start out with the same complement of genes. How then can these cells differentiate and form structures as different as roots, stems, leaves, and fruits? The answer is that only a small subset of the genes in a particular kind of cell are expressed, or turned on, at a given time. This is accomplished by a complex system of chemical messengers that in plants include hormones and other regulatory molecules. Five major hormones have been identified: auxin, abscisic acid, cytokinin, ethylene, and gibberellin. Studies of plants have now identified a new class of regulatory molecules called oligosaccharins. Unlike the oligosaccharins, the five well-known plant hormones are pleiotropic rather than specific; that is, each has more than one effect on the growth and development of plants. The five has so many simultaneous effects that they are not very useful in artificially controlling the growth of crops. Auxin, for instance, stimulates the rate of cell elongation, causes shoots to grow up and roots to grow down, and inhibits the growth of lateral shoots. Auxin also causes the plant to develop a vascular system, to form lateral roots, and to produce ethylene.</p> <p>The pleiotropy of the five well-studied plant hormones is somewhat analogous to that of certain hormones in animal. For example, hormones from the hypothalamus in the brain stimulate the anterior lobe of the pituitary gland to synthesize and release many different hormones, one of which stimulates the release of hormones from the adrenal cortex. These hormones have specific effects on target organs all over the body. One hormone stimulates the thyroid gland, for example, another the ovarian follicle cells, and so forth. In other words, there is a hierarchy of hormones. Such a hierarchy may also exist in plants. Oligosaccharins are fragments of the cell wall released by enzymes: different enzymes release different oligosaccharins. There are indications that pleiotropic plant hormones may actually function by activating the enzymes that release these other, more specific chemical messengers from the cell wall.</p> <p>1. According to the passage, the five well-known plant hormones are not useful in controlling the growth of crops because</p> <p>(a) it is not known exactly what functions the hormones perform</p> <p>(b) each hormone has various effects on plants</p> <p>(c) none of the hormones can function without the others</p> <p>(d) each hormone has different effects on different kinds of plants</p>	<p>2. The passage suggests that the place of hypothalamic hormones in the hormonal hierarchies of animals is similar to the place of which of the following in plants?</p> <p>(a) Plant cell walls</p> <p>(b) The complement of genes in each plant cell</p> <p>(c) A subset of a plant cell's gene complement</p> <p>(d) The five major hormones</p> <p>3. The passage suggests that which of the following is a function likely to be performed by an oligosaccharin?</p> <p>(a) To stimulate a particular plant cell to become part of a plant's root system</p> <p>(b) To stimulate the walls of a particular cell to produce other oligosaccharins</p> <p>(c) To activate enzymes that release specific chemical messengers from plant cell walls</p> <p>(d) To duplicate the gene complement in a particular plant cell</p> <p>4. The author mentions specific effects that auxin has on plant development in order to illustrate the</p> <p>(a) point that some of the effects of plant hormones can be harmful</p> <p>(b) way in which hormones are produced by plants</p> <p>(c) hierarchical nature of the functioning of plant hormones</p> <p>(d) concept of pleiotropy as it is exhibited by plant hormones</p> <p>5. According to the passage, which of the following best describes a function performed by oligosaccharins?</p> <p>(a) Regulating the daily functioning of a plant's cells</p> <p>(b) Interacting with one another to produce different chemicals</p> <p>(c) Releasing specific chemical messengers from a plant's cell walls</p>
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<p>(d) Influencing the development of a plant's cells by controlling the expression of the cells' genes</p> <p>6. The passage suggests that, unlike the pleiotropic hormones, oligosaccharins could be used effectively to</p> <p>(a) trace the passage of chemicals through the walls of cells</p> <p>(b) pinpoint functions of other plant hormones</p> <p>(c) artificially control specific aspects of the development of crops</p> <p>(d) alter the complement of genes in the cells of plants</p> <p>7. The author discusses animal hormones primarily in order to</p> <p>(a) introduce the idea of a hierarchy of hormones</p> <p>(b) explain the effects that auxin has on plant cells</p> <p>(c) contrast the functioning of plant hormones and animals hormones</p> <p>(d) illustrate the way in which particular hormones affect animals</p> <p>In choosing a method for determining climatic conditions that existed in the past, paleoclimatologists invoke four principal criteria. First, the material—rocks, lakes, vegetation, etc.—on which the method relies must be widespread enough to provide plenty of information, since analysis of material that is rarely encountered will not permit correlation with other regions or with other periods of geological history. Second, in the process of formation, the material must have received an environmental signal that reflects a change in climate and that can be deciphered by modern physical or chemical means. Third, at least some of the material must have retained the signal unaffected by subsequent changes in the environment. Fourth, it must be possible to determine the time at which the inferred climatic conditions held. This last criterion is more easily met in dating marine sediments, because dating of only a small number of layers in a marine sequence allows the age of other layers to be estimated fairly reliably by extrapolation and interpolation. By contrast, because sedimentation is much less continuous in continental regions, estimating the age of a continental bed from the known ages of beds above and below is more risky.</p>	<p>One very old method used in the investigation of past climatic conditions involves the measurement of water levels in ancient lakes. In temperate regions, there are enough lakes for correlations between them to give us a reliable picture. In arid and semiarid regions, on the other hand, the small number of lakes and the great distances between them reduce the possibilities for correlation. Moreover, since lake levels are controlled by rates of evaporation as well as by precipitation, the interpretation of such levels is ambiguous. For instance, the fact that lake levels in the semiarid southwestern United States appear to have been higher during the last ice age than they are now was at one time attributed to increased precipitation. On the basis of snow-line elevations, however, it has been concluded that the climate then was not necessarily wetter than it is now, but rather that both summers and winters were cooler, resulting in reduced evaporation.</p> <p>Another problematic method is to reconstruct former climates on the basis of pollen profiles. The type of vegetation in a specific region is determined by identifying and counting the various pollen grains found there. Although the relationship between vegetation and climate is not as direct as the relationship between climate and lake levels, the method often works well in the temperate zones. In arid and semiarid regions in which there is not much vegetation, however, small changes in one or a few plant types can change the picture dramatically, making accurate correlations between neighboring areas difficult to obtain.</p> <p>8. Which of the following statements about the difference between marine and continental sedimentation is supported by information in the passage?</p> <p>(a) Data provided by dating marine sedimentation is more consistent with researchers' findings in other disciplines than is data provided by dating continental sedimentation.</p> <p>(b) It is easier to estimate the age of a layer in a sequence of continental sedimentation than it is to estimate the age of a layer in a sequence of marine sedimentation.</p> <p>(c) Marine sedimentation is much less widespread than continental sedimentation.</p> <p>(d) Marine sedimentation is much more continuous than is continental sedimentation.</p>
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<p>9. Which of the following statements best describes the organization of the passage as a whole?</p> <p>(a) The author describes a method for determining past climatic conditions and then offers specific examples of situations in which it has been used.</p> <p>(b) The author discusses the method of dating marine and continental sequences and then explains how dating is more difficult with lake levels than with pollen profiles.</p> <p>(c) The author describes the common requirements of methods for determining past climatic conditions and then discusses examples of such methods.</p> <p>(d) The author describes various ways of choosing a material for determining past climatic conditions and then discusses how two such methods have yielded contradictory data.</p> <p>10. It can be inferred from the passage that paleoclimatologists have concluded which of the following on the basis of their study of snow-line elevations in the southwestern United States?</p> <p>(a) There is usually more precipitation during an ice age because of increased amounts of evaporation.</p> <p>(b) There was less precipitation during the last ice age than there is today.</p> <p>(c) The high lake levels during the last ice age may have been a result of less evaporation rather than more precipitation.</p> <p>(d)) Lake levels in the semiarid southwestern United States were lower during the last ice age than they are today.</p> <p>11. Which of the following would be the most likely topic for a paragraph that logically continues the passage?</p> <p>(a) A third method for investigating past climatic conditions</p> <p>(b) The kinds of plants normally found in arid regions</p> <p>(c) The effect of variation in lake levels on pollen distribution</p> <p>(d) The material best suited to preserving signals of climatic changes</p>	<p>12. The author discusses lake levels in the southwestern United States in order to</p> <p>(a) illustrate the mechanics of the relationship between lake level, evaporation, and precipitation</p> <p>(b) provide an example of the uncertainty involved in interpreting lake levels</p> <p>(c) prove that there are not enough ancient lakes with which to make accurate correlations</p> <p>(d) explain the effects of increased rates of evaporation on levels of precipitation</p> <p>13. It can be inferred from the passage that an environmental signal found in geological material would not be useful to paleoclimatologists if it</p> <p>(a) had to be interpreted by modern chemical means</p> <p>(b) reflected a change in climate rather than a long-term climatic condition</p> <p>(c) was incorporated into a material as the material was forming</p> <p>(d) also reflected subsequent environmental changes</p> <p>14. According to the passage, the material used to determine past climatic conditions must be widespread for which of the following reasons?</p> <p>I. Paleoclimatologists need to make comparisons between periods of geological history.</p> <p>II. Paleoclimatologists need to compare materials that have supported a wide variety of vegetation.</p> <p>III. Paleoclimatologists need to make comparisons with data collected in other regions.</p> <p>(a) I only</p> <p>(b) II only</p> <p>(c) I and II only</p> <p>(d) I and III only</p> <p>15. Which of the following can be inferred from the passage about the study of past climates in arid and semiarid regions?</p>
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<p>(a) It is sometimes more difficult to determine past climatic conditions in arid and semiarid regions than in temperate regions</p> <p>(b) Although in the past more research has been done on temperate regions, paleoclimatologists have recently turned their attention to arid and semiarid regions.</p> <p>(c) Although more information about past climates can be gathered in arid and semiarid than in temperate regions, dating this information is more difficult.</p> <p>(d) It is difficult to study the climatic history of arid and semiarid regions because their climates have tended to vary more than those of temperate regions. Until recently most astronomers believed that the space between the galaxies in our universe was a near-perfect vacuum. This orthodox view of the universe is now being challenged by astronomers who believe that a heavy "rain" of gas is falling into many galaxies from the supposedly empty space around them. The gas apparently condenses into a collection of small stars, each a little larger than the planet Jupiter. These stars vastly outnumber the other stars in a given galaxy. The amount of "intergalactic rainfall" into some of these galaxies has been enough to double their mass in the time since they formed. Scientists have begun to suspect that this intergalactic gas is probably a mixture of gases left over from the "big bang" when the galaxies were formed and gas was forced out of galaxies by supernova explosions. It is well known that when gas is cooled at a constant pressure its volume decreases. Thus, the physicist Fabian reasoned that as intergalactic gas cools, the cooler gas shrinks inward toward the center of the galaxy. Meanwhile its place is taken by hotter intergalactic gas from farther out on the edge of the galaxy, which cools as it is compressed and flows into the galaxy. The net result is a continuous flow of gas, starting as hot gases in intergalactic space and ending as a drizzle of cool gas called a "cooling flow," falling into the central galaxy.</p> <p>A fairly heretical idea in the 1970's, the cooling-flow theory gained support when Fabian observed a cluster of galaxies in the constellation Perseus and found the central galaxy, NGC 1275, to be a strange-looking object with irregular, thin strands of gas radiating from it. According to previous speculation, these strands were gases that had been blown out by an explosion in the galaxy. Fabian, however, disagreed. Because the strands of gas radiating from NGC 1275 are visible in optical photographs, Fabian suggested that such strands consisted not of gas blown out of the galaxy but of cooling flows of gas streaming</p>	<p>inward. He noted that the wavelengths of the radiation emitted by a gas would change as the gas cooled, so that as the gas flowed into the galaxy and became cooler, it would emit not x-rays, but visible light, like that which was captured in the photographs. Fabian's hypothesis was supported by Canizares' determination in 1982 that most of the gas in the Perseus cluster was at a temperature of 80 million degrees Kelvin, whereas the gas immediately surrounding NGC 1275 (the subject of the photographs) was at one-tenth this temperature.</p> <p>16. The primary purpose of the passage is to</p> <p>(a) illustrate a hypothesis about the origin of galaxies</p> <p>(b) provide evidence to dispute an accepted theory about the evolution of galaxies</p> <p>(c) summarize the state of and prospects for research in intergalactic astronomy</p> <p>(d) report new data on the origins of intergalactic gas</p> <p>17. The author uses the phrase "orthodox view of the universe" to refer to the belief that</p> <p>(a) the space between the galaxies is devoid of matter</p> <p>(b) the space between galaxies is occupied by stars that cannot be detected by optical photographs</p> <p>(c) galaxies have decreased in mass by half since their formation</p> <p>(d) galaxies contain stars, each the size of Jupiter, which form clusters</p> <p>18. It can be inferred from the passage that, if Fabian is correct, gas in the peripheral regions of a galaxy cluster</p> <p>(a) streams outward into intergalactic space</p> <p>(b) is hotter than gas in the central regions of the galaxy</p> <p>(c) is composed primarily of gas left over from the big bang</p> <p>(d) results in the creation of unusually large stars</p>
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<p>19. The author of the passage probably mentions Canizares' determination in order to</p> <p>(a) clarify an ambiguity in Fabian's research findings</p> <p>(b) illustrate a generalization about the temperature of gas in a galaxy cluster</p> <p>(c) introduce a new argument in support of the orthodox view of galaxies</p> <p>(d) provide support for Fabian's assertions about the Perseus galaxies</p> <p>20. According to the passage, Fabian believes that gas flowing into a central galaxy has which of the following characteristics?</p> <p>(a) It is one-tenth hotter than it was in the outer regions of the galaxy cluster.</p> <p>(b) It emits radiation with wavelengths that change as the gas moves toward the center of the galaxy.</p> <p>(c) The total amount of radiation emitted diminishes as the gas cools.</p> <p>(d) It loses 90 percent of its energy as it moves to the center of the galaxy.</p> <p>The new Apple iPhone, available in the UK from July 2008, is a combined mobile phone, iPod and web browser, using the 3G phone network for faster surfing of the internet. Initially O2, Apple's exclusive UK mobile phone provider, charged customers an up-front fee for the iPhone, but it could soon be offered for free for those who pay a tariff of £75 a month. It could also be available on a pay-as-you-go basis. The new phone has sold well in the United States, but sales in Europe have been slow owing to the high price. Also the price of the older 8GB version has been drastically reduced making it a more attractive option for some buyers.</p> <p>21. The Apple iPhone is available in the UK through O2, Vodafone and Virgin Mobile</p> <p>(a) True</p> <p>(b) False</p> <p>(c) Cannot say</p> <p>(d)</p>	<p>22. The iPhone could soon be available free for some customers</p> <p>(a) True</p> <p>(b) False</p> <p>(c) Cannot say</p> <p>(d)</p> <p>23. The high price of the new iPhone has increased sales of the older version</p> <p>(a) True</p> <p>(b) False</p> <p>(c) Cannot say</p> <p>(d)</p> <p>Originally estimated in 2005 to cost £3bn, the revised cost of the 2012 London Olympic Games had risen to £9bn by 2007, and must by now have risen still further. Can these amounts to host a sporting event over seventeen days be justified in the present economic environment? In its defence, the Mayor of London, Boris Johnson, has commented that London was "extremely fortunate" to be hosting the games in the current economic climate. Lord Coe, chairman of the 2012 organising committee, agrees and has suggested that the games could help London and the country to get through the recession. Billions of pounds worth of contracts are currently available, providing work to safeguard the jobs of more than 3,500 people now working on the games' building sites, 10% of whom had previously been unemployed.</p> <p>24. The estimated cost of the 2012 Olympic Games trebled between 2005 and 2007</p> <p>(a) True</p> <p>(b) False</p> <p>(c) Cannot say</p> <p>(d)</p> <p>25. The Mayor of London doubts the wisdom of London hosting the games in the current economic climate</p> <p>(a) True</p>
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<p>(b) False (c) Cannot say (d)</p> <p>26. Employment resulting from the games has provided jobs for at least 350 previously unemployed people</p> <p>(a) True (b) False (c) Cannot say (d)</p> <p>27. Sebastian Coe is a former Olympic runner, and the winner of the 1500 metres races in both Moscow and Los Angeles</p> <p>(a) True (b) False (c) Cannot say (d)</p> <p>Can you imagine life vests for polar bears, or bulletproof vests for Bengali tigers? These are just two of the ideas proposed by the Swedish company ADDI Concepts to raise awareness of the plight of endangered species. Global warming has caused melting of the Arctic ice, which in turn has reduced the size and number of ice floes. Having to swim greater distances between ice floes to find food, more and more polar bears are drowning. ADDI Concepts has designed a life jacket to help polar bears stay afloat. Similarly, owing to illegal hunting, the world's population of Bengali tigers has declined by 95% over the last one hundred years. Maybe a bulletproof vest for tigers is the answer. The company does not offer these ideas as direct solutions for the problems, but rather to raise awareness and inspire action.</p> <p>28. The world's population of polar bears is decreasing owing to illegal hunting</p> <p>(a) True (b) False (c) Cannot say (d)</p>	<p>29. Global warming has increased the distances between ice floes</p> <p>(a) True (b) False (c) Cannot say (d)</p> <p>30. ADDI Concepts' main reason for developing life jackets for polar bears and bulletproof vests for tigers is to raise awareness of endangered species</p> <p>(a) True (b) False (c) Cannot say (d)</p> <p>31. Changing the law on the hunting of Bengali tigers would have no effect on the number that are hunted</p> <p>(a) True (b) False (c) Cannot say (d)</p> <div style="text-align: center; margin: 10px 0;"> <table border="1" style="background-color: #008080; color: white; width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="5">UK Tourist data</th> </tr> <tr> <th style="text-align: left;">Country of origin</th> <th style="text-align: center;">Annual Number of Tourists (1000s)</th> <th style="text-align: center;">Total Spending (million)</th> <th style="text-align: center;">Average Family Length of Stay (days)</th> <th style="text-align: center;">Average Family Spend (£ per day)</th> </tr> </thead> <tbody> <tr> <td>Australia</td> <td style="text-align: center;">2,200</td> <td style="text-align: center;">435</td> <td style="text-align: center;">5.2</td> <td style="text-align: center;">236</td> </tr> <tr> <td>Spain</td> <td style="text-align: center;">1,300</td> <td style="text-align: center;">410</td> <td style="text-align: center;">2.8</td> <td style="text-align: center;">116</td> </tr> <tr> <td>Germany</td> <td style="text-align: center;">660</td> <td style="text-align: center;">380</td> <td style="text-align: center;">4.6</td> <td style="text-align: center;">148</td> </tr> <tr> <td>U.S.A.</td> <td style="text-align: center;">830</td> <td style="text-align: center;">350</td> <td style="text-align: center;">6.2</td> <td style="text-align: center;">244</td> </tr> <tr> <td>Italy</td> <td style="text-align: center;">550</td> <td style="text-align: center;">283</td> <td style="text-align: center;">3.8</td> <td style="text-align: center;">164</td> </tr> </tbody> </table> </div> <p>32. On average, families from which country of origin spend the most during a typical stay?</p>	UK Tourist data					Country of origin	Annual Number of Tourists (1000s)	Total Spending (million)	Average Family Length of Stay (days)	Average Family Spend (£ per day)	Australia	2,200	435	5.2	236	Spain	1,300	410	2.8	116	Germany	660	380	4.6	148	U.S.A.	830	350	6.2	244	Italy	550	283	3.8	164
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(a) Australia

(b) Spain

(c) Germany

(d) U.S.A.

33. On average, families from which of the countries shown spend the most and the least per typical stay?

(a) Can't tell from the data

(b) U.S.A. (most); Italy (least)

(c) U.S.A. (most); Spain (least)

(d) Australia (most); Italy (least)

34. Which of the following statements is True?

(a) The ratio of German:Spanish tourists is 1:2

(b) There are less Spanish tourists than German and Italian tourists combined

(c) German families have the longest average length of stay

(d) Total German tourist spending is more than 92% of Total Spanish tourist spending

35. On average which of the following tour parties would spend the most per day?

(a) 2 Australian families

(b) 2 Spanish families

(c) 3 German families

(d) 3 U.S.A. families

36. Approximately, what's the average daily spend per family for the 5 countries of origin shown?

(a) £170

(b) £180

(c) £136

(d) Cannot tell from data

Share	Price today (£)	Price yesterday (£)
Share A	20.0	19.4
Share B	4.2	3.9
Share C	18.1	19.3
Share D	5.6	5.1
Share E	3.1	3.3

Exchange Rate	Today	Yesterday
\$	1.62 \$ to the £	1.63 \$ to the £
€	1.23 € to the £	1.22 € to the £

37. Which shares have increased and decreased respectively in value by the largest percent from yesterday to today?

(a) Share D, Share A

(b) Share D, Share C

(c) Share D, Share E

(d) Share B, Share A

38. A dealer buys 250 Share Ds and 350 Share Es at yesterday's prices and sells these at today's prices. How much profit or loss does the dealer make?

(a) £125 profit

(b) £70 profit

(c) £55 profit

(d) £125 loss

39. A trader has 200,000 Share Bs to sell at today's price and today plans to split her proceeds equally into an investment in Share A and Share D. In how many Share As and Share Ds does the trader invest?

(a) 20,000 Share A and 70,000 Share D

(b) 21,000 Share A and 75,000 Share D

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- (c) 22,000 Share A and 80,000 Share D
- (d) 23,000 Share A and 85,000 Share D

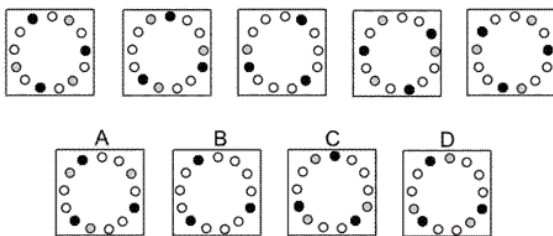
40. What was the total cost of buying 550 Share Cs yesterday and 1,050 Share Es today (to the nearest \$1,000)?

- (a) \$11,000
- (b) \$14,000
- (c) \$17,000
- (d) \$23,000

41. Today's prices for Share A and Share C (in Euros) respectively represent a 15% decrease and a 22% increase on the price (in Euros) one year ago. What were the respective prices a year ago (to the nearest Euro)?

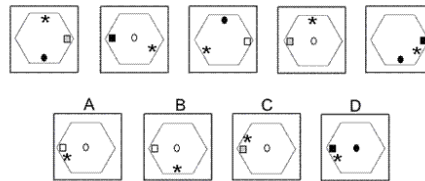
- (a) €18 (Share A); €18 (Share C)
- (b) €22 (Share A); €22 (Share C)
- (c) €29 (Share A); €29 (Share C)
- (d) €29 (Share A); €18 (Share C)

42.



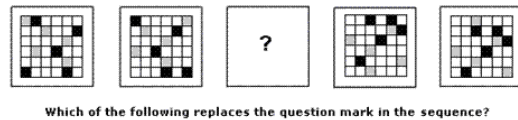
- (a) A
- (b) B
- (c) C
- (d) D

43.



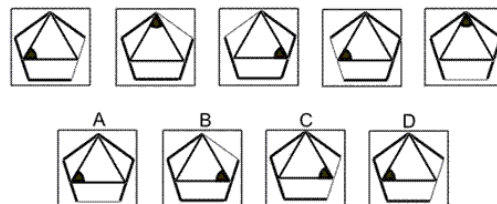
- (a) A
- (b) B
- (c) C
- (d) D

44.



- (a) A
- (b) B
- (c) C
- (d) D

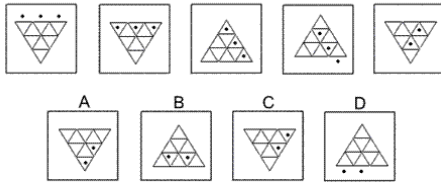
45.



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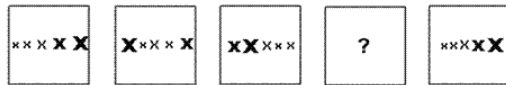
- (a) A
- (b) B
- (c) C
- (d) D

46.

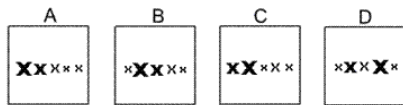


- (a) A
- (b) B
- (c) C
- (d) D

47.

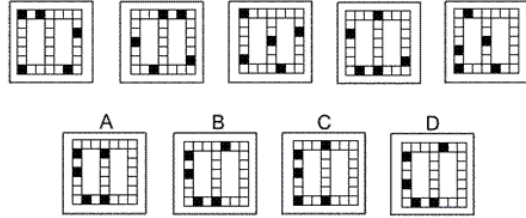


Which of the following replaces the question mark in the sequence?



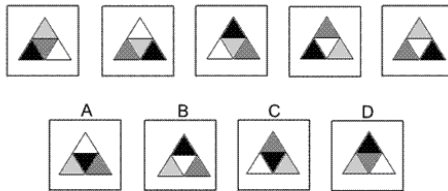
- (a) A
- (b) B
- (c) C
- (d) D

48.



- (a) A
- (b) B
- (c) C
- (d) D

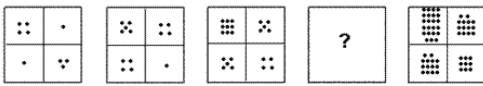
49.



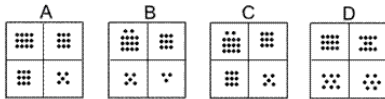
- (a) A
- (b) B
- (c) C
- (d) D

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50.

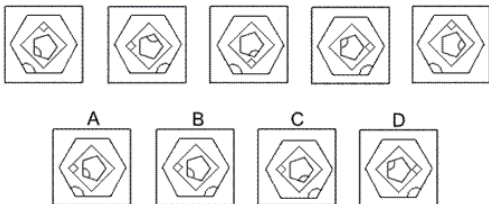


Which of the following replaces the question mark in the sequence?



- (a) A
- (b) B
- (c) C
- (d) D

51.



- (a) A
- (b) B
- (c) C
- (d) D

52. Which word does NOT belong with the others?

- (a) inch
- (b) ounce
- (c) centimeter
- (d) yard

53. Which word does NOT belong with the others?

- (a) street
- (b) freeway
- (c) interstate
- (d) expressway

54. Which word does NOT belong with the others?

- (a) dodge
- (b) flee
- (c) duck
- (d) avoid

55. Which word does NOT belong with the others?

- (a) heading
- (b) body
- (c) letter
- (d) closing

56. Choose the word that is a necessary part of: respiration

- (a) mouth
- (b) circulation
- (c) oxygen
- (d) carbon monoxide

57. Choose the word that is a necessary part of: election

- (a) president
- (b) voter
- (c) November
- (d) nation

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<p>58. Choose the word that is a necessary part of: diploma</p> <p>(a) principal (b) curriculum (c) employment (d) graduation</p> <p>59. Choose the word that is a necessary part of: swimming</p> <p>(a) pool (b) bathing suit (c) water (d) life jacket</p> <p>60. Choose the word that is a necessary part of: school</p> <p>(a) student (b) report card (c) test (d) learning</p> <p>The questions from 61-65 ask you to match definitions to particular situations. For each question, you will be given a definition and four possible answer choices. Read each definition and all four choices carefully, and find the answer that provides the best example of the given definition. Answer each question solely on the basis of the definition given.</p> <p>61. Applying for Seasonal Employment occurs when a person requests to be considered for a job that is dependent on a particular season or time of year. Which situation below is the best example of Applying for Seasonal Employment?</p> <p>(a) The ski instructors at Top of the Peak Ski School work from December through March. (b) Matthew prefers jobs that allow him to work outdoors. (c) Lucinda makes an appointment with the beach resort restaurant manager to interview for the summer waitressing position that was advertised in the newspaper.</p>	<p>(d) Doug's ice cream shop stays open until 11 p.m. during the summer months.</p> <p>62. An Informal Gathering occurs when a group of people get together in a casual, relaxed manner. Which situation below is the best example of an Informal Gathering?</p> <p>(a) The book club meets on the first Thursday evening of every month. (b) After finding out about his promotion, Jeremy and a few coworkers decide to go out for a quick drink after work. (c) Mary sends out 25 invitations for the bridal shower she is giving for her sister. (d) Whenever she eats at the Mexican restaurant, Clara seems to run into Peter.</p> <p>63. The rules of baseball state that a batter Legally Completes His Time at Bat when he is put out or becomes a base runner. Which situation below is the best example of a batter Legally Completing His Time at Bat?</p> <p>(a) Jared's blooper over the head of the shortstop puts him in scoring position. (b) The umpire calls a strike, even though the last pitch was way outside. (c) The pitcher throws his famous knuckleball, Joe swings and misses, and the umpire calls a strike. (d) The count is two balls and two strikes as Mario waits for the next pitch.</p> <p>64. In the Maple Hill school district, a Five-Day Suspension occurs when a student is not permitted to attend school for five days for (1) physically assaulting another student, a teacher, or a school employee or (2) willfully destructing or defacing school property. Which situation below is the best example of a Five-Day Suspension?</p> <p>(a) Lillian gets caught cheating on a math test for the second time and is suspended from school. (b) Marc is asked to leave the classroom due to his constant disruptions. (c) Franny uses spray paint to write derogatory comments on the locker room wall and she is given a suspension.</p>
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<p>(d) Ms. Farmer tells her class that students who fail the midterm exam will be expected to stay after school for tutoring help.</p> <p>65. A Tiebreaker is an additional contest or period of play designed to establish a winner among tied contestants. Which situation below is the best example of a Tiebreaker?</p> <p>(a) At halftime, the score is tied at 28.</p> <p>(b) Mary and Megan have each scored three goals in the game.</p> <p>(c) The referee tosses a coin to decide which team will have possession of the ball first.</p> <p>(d) The Sharks and the Bears each finished with 14 points, and they are now battling it out in a five-minute overtime.</p> <p>Each of the following questions from 66 to 71 contain a short paragraph, and each paragraph presents an argument. Your task is to read the paragraph carefully and determine the main point the author is trying to make. What conclusion can be drawn from the argument? Each paragraph is followed by five statements. One statement supports the author's argument better than the others do. The best way to approach these questions is to first read the paragraph and then restate the author's main argument, or conclusion, in your own words.</p> <p>66. If you're a fitness walker, there is no need for a commute to a health club. Your neighborhood can be your health club. You don't need a lot of fancy equipment to get a good workout either. All you need is a well-designed pair of athletic shoes.</p> <p>This paragraph best supports the statement that</p> <p>(a) fitness walking is a better form of exercise than weight lifting</p> <p>(b) a membership in a health club is a poor investment</p> <p>(c) walking outdoors provides a better workout than walking indoors</p> <p>(d) fitness walking is a convenient and valuable form of exercise</p> <p>67. It is well known that the world urgently needs adequate distribution of food, so that everyone gets enough. Adequate distribution of medicine is just as urgent. Medical expertise and medical supplies need to be redistributed throughout the</p>	<p>world so that people in emerging nations will have proper medical care.</p> <p>This paragraph best supports the statement that</p> <p>(a) the majority of the people in the world have never been seen by a doctor</p> <p>(b) food production in emerging nations has slowed during the past several years</p> <p>(c) most of the world's doctors are selfish about giving time and money to the poor</p> <p>(d) many people who live in emerging nations are not receiving proper medical care</p> <p>68. The criminal justice system needs to change. The system could be more just if it allowed victims the opportunity to confront the person who has harmed them. Also, mediation between victims and their offenders would give the offenders a chance to apologize for the harm they have done.</p> <p>This paragraph best supports the statement that victims of a crime should</p> <p>(a) learn to forgive their offenders</p> <p>(b) have the right to confront their offenders</p> <p>(c) learn the art of mediation</p> <p>(d) insist that their offenders be punished</p> <p>69. In the past, consumers would rarely walk into an ice cream store and order low-fat ice cream. But that isn't the case today. An increasing health consciousness combined with a much bigger selection of tasty low-fat foods in all categories has made low-fat ice cream a very profitable item for ice cream store owners.</p> <p>This paragraph best supports the statement that</p> <p>(a) low-fat ice cream produces more revenue than other low-fat foods</p> <p>(b) ice cream store owners would be better off carrying only low-fat ice cream</p> <p>(c) ice cream store owners no longer think that low-fat ice cream is an unpopular item</p> <p>(d) low-fat ice cream is more popular than other kinds of ice cream</p>
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<p>70. A few states in this country are considering legislation that would prohibit schools from using calculators before the sixth grade. Other states take a different position. Some states are insisting on the purchase of graphing calculators for every student in middle school.</p> <p>This paragraph best supports the statement that in this country</p> <p>(a) there are at least two opinions about the use of calculators in schools</p> <p>(b) calculators are frequently a detriment to learning math</p> <p>(c) state legislators are more involved in education than ever before</p> <p>(d) the price of graphing calculators is less when schools buy in bulk</p> <p>71. One of the warmest winters on record has put consumers in the mood to spend money. Spending is likely to be the strongest in thirteen years. During the month of February, sales of existing single-family homes hit an annual record rate of 4.75 million.</p> <p>This paragraph best supports the statement that</p> <p>(a) consumer spending will be higher thirteen years from now than it is today</p> <p>(b) more people buy houses in the month of February than in any other month</p> <p>(c) during the winter months, the prices of single-family homes are the l</p> <p>(d) warm winter weather is likely to affect the rate of home sales</p> <p>72. The price of a pair of trousers was decreased by 22% to \$30. What was the original price of the trousers?</p> <p>(a) \$37.5</p> <p>(b) \$38.5</p> <p>(c) \$39.5</p> <p>(d) \$40.5</p>	<p>73. The price of an item changed from \$120 to \$100. Then later the price decreased again from \$100 to \$80. Which of the two decreases was larger in percentage term?</p> <p>(a) First</p> <p>(b) Second</p> <p>(c) Both</p> <p>(d) Cannot say</p> <p>74. The price of an item decreased by 20% to \$200. Then later the price decreased again from \$200 to \$150. What is the percent of decrease from the original price to the final price of \$150?</p> <p>(a) 25%</p> <p>(b) 30%</p> <p>(c) 35%</p> <p>(d) 40%</p> <p>75. A number increases from 30 to 40 and then decreases from 40 to 30. Compare the percent of increase from 30 to 40 and that of the decrease from 40 to 30.</p> <p>(a) 33%, 25%</p> <p>(b) 33% , 32%</p> <p>(c) 25%, 32%</p> <p>(d) 25%, 33%</p> <p>76. There are 3 different roads from city A to city B and 2 different roads from city B to city C. In how many ways can someone go from city A to city C passing by city B?</p> <p>(a) 2</p> <p>(b) 3</p> <p>(c) 5</p> <p>(d) 6</p>
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77. A man has 3 different suits, 4 different shirts and 5 different pairs of shoes. In how many different ways can this man wear a suit, a shirt and a pair of shoes?

- (a) 3
- (b) 12
- (c) 35
- (d) 60

78. In a company , ID cards have 5 digit numbers. How many ID cards can be formed if repetition of the digit is allowed?

- (a) 50
- (b) 1000
- (c) 10000
- (d) 100,000

79. In a company , ID cards have 5 digit numbers. How many ID cards can be formed if repetition of the digit is not allowed?

- (a) 10,240
- (b) 20,240
- (c) 30,240
- (d) 40,240

80. In a certain country, licence plate numbers have 3 letters followed by 4 digits. How many different licence plate numbers can be formed? (letters and digits may be repeated).

- (a) 36
- (b) 260
- (c) 175,760,0
- (d) 175,760,000

Model Test Paper 4
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"/>
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"/>
9	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	29	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	49	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	69	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
10	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	30	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	50	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	70	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
11	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	31	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	51	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	71	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
12	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	32	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	52	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	72	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
13	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	33	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	53	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	73	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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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"/>