

Model Test Paper 24  
General Study Paper II

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TEST BOOKLET  
GENERAL STUDIES  
Paper-II

D

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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<p>Rising worldwide demand for champagne has meant that champagne producers have needed to increase supply by creating more wineries and planting more grapes. The Champagne region has been producing sparkling wines since the 16th century from the variety of grapes found across the region. Traditionally served at the coronations of French kings, the drink's association with opulence grew throughout the 19th century. Following on from 1891's Treaty of Madrid, the Treaty of Versailles after World War 1 reaffirmed the Champagne region's legal right for sole usage of the term "champagne". Time-consuming and costly, the Champenoise method of production involves a second fermentation process. However this process has been replicated outside the French region. Champagne's grapes are not unique to the region either – they can be grown elsewhere if their seeds are planted in a virtually identical climate. Currently, bottles that are labelled as using the Champenoise method may cause some consumer confusion as to whether they are real champagne or not. Clear labelling of a sparkling wine's origin on the bottle is needed to tell consumers whether or not it came from Champagne.</p> <p>1. Only sparkling wine from France has the legal right to be labelled as "champagne"</p> <p>(a) True (b) False (c) Cannot say (d)</p> <p>2. The French monopoly on champagne production has led to worldwide shortages of the drink</p> <p>(a) True (b) False (c) Cannot say (d)</p> <p>3. Champagne has built its luxurious connotations over time</p> <p>(a) True (b) False (c) Cannot say (d)</p>	<p>4. The Treaty of Versailles established legal protection for the term champagne"</p> <p>(a) True (b) False (c) Cannot say (d)</p> <p>5. A single type of grape is found across the Champagne regi</p> <p>(a) True (b) False (c) Cannot say (d)</p> <p>Levels of passive surveillance have increased recently. For example, many companies monitor their employees' use of the Internet or of any campaign group activities that may have operational implications. State surveillance now processes huge amounts of information that is collected from a variety of sources to produce profiles of individuals and groups. There are now reportedly more closed-circuit television (CCTV) cameras per head of the UK population than any other country in the world. Such a rapid expansion of CCTV surveillance in particular has raised questions about whether this is economically justifiable, whether one's right to confidentiality is compromised and whether the public are in support of it. In public places it is harder to argue that video surveillance is an invasion of privacy. The sheer presence of CCTV cameras should deter some criminals when they know that police officers are surveying their actions. However, some criminologists claim that criminal activity is simply diverted elsewhere. CCTV footage may offer unbiased court evidence and so contribute towards keeping many criminals off the streets, but footage needs to be stored securely – even if most of what is filmed does not get to be seen</p> <p>6. CCTV surveillance is an invasion of privacy</p> <p>(a) True (b) False (c) Cannot say (d)</p>
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<p>7. Public security, CCTV costs and an individual's right to privacy are three factors raised within the passage</p> <p>(a) True (b) False (c) Cannot say (d)</p> <p>8. It is difficult to justify CCTV surveillance if most of the footage remains unseen</p> <p>(a) True (b) False (c) Cannot say (d)</p> <p>9. The public's main concerns about increases in surveillance have been around CCTV</p> <p>(a) True (b) False (c) Cannot say (d)</p> <p>10. Passive surveillance refers only to company monitoring of Internet usage</p> <p>(a) True (b) False (c) Cannot say (d)</p> <p>11. Anticarp activists have demanded more drastic measures of carp control in the US Supreme Court</p> <p>(a) True (b) False (c) Cannot say (d)</p>	<p>12. Heavy flooding in the 1970s resulted in Asian carp proliferating in the Mississippi and Illinois Rivers</p> <p>(a) True (b) False (c) Cannot say (d)</p> <p>13. Environmentalists believe that Asian carp would damage the Great Lakes' ecosystem by preying on native salmon</p> <p>(a) True (b) False (c) Cannot say (d)</p> <p>As their name suggests, Asian carp are not indigenous to the United States, yet these invasive fish have become the subject of a Supreme Court lawsuit. Introduced in the US in 1831, carp were originally intended for consumption although today they are not widely eaten. Populations have flourished in the Mississippi and Illinois Rivers since the 1970s, when it is thought that they escaped from Midwestern fish farms during heavy flooding. Carp consume only plankton, although vast amounts of it, and some species of Asian carp can grow to over one hundred pounds. Not only are the fish a hazard to recreational boaters, they also compete with native species for food and space. Environmentalists fear that carp will infiltrate the Great Lakes, via locks connecting the Mississippi to Lake Michigan, where they would damage the ecosystem. They also fear that by crowding out species such as salmon, Asian carp would also be detrimental to the Great Lakes' sports fishing industry. The US government currently spends \$80 million per annum on Asian carp control, using methods such as toxins and underwater electric barriers designed to repel carp. Evidence of carp in Lake Michigan however has led anticarp activists to call for stronger measures, such as blocking off the locks on the Chicago canal. Business interests strongly oppose the closure of this major shipping lane for economic reasons, also arguing that forcing canal traffic onto the roads will cause pollution.</p>
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<p>14. Electric barriers are not a fully effective means of carp control</p> <p>(a) True (b) False (c) Cannot say (d)</p> <p>15. Anticarp activists are motivated by environmental concerns rather than business interests</p> <p>(a) True (b) False (c) Cannot say (d)</p> <p>The most prevalent neurological condition in the developed world, migraine is characterised by severe, recurrent headaches, with additional symptoms including nausea and sensitivity to light and sound. The frequency and duration of migraine attacks are variable: attacks may occur a few times a year or several times per month, while pain may last between four hours and three days. Approximately one third of sufferers experience an aura – a perceptual disturbance occurring before the migraine’s onset. There are numerous theories on the cause of migraines. The vascular theory posits that migraines are caused by problems with blood vessels in the brain. A more widely held view is that migraines result from low levels of the neurotransmitter serotonin in the brain. Prophylactic drug treatment, which prevents the onset of migraines, has declined in recent years, because of side effects and also improvements in medications treating an actual attack. Whereas older varieties of pain medication are potentially addictive, newer drugs called triptans work by reducing pain information travelling to the brain. Treatment plans typically include avoidance of known migraine triggers, such as diet, alcohol, and stress, as overuse of medication can lead to chronic “rebound headaches.” Not only do migraines have a debilitating effect on sufferers, they are also bad for the economy, with an estimated 25 million days lost from work every year in the UK alone.</p> <p>16. One third of migraines are preceded by a heightened sensitivity to light</p> <p>(a) True</p>	<p>(b) False (c) Cannot say (d)</p> <p>17. The passage states that it is not possible to work when suffering from a migraine</p> <p>(a) True (b) False (c) Cannot say (d)</p> <p>18. Although the cause of migraines is unknown, serotonin deficiency is the most commonly held theory</p> <p>(a) True (b) False (c) Cannot say (d)</p> <p>19. Triptans are a new form of prophylactic drug which are less addictive than older medications</p> <p>(a) True (b) False (c) Cannot say (d)</p> <p>20. The vascular theory has been discredited</p> <p>(a) True (b) False (c) Cannot say (d)</p> <p>21. If the sum of three consecutive integers is less than 75, what is the greatest possible value of the smallest of the three integers?</p> <p>(a) 21</p>
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<p>(b) 22</p> <p>(c) 23</p> <p>(d) 24</p> <p>22. If <math>2 &lt; x &lt; 4</math> and <math>3 &lt; y &lt; 7</math>, what is the largest integer value of <math>x + y</math>?</p> <p>(a) 8</p> <p>(b) 9</p> <p>(c) 10</p> <p>(d) 11</p> <p>23. If <math>a</math> is the remainder when 999 is divided by 7, and <math>b</math> is the remainder when 777 is divided by 9, what is the remainder when <math>a</math> is divided by <math>b</math>?</p> <p>(a) 0</p> <p>(b) 1</p> <p>(c) 2</p> <p>(d) 3</p> <p>24. How many positive integers less than 100 have a remainder of 3 when divided by 7?</p> <p>(a) 12</p> <p>(b) 13</p> <p>(c) 14</p> <p>(d) 15</p> <p>25. For any positive integer <math>a</math>, let <math>[a]</math> denote the smallest prime factor of <math>a</math>. Which of the following is equal to <math>[35]</math>?</p> <p>(a) <math>[10]</math></p> <p>(b) <math>[15]</math></p> <p>(c) <math>[45]</math></p> <p>(d) <math>[55]</math></p> <p>26. What is the smallest number that is divisible by both 34 and 35?</p> <p>(a) 990</p>	<p>(b) 1090</p> <p>(c) 1190</p> <p>(d) 1290</p> <p>27. If <math>2^x = 32</math>, what is <math>x^2</math>?</p> <p>(a) 9</p> <p>(b) 16</p> <p>(c) 25</p> <p>(d) 36</p> <p>28. If <math>3^a \times 3^b = 3^{100}</math> what is the average (arithmetic mean) of <math>a</math> and <math>b</math>?</p> <p>(a) 40</p> <p>(b) 50</p> <p>(c) 60</p> <p>(d) 70</p> <p>29. Which of the following statements is (are) true?</p> <p>I. <math>-210 &gt; 0</math></p> <p>II. <math>-(-2)10 &gt; 0</math></p> <p>III. <math>210 - (-2)10 &gt; 0</math></p> <p>(a) None</p> <p>(b) I only</p> <p>(c) III only</p> <p>(d) I and III only</p> <p>30. What is the circumference of a circle whose area is <math>10p</math>?</p> <p>a) <math>5p</math></p> <p><input type="checkbox"/></p> <p>(b) <math>10p</math></p> <p><input type="checkbox"/></p> <p>(c) <math>\pi\sqrt{10}</math></p> <p><input type="checkbox"/></p> <p>(d) <math>2\pi\sqrt{10}</math></p> <p>.....</p>
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<p>31. What is the value of <math>5^{1/6} \times 5^{2/6} \times 5^{3/6} \times 5^{4/6}</math></p> <p>(a) 5 (b) 10 (c) 25 (d) 125</p> <p>32. If <math>a = 3(x - 7)</math> and <math>b = 3x - 7</math>, what is the value of <math>a - b</math>?</p> <p>(a) -28 (b) -14 (c) 0 (d) <math>3x - 14</math></p> <p>33. What is the average (arithmetic mean) of <math>3^{10}</math>, <math>3^{20}</math>, and <math>3^{30}</math>?</p> <p>(a) 60 (b) <math>3^{20}</math> (c) <math>3^{30}</math> (d) <math>3^9 + 3^{19} + 3^{29}</math></p> <p>34. Brian gave 20% of his baseball cards to Scott and 15% to Adam. If he still had 520 cards, how many did he have originally?</p> <p>(a) 500 (b) 600 (c) 700 (d) 800</p> <p>35. After Michael gave 110 baseball cards to Sally and 75 to Heidi, he had 315 left. What percent of his cards did Michael give away?</p> <p>(a) 34 (b) 35 (c) 36 (d) 37</p>	<p>36. In 1970 the populations of town A and town B were the same. From 1970 to 1980, however, the population of town A increased by 60% while the population of town B decreased by 60%. In 1980, the population of town B was what percent of the population of town A?</p> <p>(a) 25% (b) 36% (c) 40% (d) 60%</p> <p>37. From 2003 to 2004, the number of applicants to a college increased 15% to 5060. How many applicants were there in 2003?</p> <p>(a) 759 (b) 4301 (c) 4400 (d) 5819</p> <p>38. The population of a town doubled every 10 years from 1960 to 1990. What was the percent increase in population during this time?</p> <p>(a) 600 (b) 700 (c) 800 (d) 900</p> <p>39. If the ratio of boys to girls at a school picnic is 5:3, which of the following CANNOT be the number of children at the picnic?</p> <p>(a) 24 (b) 40 (c) 96 (d) 150</p> <p>40. The measures of the two acute angles of a right triangle are in the ratio of 5:13. What is the measure of the larger acute angle?</p> <p>(a) 30 (b) 45</p>
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(c) 65

(d) 75

Product code	Non-European stores selling product	Current month's sales (\$)	Price per product unit (\$)
DE45*	14	35,000	175
PU20*	9	20,000	200
AE25	6	13,000	130
PU10**	5	24,000	150
FD24**	7	9,000	180

\* Promotional offer = 3 for the price of 2

\*\* Promotional offer = 4 for the price of 3

Product code	European stores selling product	Current month's sales (€)	Price per product unit (€)
DE45	26	21,000	150
PU20	19	30,000	160
AE25	11	24,500	200
PU10	9	18,700	110
FD24	13	14,700	90

41. Which of the products shown had the lowest value of sales per non-European store and which had the highest value of sales per European store?

- (a) PU10 (non-European); AE25 (European)
- (b) FD24 (non-European); DE45 (European)
- (c) FD24 (non-European); AE25 (European)
- (d) AE25 (non-European); PU10 (European)

42. What is the discrepancy (in \$) between the AE25 price per product unit in non-European stores compared to European stores. Use an exchange rate of €0.80 to the \$.

(a) \$30

(b) \$120

(c) \$130

(d) \$200

43. This month's combined target for non-European and European sales of AE25 is €40,000. Using an exchange rate of €0.75 to the \$, what is the difference between the sales values shown and this target?

(a) €575

(b) €750

(c) €5,100

(d) €5,750

44. Combining European and non-European sales, which products generated the highest number of product units sold? Use the non-promotional sales prices shown.

(a) DE45

(b) PU20

(c) AE25

(d) PU10

45. Given that a customer uses the promotional offers shown, put the 5 products sold in non-European stores into order of increasing promotional price per unit (starting with the cheapest).

(a) AE25, PU10, DE45, FD24, PU20

(b) PU10, DE45, PU20, AE25, FD24

(c) PU10, DE45, AE25, PU20, FD24

(d) DE45, PU10, PU20, AE25, FD24

46. PETAL : FLOWER

(a) salt : pepper

(b) tire : bicycle

(c) base : ball

(d) sandals : shoes

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47. BRISTLE : BRUSH

- (a) arm : leg
- (b) stage : curtain
- (c) recline : chair
- (d) key : piano

48. 4 7 26 10 13 20 16

- (a) 14 4
- (b) 14 17
- (c) 18 14
- (d) 19 14

49. 3 8 10 15 17 22 24

- (a) 26 28
- (b) 29 34
- (c) 29 31
- (d) 26 31

50. 17 14 14 11 11 8 8

- (a) 8 5
- (b) 5 2
- (c) 8 2
- (d) 5 5

Number of new mobile phone packages sold  
(over the previous 12 months)

IK-Connections Ltd *****	Platinum package	Gold package	Silver package	Bronze package
Central Region stores	4,540	4,854	5,083	5,425
Northern Region stores	4,725	5,005	5,382	5,846
Southern Region stores	4,584	5,123	5,759	5,428
Western Region stores	4,682	4,759	4,956	4,869
Eastern Region stores	4,884	5,256	4,982	4,592
Cost of package (per month)	£40	£35	£30	£25

51. Which regional store sold the second highest number of new mobile phone contracts for the Platinum and Gold packages combined (over the previous 12 months)?

- (a) Central
- (b) Northern
- (c) Southern
- (d) Eastern



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52. What is the difference in value of the package sales of IK-Connections Ltd's highest and lowest number of new mobile phone contracts sold (over the previous 12 months)?

- (a) £152,000
- (b) £10
- (c) £15
- (d) £2,747

53. What is the difference in average monthly sale values between the most and the least expensive packages?

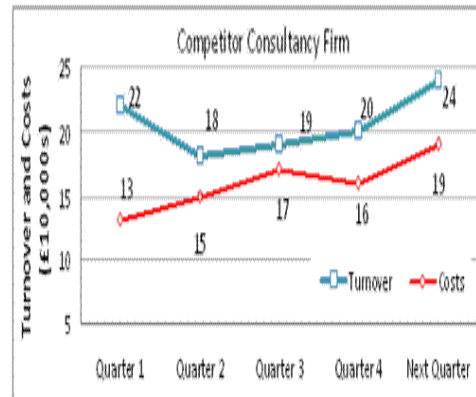
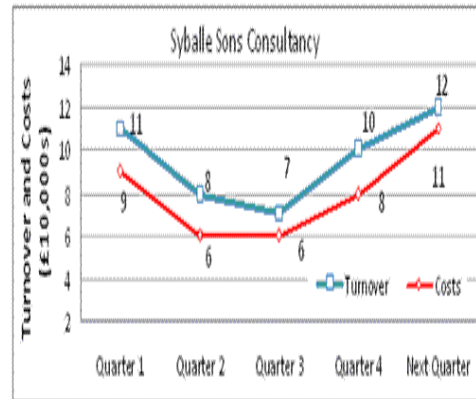
- (a) Can't Tell
- (b) £2,745
- (c) £23,550
- (d) £27,450

54. Assuming the only costs are those of the monthly package, what is the annual cost saving for a customer who switches from the Gold to the Bronze package?

- (a) £10
- (b) £50
- (c) £75
- (d) £120

55. Over the next twelve months the number of Bronze package sales increase by 12.5% and by 25% for the Eastern and Southern regional stores respectively, whilst annual sales for the other regional stores remain the same. What are the total Bronze package sales for the next twelve months for all IK-Connections stores?

- (a) 28,091
- (b) 28,951
- (c) 30,091
- (d) 31,951



56. What is the average turnover for Syballe Sons compared to the Competitor Consultancy Firm across Quarters 1-4?

- (a) £90,000 Syballe Sons; £197,500 Competitor Consultancy Firm
- (b) £72,500 Syballe Sons; £200,000 Competitor Consultancy Firm
- (c) £90,000 Syballe Sons; £25,750 Competitor Consultancy Firm
- (d) £9,000 Syballe Sons; £19,500 Competitor Consultancy Firm

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57. Between which two quarters was there the same % change in turnover for both Syballe Sons and the Competitor Consultancy Firm?

- (a) Quarter 1 – Quarter 2
- (b) Quarter 2 – Quarter 3
- (c) Quarter 3 – Quarter 4
- (d) Quarter 4 – Next Quarter

58. If Syballe Sons's costs and turnover increase by the same absolute amounts as between Quarter 4 – Next Quarter then what will the difference be between turnover and costs three months after the Next Quarter?

- (a) No difference
- (b) £1,500
- (c) £1,000
- (d) £500

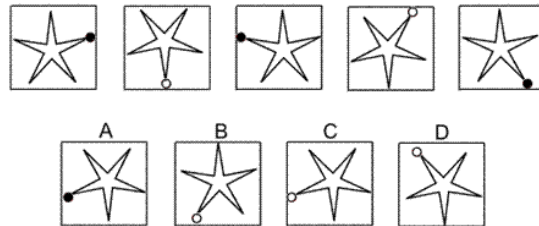
59. In the Next Quarter a new competitor enters the market and takes  $\frac{1}{10}$ th of Syballe Sons turnover, as well as  $\frac{1}{8}$ th of the Competitor Consultancy's turnover. What is the average monthly turnover for this new competitor in the Next Quarter?

- (a) £14,000
- (b) £16,000
- (c) £42,000
- (d) £168,000

60. If Gross Profit = Turnover minus Costs, what was the absolute difference in the Gross Profit between Syballe Sons and the Competitor Consultancy Firm for Quarters 1-4 inclusive?

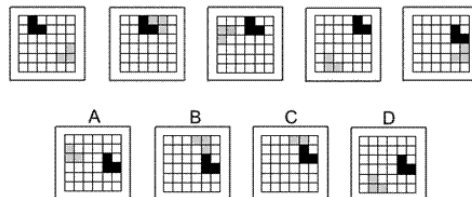
- (a) Can't Tell
- (b) £110,000
- (c) £150,000
- (d) £47,000

61.



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

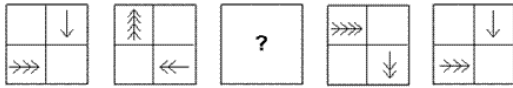
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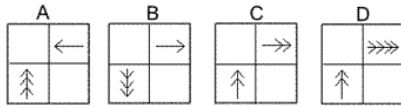
- (a) A
- (b) B
- (c) C
- (d) D

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63.

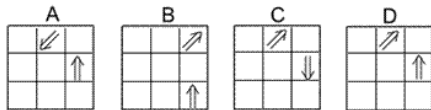


Which of the following replaces the question mark in the sequence?



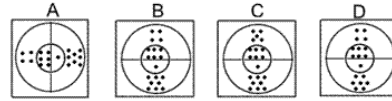
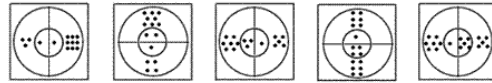
- (a) A
- (b) B
- (c) C
- (d) D

64.



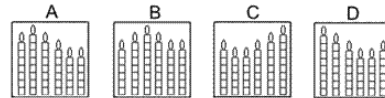
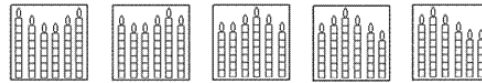
- (a) A
- (b) B
- (c)
- (d) D

65.



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

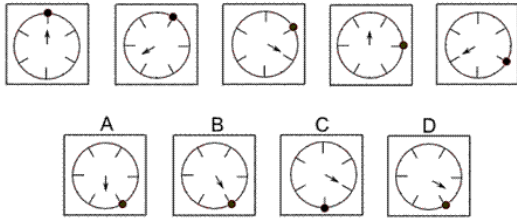
66.



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

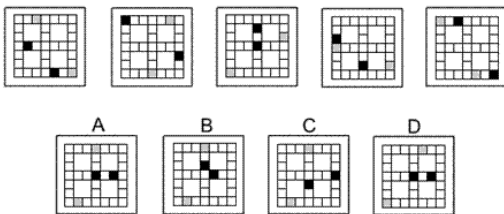
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67.



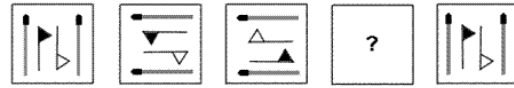
- (a) A
- (b) B
- (c) C
- (d) D

68.

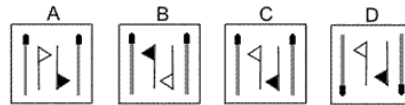


- (a) A
- (b) B
- (c) C
- (d) D

69.

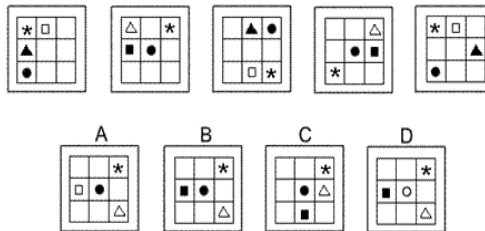


Which of the following replaces the question mark in the sequence?



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

70.



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

**Model Test Paper 24**  
**General Study Paper II**

<p>The logic problems 71 - 73 present you with three true statements: Fact 1, Fact 2, and Fact 3. Then, you are given three more statements (labeled I, II, and III), and you must determine which of these, if any, is also a fact. One or two of the statements could be true; all of the statements could be true; or none of the statements could be true. Choose your answer based solely on the information given in the first three facts.</p> <p>Answer questions 71 through 73 on the basis of the information below.</p> <p>A cinema complex with six movie theaters never shows the same movie in more than one theater. None of the theaters is the same size as any other, with number 1 being the largest and going in order to number 6, the smallest. The theater also has the following rules:</p> <p>It will never show more than two R-rated movies at once. It will always show at least one G-rated movie and one PG-rated movie in the two middlesized theaters (theaters 3 and 4). It will never show more than one foreign film at a time and never in the biggest theater. The starting times of movies will be staggered by fifteen minutes and will always be on the quarter hour. Employees need twenty minutes between showings to clean the theaters. The cinema has the following films to choose from this particular week: Shout, rated R Que Pasa, a Spanish film rated PG Abra Cadabra, rated G Lessons, rated R Jealousy, rated PG Mist, a Swedish film rated R Trek, rated NC-17 Fly, rated G</p> <p>71. Which one of the following is an acceptable listing of films to show this week?</p> <p>(a) Shout, Mist, Trek, Que Pasa, Fly, and Jealousy (b) Shout, Mist, Trek, Fly, Jealousy, and Abra Cadabra (c) Que Pasa, Lessons, Mist, Shout, Abra Cadabra, and Trek (d) Shout, Lessons, Mist, Trek, Fly, and Jealousy</p> <p>72. If Shout starts at 8:30, Mist at 8:15, Trek at 8:00, Fly at 7:45, Jealousy at 7:30, and Abra Cadabra at 7:15, and each movie is exactly two hours long, at what time will the next showing of</p>	<p>Trek start?</p> <p>(a) 10:00 (b) 10:15 (c) 10:30 (d) 10:45</p> <p>73. The movies this week are showing in the following theaters:</p> <p>Theater 1: Shout Theater 2: Trek Theater 3: Abra Cadabra Theater 4: Jealousy Theater 5: Fly Theater 6: Mist</p> <p>Shout is doing the most business, followed by Trek and, to the management's surprise, Mist. The management wants to move Mist to a larger theater. Which theater is the most logical?</p> <p>(a) theater 1 (b) theater 2 (c) theater 3 (d) theater 5</p> <p>74. The probability of having a girl is identical to the probability of having a boy. In a family with three children, what is the probability that all the children are of the same gender?</p> <p>(a) 1/8 (b) 1/6 (c) 1/3 (d) 1/4</p> <p>75. A buyer buys 3 different items out of the newly introduced 10 different items. If two items were to be selected at random, what is the probability that the buyer does not have both the chosen items?</p> <p>(a) 1/15 (b) 3/15 (c) 7/15 (d) 9/16</p>
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<p>76. A community of 3 people is to be selected from 5 married couples, such that the community does not include two people who are married to each other. How many such communities are possible?</p> <p>(a) 40 (b) 60 (c) 70 (d) 80</p> <p>77. There are three secretaries who work for four departments. If each of the four departments has one report to be typed out, and the reports are randomly assigned to a secretary, what is the probability that all three secretaries are assigned at least one report?</p> <p>(a) <math>\frac{5}{9}</math> (b) <math>\frac{2}{3}</math> (c) <math>\frac{7}{9}</math> (d) <math>\frac{8}{9}</math></p> <p>78. Jar A and jar B each contain 70 marbles, all of which are red, white, or blue. In jar A, R:W = 2:3 and W:B = 3:5. In jar B, R:W = 2:3 and W:B = 4:5.</p> <p>(a) 21 (b) 24 (c) 45 (d) 55</p> <p>79. If a apples cost c cents, how many apples can be bought for d dollars?</p> <p>(a) <math>100acd</math> (b) <math>100d/ac</math> (c) <math>ad/100c</math> (d) <math>100ad/c</math></p>	<p>80. If p is inversely proportional to <math>q^2</math>, and if <math>q = 2</math> when <math>p = 6</math>, what is the value of p when <math>q = 6</math>?</p> <p>(a) 1 (b) <math>\frac{1}{3}</math> (c) <math>\frac{2}{3}</math> (d) 3</p>
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Answer Sheet

	A	B	C	D		A	B	C	D		A	B	C	D		A	B	C	D
1	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	21	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	41	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	61	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	22	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	42	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	62	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	23	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	43	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	63	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	24	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	44	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	64	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	25	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	45	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	65	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	26	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	46	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	66	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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"/>
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16	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	36	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	56	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	76	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
17	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	37	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	57	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	77	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
18	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	38	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	58	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	78	<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"/>