

Model Test Paper 54
General Study Paper II

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TEST BOOKLET
GENERAL STUDIES
Paper-II

B

Time Allowed : Two Hours

Maximum Marks : 200

INSTRUCTIONS

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

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<p>According to Greek mythology, Atlas was a Titan of enormous strength. After being defeated by the god Zeus, Atlas was forced to carry the earth and the sky for an eternity. In depictions of Atlas, he is shown as a stooped figure carrying the globe on his shoulders. Because of his association with the globe, maps began to be decorated with this image of Atlas. Accordingly, the word “atlas” became a nickname for a collection of maps. Today, an atlas refers to any book that consists of a bound collection of maps. For example, an atlas can be made up of maps of the countries of the world or of the states of the United States. Sometimes an atlas will also contain graphs and charts with other statistical information about the culture, religion, climate, or government of the population of a given area.</p> <p>1. Based on information in the passage, it can be inferred that Atlas supported the earth and the sky because he was</p> <p>(a) a Titan of enormous strength (b) punished after losing to Zeus (c) associated with maps and globes (d) a slave to the god Zeus</p> <p>2. Based on information in the passage, it can be inferred that which of the following people or groups might use an atlas?</p> <p>I. a group of explorers on the Nile River II. a backpacker planning a tour of Europe III. army generals preparing for battle</p> <p>(a) I only (b) I and II only (c) II and III only (d) I, II, and III</p> <p>3. Conjunctions (or conjunctive phrases) are used to indicate or emphasize the existence of a relationship between ideas. As used in the passage, which of the following conjunctions could be used in place of the conjunction Accordingly?</p> <p>I. Although II. As a result III. Consequently</p> <p>(a) I only (b) I and II only</p>	<p>(c) II and III only (d) I, II, and III</p> <p>4. Based on the information in the passage, it can be inferred that the additional charts and graphs in an atlas could include information about</p> <p>I. major languages II. average temperatures III. historical events</p> <p>(a) I only (b) I and II only (c) II and III only (d) I, II, and III</p> <p>In the early 1920's, settlers came to Alaska looking for gold. They traveled by boat to the coastal towns of Seward and Knik, and from there by land into the gold fields. The trail they used to travel inland is known today as the Iditarod Trail, one of the National Historic Trails designated by the Congress of the United States. The Iditarod Trail quickly became a major thoroughfare in Alaska, as the mail and supplies were carried across this trail. People also used it to get from place to place, including the priests, ministers, and judges who had to travel between villages. In the winter, the settlers' only means of travel down this trail was via dog sled.</p> <p>Once the gold rush ended, many gold-seekers went back to where they had come from, and suddenly there was much less travel on the Iditarod Trail. The introduction of the airplane in the late 1920's meant dog teams were no longer the standard mode of transportation, and of course with the airplane carrying the mail and supplies, there was less need for land travel in general. The final blow to the use of the dog teams was the appearance of snowmobiles.</p> <p>By the mid 1960's, most Alaskans didn't even know the Iditarod Trail existed, or that dog teams had played a crucial role in Alaska's early settlements. Dorothy G. Page, a self-made historian, recognized how few people knew about the former use of sled dogs as working animals and about the Iditarod Trail's role in Alaska's colorful history. To raise awareness about this aspect of Alaskan history, she came up with the idea to have a dog sled race over the Iditarod Trail. She presented her idea to an enthusiastic musher, as dog sled drivers are known, named Joe Redington, Sr. Soon the Pages and the Redingtons were working together to promote the idea of the Iditarod race.</p>
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<p>Many people worked to make the first Iditarod Trail Sled Dog Race a reality in 1967. The Aurora Dog Musher's Club, along with men from the Adult Camp in Sutton, helped clear years of overgrowth from the first nine miles of the Iditarod Trail. To raise interest in the race, a \$25,000 purse was offered, with Joe Redington donating one acre of his land to help raise the funds. The short race, approximately 27 miles long, was put on a second time in 1969.</p> <p>After these first two successful races, the goal was to lengthen the race a little further to the ghost town of Iditarod by 1973. However in 1972, the U.S. Army reopened the trail as a winter exercise, and so in 1973, the decision was made to take the race all the way to the city of Nome—over 1,000 miles. There were many who believed it could not be done and that it was crazy to send a bunch of mushers out into the vast, uninhabited Alaskan wilderness. But the race went! 22 mushers finished that year, and to date over 400 people have completed it.</p> <p>5. The primary purpose of this passage is to</p> <p>(a) recount the history of the Iditarod trail and the race that memorializes it</p> <p>(b) describe the obstacles involved in founding the Iditarod race</p> <p>(c) outline the circumstances that led to the establishment of the Iditarod Trail</p> <p>(d) reestablish the important place of the Iditarod Trail in Alaska's history</p> <p>6. Based on information in the passage, it can be inferred that all of the following contributed to the disuse of the Iditarod Trail except</p> <p>(a) more modern forms of transportation</p> <p>(b) depleted gold mines</p> <p>(c) highway routes to ghost towns</p> <p>(d) reduced demand for land travel</p> <p>7. As used in paragraph 2, which is the best definition for mode?</p> <p>(a) formula</p> <p>(b) way</p> <p>(c) preference</p>	<p>(d) option</p> <p>8. According to the passage, the initial Iditarod race</p> <p>(a) was funded through the sale of musher entrance fees</p> <p>(b) was founded by an advocate for Alaskan history</p> <p>(c) ended at the ghost town of Iditarod</p> <p>(d) boasted a total of 400 entrants</p> <p>9. As used in paragraph 3, the phrase "self-made historian" implies that Dorothy G. Page</p> <p>(a) was employed by the state to keep its dog sled history alive</p> <p>(b) was determined to honor the glories of the gold rush in spite of her questionable credentials</p> <p>(c) had pursued the study of Alaska's history out of her own interest</p> <p>(d) had personally educated others about Alaska's history</p> <p>10. In 1925, when a diphtheria outbreak threatened the lives of people in the remote town of Nome, the government used the Iditarod Trail to transport medicine nearly 700 miles to the town. If the author chose to include this fact in the passage, it would best fit in</p> <p>(a) paragraph 1</p> <p>(b) paragraph 2</p> <p>(c) paragraph 3</p> <p>(d) paragraph 4</p> <p>11. Based on information in the passage, it can be inferred that because the U.S. Army reopened the Iditarod Trail in 1972,</p> <p>(a) more people could compete in the Iditarod race</p> <p>(b) the mushers had to get permission from the U.S. Army to hold the race</p> <p>(c) the trail was cleared all the way to Nome</p>
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<p>(d) the Iditarod race became a seasonal Army competition</p> <p>The first person in the group starts off by naming anything that is geographical. It could be a city, state, country, river, lake, or any proper geographical term. For example, the person might say, "Boston." The second person has 10 seconds to think of how the word ends and come up with another geographical term starting with that letter. The second participant might say, "Norway," because the geographical term has to start with "N." The third person would have to choose a word beginning with "Y." If a player fails to think of a correct answer within the time limit, that player is out of the game. The last person to survive is the champion.</p> <p>12. This game may help you with...</p> <p>(a) History (b) Music (c) Geography (d) Sports</p> <p>13. The person trying to answer needs...</p> <p>(a) No time limit (b) To know geography only (c) To ignore the last letters of words (d) To know something about spelling and geography</p> <p>14. Before you choose your own word, think about how...</p> <p>(a) The last word starts (b) The last word ends (c) Smart you are (d) Long the last word is</p> <p>15. The answer must be...</p> <p>(a) In New York (b) Within the United States (c) A proper geographical term</p>	<p>(d) In the same region</p> <p>The Richter Magnitude Scale is a method of assigning a single number to quantify the energy released during an earthquake. The magnitude is defined as the logarithm of the ratio of wave's amplitude, measured through a seismograph. Therefore, an earthquake that measures 5.0 of the Richter scale has a shaking amplitude of 10 times that of an earthquake measuring 4.0. Since the middle of the 20th century, the Richter Scale has been mostly superseded by the Moment Magnitude Scale, the Richter Scale is still used in Russia and some other former Soviet Union states.</p> <p>16. Which one of the following best replaces "method" while maintaining the meaning of the sentence?</p> <p>(a) Measurement (b) Scale (c) Approach (d) Process</p> <p>17. Which one of the following best replaces "superseded" while maintaining the meaning of the sentence?</p> <p>(a) Supplanted (b) Transferred (c) Removed (d) Usurped</p> <p>The Handicap principle is an evolutionary hypothesis proposed in 1975 by Amotz Zahavi, explaining how animals may evolve handicapped signals which put the animal at a disadvantage, in order to express biological fitness. The best example of this is the plumage of Peacocks. although the plumage of the peacock may make the Peacock seem vulnerable to predators, the handicap principle suggests it is a method of signalling their biological fitness to Peahens by surviving this long, despite the disadvantage of a large plumage. Although initially this hypothesis was criticised, it has since gained widespread acceptance by the scientific community.</p> <p>18. Which one of the following best replaces "proposed" while maintaining the meaning of the sentence?</p> <p>(a) Suggested</p>
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<p>(b) Commended</p> <p>(c) Highlight</p> <p>(d) Requested</p> <p>19. Which one of the following best replaces "vulnerable" while maintaining the meaning of the sentence?</p> <p>(a) Liable</p> <p>(b) Predisposition</p> <p>(c) Susceptible</p> <p>(d) Weak</p> <p>The United States Bullion Depository, often referred to as "Fort Knox" is a fortified vault building located next to Fort Knox in Kentucky, which houses a large proportion of the United States gold reserves, among other precious items belonging to the federal government. The United States Bullion Depository holds 4,578 metric tons of gold bullion, which is approximately 3% of all the gold ever refined in human history. Despite this huge volume of gold held at the United States Bullion Depository, the Federal Reserve Bank holds 7000 metric tons of gold bullion, putting the United States bullion depository in second place for the largest gold reserves in the USA.</p> <p>20. Which one of the following best replaces "proportion" while maintaining the meaning of the sentence?</p> <p>(a) Volume</p> <p>(b) Percentage</p> <p>(c) Amount</p> <p>(d) Degree</p> <p>21. Which one of the following best replaces "approximatley" while maintaining the meaning of the sentence?</p> <p>(a) Relatively</p> <p>(b) Comparably</p> <p>(c) Roughly</p> <p>(d) Precisely</p>	<p>The Beast of Bodmin, also known as the beast of Bodmin Moor is a phantom wild cat believed to live in Cornwall, UK. The Beast of Bodmin became the centre of numerous sightings, with occasional reports of attacked livestock. The beast is supposedly a panther-like cat or even a whole species of cat purported to be living in the Bodmin Moor area. In general however, scientists reject the claims due to the larger numbers of big cats required to maintain a stable breeding population. Never the less, for many years the Beast of Bodmin remained a popular topic of local folklore, with occasional mention in national newspapers.</p> <p>22. Which one of the following best replaces "supposedly" while maintaining the meaning of the sentence?</p> <p>(a) Evidently</p> <p>(b) Plainly</p> <p>(c) Purportedly</p> <p>(d) Questionably</p> <p>23. Which one of the following best replaces "maintain" while maintaining the meaning of the sentence?</p> <p>(a) Confirm</p> <p>(b) Supports</p> <p>(c) Verify</p> <p>(d) Sustain</p> <p>24. Select the one which is different from the other three</p> <p>(a) Star</p> <p>(b) Sun</p> <p>(c) Sky</p> <p>(d) Moon</p> <p>25. Find the missing number?</p> <p>312, 312, 156, ?, 13</p> <p>(a) 26</p> <p>(b) 123</p>
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<p>(c) 39 (d) 52 26. Find the missing number? 2, 12, 60, 240, ?</p> <p>(a) 380 (b) 720 (c) 480 (d) 540</p> <p>27. Books do not make much profit per sale. Sometimes, massive sales of books make a lot of profit. Thomas is a well-known author. Which of the following is true?</p> <p>(a) Thomas is likely unprofitable as an author (b) Thomas is a profitable author (c) Thomas is likely to be a profitable author (d) None of the above answers</p> <p>28. Only the strong will be victorious. All hardheaded people are strong. Thomas is hardheaded. Which of the following is true?</p> <p>(a) Thomas could be victorious (b) Thomas is not hardheaded (c) Thomas will not be victorious (d) Thomas will be victorious</p> <p>29. All thoroughbred horses are expensive to keep. Any purchase of an expensive animal leads either to poverty or family breakups. Paula forced her husband to buy her thoroughbred stallion. They remained happily married for the rest of their lives. Which of the following is true?</p> <p>(a) Paula and her husband are wealthy after a divorced period. (b) Paula and her husband fought about money most of their marriage (c) Paula and her husband nearly got divorced (d) Paula and her husband live in poverty</p>	<p>30. English majors read more books than anthropology majors. Computer science majors read fewer books than biology majors. Biology majors read fewer books than English majors. Which of the following is true?</p> <p>(a) Computer science majors read more than anthropology majors (b) Anthropology majors read more than computer science majors (c) Anthropology majors read more than biology majors (d) None of the above answers</p> <p>31. Chemistry is more difficult than political science. Political science is easier than Physics. Physics is more difficult than Biology. Which of the following is true?</p> <p>(a) Chemistry is easier than physics (b) Biology is more difficult than political science (c) Chemistry is more difficult than physics (d) None of the above answers</p> <p>32. More bankers eat pork chops than do accountants. All accountants drink twice as much water as do engineers. Mary is a banker. Which of the following is true?</p> <p>(a) Mary drinks more water than her engineer friend Rebecca (b) Mary likely eats more pork chops and drinks more water than any of her engineer friends (c) Mary eats many pork chops (d) None of the above answers</p> <p>33. Middletown is north of Centerville Centerville is east of Penfield Penfield is northwest of Middletown</p> <p>If the first two statements are true, the third statement is</p> <p>(a) true (b) false (c) uncertain (d)</p>
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<p>34. All spotted Gangles have long tails Short-haired Gangles always have short tails Long-tailed Gangles never have short hair</p> <p>If the first two statements are true, the third statement is</p> <p>(a) true (b) false (c) uncertain (d)</p> <p>35. All Lamels are Signots with buttons No yellow Signots have buttons No Lamels are yellow</p> <p>If the first two statements are true, the third statement is</p> <p>(a) true (b) false (c) uncertain (d)</p> <p>36. The hotel is two blocks east of the drugstore The market is one block west of the hotel The drugstore is west of the market</p> <p>If the first two statements are true, the third statement is</p> <p>(a) true (b) false (c) uncertain (d)</p> <p>37. A toothpick is useful Useful things are valuable A toothpick is valuable</p> <p>If the first two statements are true, the third statement is</p> <p>(a) true (b) false (c) uncertain (d)</p>	<p>38. Tom puts on his socks before he puts on his shoes He puts on his shirt before he puts on his jacket Tom puts on his shoes before he puts on his shirt</p> <p>If the first two statements are true, the third statement is</p> <p>(a) true (b) false (c) uncertain (d)</p> <p>39. Three pencils cost the same as two erasers Four erasers cost the same as one ruler Pencils are more expensive than rulers</p> <p>If the first two statements are true, the third statement is</p> <p>(a) true (b) false (c) uncertain (d)</p> <p>40. Taking the train across town is quicker than taking the bus Taking the bus across town is slower than driving a car Taking the train across town is quicker than driving a car</p> <p>If the first two statements are true, the third statement is</p> <p>(a) true (b) false (c) uncertain (d)</p> <p>41. Cloudy days tend to be more windy than sunny days Foggy days tend to be less windy than cloudy days Sunny days tend to be less windy than foggy days</p> <p>If the first two statements are true, the third statement is</p> <p>(a) true</p>
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<p>(b) false</p> <p>(c) uncertain</p> <p>(d)</p> <p>42. At a parking lot, a sedan is parked to the right of a pickup and to the left of a sport utility vehicle. A minivan is parked to the left of the pickup. The minivan is parked between the pickup and the sedan.</p> <p>If the first two statements are true, the third statement is</p> <p>(a) true</p> <p>(b) false</p> <p>(c) uncertain</p> <p>(d)</p> <p>43. A bag contains 4 white, 5 red and 6 blue balls. Three balls are drawn at random from the bag. The probability that all of them are red, is</p> <p>(a) $\frac{1}{22}$</p> <p>(b) $\frac{3}{22}$</p> <p>(c) $\frac{2}{91}$</p> <p>(d) $\frac{2}{77}$</p> <p>44. Two cards are drawn together from a pack of 52 cards. The probability that one is a spade and one is a heart, is</p> <p>(a) $\frac{3}{20}$</p> <p>(b) $\frac{29}{34}$</p> <p>(c) $\frac{47}{100}$</p> <p>(d) $\frac{13}{102}$</p> <p>45. A motorboat, whose speed in 15 km/hr in still water goes 30 km downstream and comes back in a total of 4 hours 30 minutes. The speed of the stream (in km/hr) is</p> <p>(a) 4</p> <p>(b) 5</p> <p>(c) 6</p>	<p>(d) 10</p> <p>46. 39 persons can repair a road in 12 days, working 5 hours a day. In how many days will 30 persons, working 6 hours a day, complete the work?</p> <p>(a) 10</p> <p>(b) 13</p> <p>(c) 14</p> <p>(d) 15</p> <p>47. Look carefully for the pattern, and then choose which pair of numbers comes next</p> <p>21 25 18 29 33 18</p> <p>(a) 43 18</p> <p>(b) 41 44</p> <p>(c) 37 18</p> <p>(d) 37 41</p> <p>48. Look carefully for the pattern, and then choose which pair of numbers comes next</p> <p>75 65 85 55 45 85 35</p> <p>(a) 25 15</p> <p>(b) 25 85</p> <p>(c) 35 25</p> <p>(d) 85 35</p> <p>49. Mathematics allows us to expand our consciousness. Mathematics tells us about economic trends, patterns of disease, and the growth of populations. Math is good at exposing the truth, but it can also perpetuate misunderstandings and untruths. Figures have the power to mislead people.</p> <p>This paragraph best supports the statement that</p> <p>(a) the study of mathematics is dangerous</p> <p>(b) words are more truthful than figures</p> <p>(c) the study of mathematics is more important than other disciplines</p>
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<p>(d) figures are sometimes used to deceive people</p> <p>50. In the 1966 Supreme Court decision <i>Miranda v. Arizona</i>, the court held that before the police can obtain statements from a person subjected to an interrogation, the person must be given a Miranda warning. This warning means that a person must be told that he or she has the right to remain silent during the police interrogation. Violation of this right means that any statement that the person makes is not admissible in a court hearing.</p> <p>This paragraph best supports the statement that</p> <p>(a) police who do not warn persons of their Miranda rights are guilty of a crime</p> <p>(b) a Miranda warning must be given before a police interrogation can begin</p> <p>(c) the police may no longer interrogate persons suspected of a crime unless a lawyer is present</p> <p>(d) the 1966 Supreme Court decision in <i>Miranda</i> should be reversed</p> <p>51. During colonial times in America, juries were encouraged to ask questions of the parties in the courtroom. The jurors were, in fact, expected to investigate the facts of the case themselves. If jurors conducted an investigation today, we would throw out the case.</p> <p>This paragraph best supports the statement that</p> <p>(a) juries are less important today than they were in colonial times</p> <p>(b) jurors today are less interested in court cases than they were in colonial times</p> <p>(c) courtrooms today are more efficient than they were in colonial times</p> <p>(d) the jury system in America has changed since colonial times</p> <p>52. There are no effective boundaries when it comes to pollutants. Studies have shown that toxic insecticides that have been banned in many countries are riding the wind from countries where they remain legal. Compounds such as DDT and toxaphene have been found in remote places like the Yukon and other Arctic regions.</p> <p>This paragraph best supports the statement that</p> <p>(a) toxic insecticides such as DDT have not been banned throughout the world</p>	<p>(b) more pollutants find their way into polar climates than they do into warmer areas</p> <p>(c) studies have proven that many countries have ignored their own antipollution laws</p> <p>(d) DDT and toxaphene are the two most toxic insecticides in the world</p> <p>53. The Fourth Amendment to the Constitution protects citizens against unreasonable searches and seizures. No search of a person's home or personal effects may be conducted without a written search warrant issued on probable cause. This means that a neutral judge must approve the factual basis justifying a search before it can be conducted.</p> <p>This paragraph best supports the statement that the police cannot search a person's home or private papers unless they have</p> <p>(a) legal authorization</p> <p>(b) direct evidence of a crime</p> <p>(c) read the person his or her constitutional rights</p> <p>(d) a reasonable belief that a crime has occurred</p> <p>54. Statement: The Government run company had asked its employees to declare their income and assets but it has been strongly resisted by employees union and no employee is going to declare his income</p> <p>Conclusions:</p> <p>1. The employees of this company do not seem to have any additional undisclosed income besides their salary</p> <p>2. The employees union wants all senior officers to declare their income first</p> <p>(a) Only conclusion I follows</p> <p>(b) Only conclusion II follows</p> <p>(c) Either I or II follows</p> <p>(d) Neither I nor II follows</p> <p>55. Statement: Should India encourage exports, when most things are insufficient for internal use itself?</p> <p>Arguments:</p> <p>1. Yes. We have to earn foreign exchange to pay for our imports</p>
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2. No. Even selective encouragement would lead to shortages

- (a) Only argument I is strong
- (b) Only argument II is strong
- (c) Either I or II is strong
- (d) Neither I nor II is strong

56. Statement: Should all the drugs patented and manufactured in Western countries be first tried out on sample basis before giving licence for sale to general public in India?

Arguments:

- 1. Yes. Many such drugs require different doses and duration for Indian population and hence it is necessary
- 2. No. This is just not feasible and hence cannot be implemented

- (a) Only argument I is strong
- (b) Only argument II is strong
- (c) Either I or II is strong
- (d) Neither I nor II is strong

Study the following table and answer the questions

Classification of 100 Students Based on the Marks Obtained by them in Physics and Chemistry in an Examination.

Subject	Marks out of 50				
	40 and above	30 and above	20 and above	10 and above	0 and above
Physics	9	32	80	92	100
Chemistry	4	21	66	81	100
Average (Aggregate)	7	27	73	87	100

57. What is the different between the number of students passed with 30 as cut-off marks in Chemistry and those passed with 30 as cut-off marks in aggregate?

- (a) 3
- (b) 4
- (c) 5
- (d) 6

58. If at least 60% marks in Physics are required for pursuing higher studies in Physics, how many students will be eligible to pursue higher studies in Physics?

- (a) 27
- (b) 32
- (c) 34
- (d) 41

59. The percentage of number of students getting at least 60% marks in Chemistry over those getting at least 40% marks in aggregate, is approximately?

- (a) 21%
- (b) 27%
- (c) 29%
- (d) 31%

60. The number of students scoring less than 40% marks in aggregate is?

- (a) 13
- (b) 19
- (c) 20
- (d) 27

61. If it is known that at least 23 students were eligible for a Symposium on Chemistry, then the minimum qualifying marks in Chemistry for eligibility to Symposium would lie in the range?

- (a) 40-45
- (b) 30-40

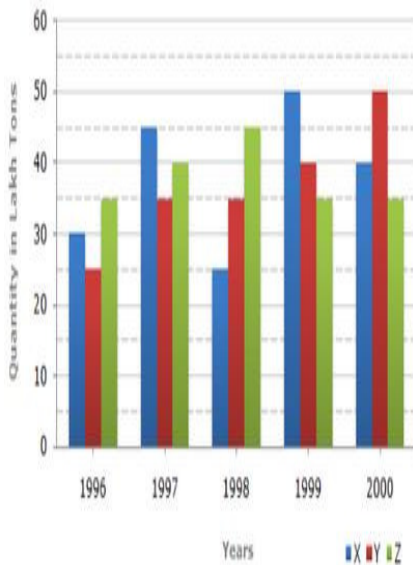
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(c) 20:30

(d) Below 20

The bar graph given below shows the data of the production of paper (in lakh tonnes = One Lakh is equal to One Hundred Thousand (100,000)) by three different companies X, Y and Z over the years

Production of Paper (in lakh tonnes) by Three Companies X, Y and Z over the Years.



62. For which of the following years, the percentage rise/fall in production from the previous year is the maximum for Company Y?

(a) 1997

(b) 1998

(c) 1999

(d) 2000

63. What is the ratio of the average production of Company X in the period 1998-2000 to the average production of Company Y in the same period?

(a) 1:1

(b) 15:17

(c) 23:25

(d) 27:29

64. The average production for five years was maximum for which company?

(a) X

(b) Y

(c) Z

(d) X and Z both

65. In which year was the percentage of production of Company Z to the production of Company Y the maximum?

(a) 1996

(b) 1997

(c) 1998

(d) 1999

66. What is the percentage increase in the production of Company Y from 1996 to 1999?

(a) 30%

(b) 45%

(c) 50%

(d) 60%

67. What is the difference between the production of Company Z in 1998 and Company Y in 1996?

(a) 2,00,000 tons

(b) 20,00,000 tons

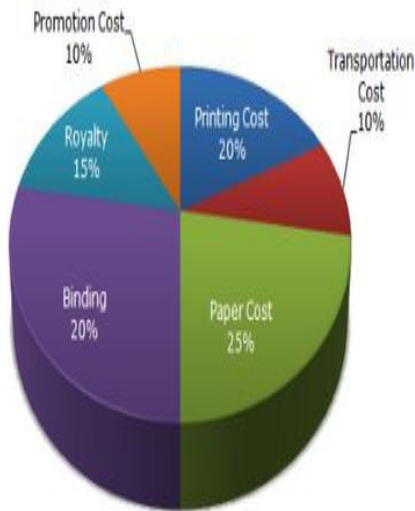
(c) 20,000 tons

(d) 2,00,00,000 tons

Model Test Paper 54
General Study Paper II

The following pie-chart shows the percentage distribution of the expenditure incurred in publishing a book. Study the pie-chart and the answer the questions based on it

Various Expenditures (in percentage) Incurred in Publishing a Book



68. If the difference between the two expenditures are represented by 18° in the pie-chart, then these expenditures possibly are

- (a) Binding Cost and Promotion Cost
- (b) Paper Cost and Royalty
- (c) Binding Cost and Printing Cost
- (d) Paper Cost and Printing Cost

69. For an edition of 12,500 copies, the amount of Royalty paid by the publisher is Rs. 2,81,250. What should be the selling price of the book if the publisher desires a profit of 5%?

- (a) Rs. 152.50
- (b) Rs. 157.50
- (c) Rs. 162.50
- (d) Rs. 167.50

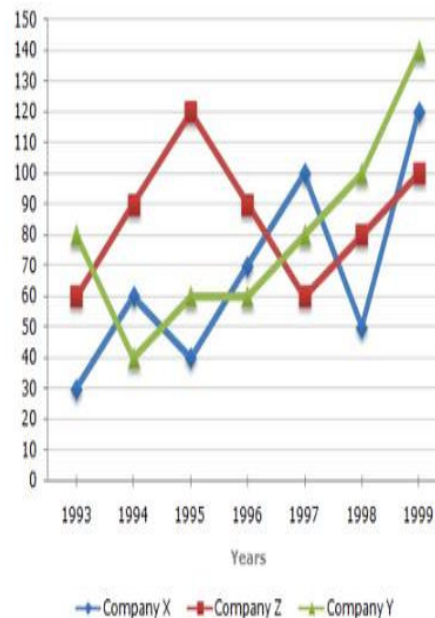
70. If for an edition of the book, the cost of paper is Rs. 56250, then find the promotion cost for this edition

- (a) Rs. 20,000
- (b) Rs. 22,500
- (c) Rs. 25,500
- (d) Rs. 28,125

71. Which two expenditures together have central angle of 108° ?

- (a) Biding Cost and Transportation Cost
- (b) Printing Cost and Paper Cost
- (c) Royalty and Promotion Cost
- (d) Binding Cost and Paper Cost

Study the following line graph and answer the questions
Exports from Three Companies Over the Years (in Pesetas)



Model Test Paper 54
General Study Paper II

72. For which of the following pairs of years the total exports from the three Companies together are equal?

- (a) 1995 and 1998
- (b) 1996 and 1998
- (c) 1997 and 1998
- (d) 1995 and 1996

73. Average annual exports during the given period for Company Y is approximately what percent of the average annual exports for Company Z?

- (a) 87.12%
- (b) 89.64%
- (c) 91.21%
- (d) 93.33%

74. In which year was the difference between the exports from Companies X and Y the minimum?

- (a) 1994
- (b) 1995
- (c) 1996
- (d) 1997

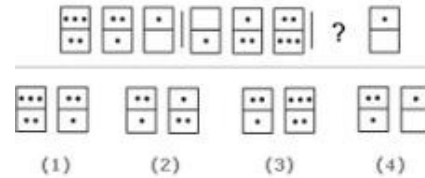
75. What was the difference between the average exports of the three Companies in 1993 and the average exports in 1998?

- (a) 15.33
- (b) 18.67
- (c) 20
- (d) 22.17

76. In how many of the given years, were the exports from Company Z more than the average annual exports over the given years?

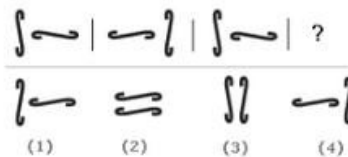
- (a) 2
- (b) 3
- (c) 4
- (d) 5

77. Look carefully at the sequence of symbols to find the pattern. Select correct pattern



- (a) 1
- (b) 2
- (c) 3
- (d) 4

78. Look carefully at the sequence of symbols to find the pattern. Select correct pattern



- (a) 1
- (b) 2
- (c) 3
- (d) 4

Model Test Paper 54
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"/>
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10	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	30	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	50	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	70	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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13	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	33	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	53	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	73	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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17	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	37	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	57	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	77	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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"/>
19	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	39	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	59	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	79	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
20	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	40	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	60	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	80	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>