

Model Test Paper 53
General Study Paper II

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TEST BOOKLET
GENERAL STUDIES
Paper-II

A

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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On January 3, 1961, nine days after Christmas, Richard Legg, John Byrnes, and Richard McKinley were killed in a remote desert in eastern Idaho. Their deaths occurred when a nuclear reactor exploded at a top-secret base in the National Reactor Testing Station (NRTS). Official reports state that the explosion and subsequent reactor meltdown resulted from the improper retraction of the control rod. When questioned about the events that occurred there, officials were very reticent. The whole affair, in fact, was not discussed much, and seemed to disappear with time.

In order to grasp the mysterious nature of the NRTS catastrophe, it helps to know a bit about how nuclear reactors work. After all, the generation of nuclear energy may strike many as an esoteric process. However, given its relative simplicity, the way in which the NRTS reactor functions is widely comprehensible. In this particular kind of reactor, a cluster of nine-ton uranium fuel rods are positioned lengthwise around a central control rod. The reaction begins with the slow removal of the control rod, which starts a controlled nuclear reaction and begins to heat the water in the reactor. This heat generates steam, which builds pressure inside the tank. As pressure builds, the steam looks for a place to escape. The only place this steam is able to escape is through the turbine. As it passes through the turbine on its way out of the tank, it turns the giant fan blades and produces energy.

On the morning of January 3, after the machine had been shut down for the holidays, the three men arrived at the station to restart the reactor. The control rod needed to be pulled out only four inches to be reconnected to the automated driver. However, records indicate that Byrnes yanked it out 23 inches, over five times the distance necessary. In milliseconds the reactor exploded. Legg was impaled on the ceiling; he would be discovered last. It took one week and a lead-shielded crane to remove his body. Even in full protective gear, workers were only able to work a minute at a time. The three men are buried in lead-lined coffins under concrete in New York, Michigan, and Arlington Cemetery, Virginia.

The investigation took nearly two years to complete. Did Byrnes have a dark motive? Or was it simply an accident? Did he know how precarious the procedure was? Other operators were questioned as to whether they knew the consequences of pulling the control rod out so far. They responded, "Of course! We often talked about what we would do if we were at a radar station and the Russians came. We'd yank it out."

Official reports are oddly ambiguous, but what they do not explain, gossip does. Rumors had it that there was tension between the men because

Byrnes suspected the other two of being involved with his young wife. There is little doubt that he, like the other operators, knew exactly what would happen when he yanked the control rod.

1. As used in paragraph 1, which is the best antonym for reticent?

- (a) nosy
- (b) talkative
- (c) reserved
- (d) concerned

2. As used in paragraph 2, which is the best definition for esoteric?

- (a) risky or dangerous
- (b) highly scientific
- (c) kept secret
- (d) understood by few

3. According to the paragraph 2, which of the following is directly responsible for energy production?

- (a) the turning of the turbine blades
- (b) the escape of pressurized steam
- (c) the removal of the control rod
- (d) the positioning of the uranium fuel rods

4. Based on information in the passage, it can be inferred that, after the explosion and subsequent meltdown, the reactor was

- (a) not mentioned in any official documents about the incident
- (b) contaminated with toxic elements
- (c) completely annihilated
- (d) honored as a memorial to the tragic incident

5. Which of the following literary techniques does the author use in the passage?

- I. hyperbole, characterized by the use of exaggeration for effect

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<p>II. foreshadowing, characterized by the use of hints that depict future events in the narrative or story</p> <p>III. flashback, characterized by the description of a scene set in a time earlier than the main story</p> <p>(a) I only</p> <p>(b) I and II only</p> <p>(c) II and III only</p> <p>(d) I, II, and III</p> <p>6. As used in paragraph 4, which is the best synonym for precarious?</p> <p>(a) slow</p> <p>(b) difficult</p> <p>(c) risky</p> <p>(d) involved</p> <p>7. The tone of the author can best be described as</p> <p>(a) neutral</p> <p>(b) dejected</p> <p>(c) sarcastic</p> <p>(d) ominous</p> <p>8. As used in paragraph 5, which is the best synonym for ambiguous?</p> <p>(a) vague</p> <p>(b) disturbing</p> <p>(c) detailed</p> <p>(d) strange</p> <p>9. Based on information in the final paragraph, which of the following statements would the author likely agree with?</p> <p>(a) Official reports about the disaster were detailed and conclusive</p> <p>(b) Legg, Byrnes, and McKinley were best friends</p> <p>(c) Byrnes deliberately yanked the control rod</p> <p>(d) Rumors about the disaster are dubious and uninteresting</p>	<p>The Galapagos Islands are in the Pacific Ocean, off the western coast of South America. They are a rocky, lonely spot, but they are also one of the most unusual places in the world. One reason is that they are the home of some of the last giant tortoises left on earth.</p> <p>Weighing hundreds of pounds, these tortoises, or land turtles, wander slowly around the rocks and sand of the islands. Strangely, each of these islands has its own particular kinds of tortoises. There are seven different kinds of tortoises on the eight islands, each kind being slightly different from the other.</p> <p>Hundreds of years ago, thousands of tortoises wandered around these islands. However, all that changed when people started landing there. When people first arrived in 1535, their ships had no refrigerators. This meant that fresh food was always a problem for the sailors on board. The giant tortoises provided an easy solution to this problem.</p> <p>Ships would anchor off the islands, and crews would row ashore and seize as many tortoises as they could. Once the animals were aboard the ship, the sailors would roll the tortoises onto their backs. The tortoises were completely helpless once on their backs, so they could only lie there until used for soups and stews. Almost 100,000 tortoises were carried off in this way.</p> <p>The tortoises faced other problems, too. Soon after the first ships, settlers arrived, bringing pigs, goats, donkeys, dogs and cats. All of these animals ruined life for the tortoises. Donkeys and goats ate all the plants that the tortoises usually fed on, while the pigs, dogs and cats consumed thousands of baby tortoises each year. Within a few years, it was hard to find any tortoise eggs-or even any baby tortoises.</p> <p>By the early 1900s, people began to worry that the last of the tortoises would soon die out. No one, however, seemed to care enough to do anything about the problem. More and more tortoises disappeared, even though sailors no longer needed them for food. For another 50 years, this situation continued. Finally, in the 1950s, scientists decided that something must be done.</p> <p>The first part of their plan was to remove as many cats, dogs and other animals as they could from the islands. Next, they tried to make sure that more baby tortoises would be born. To do this, they started looking for wild tortoise eggs. They gathered the eggs and put them in safe containers. When the eggs hatched, the scientists raised the tortoises in special pens. Both the eggs and tortoises were numbered so that the</p>
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scientists knew exactly which kinds of tortoises they had and which island they came from. Once the tortoises were old enough and big enough to take care of themselves, the scientists took them back to their islands and set them loose. This slow, hard work continues today, and, thanks to it, the number of tortoises is now increasing every year. Perhaps these wonderful animals will not disappear after all.

10. What happened first?

- (a) Sailors took tortoises aboard ships
- (b) The tortoise meat was used for soups and stews
- (c) Tortoises were put onto their backs
- (d) Settlers brought other animals to the islands

11. What happened soon after people brought animals to the islands?

- (a) Tortoise eggs were kept in safe containers
- (b) Scientists took away as many animals as they could
- (c) The animals ate the tortoises' food and eggs
- (d) The tortoises fought with the other animals

12. When did people start to do something to save the tortoises?

- (a) In the 1500s
- (b) In the 1950s
- (c) In the early 1900s
- (d) In the 1960s

13. What happens right after the tortoise eggs hatch?

- (a) The scientists take the tortoises back to their islands
- (b) The scientists get rid of cats, dogs, and other animals
- (c) The sailors use the tortoises for food
- (d) The scientists raise the tortoises in special pens

14. What happened last?

- (a) The tortoises began to disappear
- (b) The number of tortoises began to grow
- (c) Scientists took away other animals
- (d) Tortoises were taken back to their home islands

The Outer Space treaty, formally the Treaty on Principles Governing the Activities of State in the Exploration and Use of Outer space, including the moon and other Celestial bodies, is a treaty that dictates international space law. The main objective of this treaty is to prevent nations placing nuclear or conventional weapons in orbit of earth, on the moon or on any other celestial body. Similarly, the treaty prohibits the establishment of military bases, fortifications or conducting military manoeuvres in these areas. The treaty was seen as one of the first steps in preventing the proliferation of weapons in space, encouraging more peaceful exploration of space instead.

15. Which one of the following best replaces "dictates" while maintaining the meaning of the sentence?

- (a) Encourage
- (b) Propagates
- (c) Edicts
- (d) Transcribes

16. Which one of the following best replaces "proliferation" while maintaining the meaning of the sentence?

- (a) Production
- (b) Development
- (c) Exploitation
- (d) Propagation

The Moscow international Business Centre (IBC) is a commercial district in central Moscow, Russia, also referred to as Moscow-city. This district is located near the third ring road in the Presnesky District of west Moscow, and is currently under development. The Moscow IBC is expected to become the first zone in Russia to offer business activity, residential space and entertainment in the same development. It is estimated that upon

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<p>the project's completion, 250,000 to 300,000 people will be working, living or visiting the Moscow IBC at any given time. The total cost of the project has been projected at costing \$12 billion.</p> <p>17. Which one of the following best replaces "residential" while maintaining the meaning of the sentence?</p> <p>(a) Family (b) Housing (c) Apartment (d) Rental</p> <p>18. Which one of the following best replaces "projected" while maintaining the meaning of the sentence?</p> <p>(a) Calculated (b) Estimated (c) Totalled (d) Prophesised</p> <p>The Kraken is a mythological and legendary sea monster believed to have lived off the coasts of Norway and Greenland. The earliest descriptions of the Kraken depict a crab like creature, however later legends describe the Kraken as a large octopus like being. Tales frequently mention reports from sailors of the Kraken attacking ships and pulling sailors underwater using long tentacles. although these stories are believed to be purely mythological, the 40-50 ft long giant squid and the recently discovered colossal squid, which are known to have attacked boats, may provide an explanation for Kraken sightings.</p> <p>19. Which one of the following best replaces "descriptions" while maintaining the meaning of the sentence?</p> <p>(a) Depictions (b) Images (c) Encounters (d) Metaphors</p> <p>20. Which one of the following best replaces "frequently" while maintaining the meaning of the sentence?</p>	<p>(a) Occasionally (b) Numerous (c) Often (d) Habitually</p> <p>Deep sea gigantism, also known as abyssal gigantism, is a phenomenon in which invertebrates and other deep-sea creatures grow to much larger sizes than their shallow-water counterparts. The giant Isopod is a famous example of deep sea gigantism, having a maximum weight of 1.7 kg and strongly resembling a common woodlouse. Another example is the Japanese Spider crab which has the largest leg span of any arthropod, reaching up to 3.8 meters and weighing up to 19 kg. The reason why deep sea gigantism occurs is currently unknown, but it is hypothesised that the low temperatures of the deep sea may be responsible for creatures evolving to such large sizes.</p> <p>21. Which one of the following best replaces "counterparts" while maintaining the meaning of the sentence?</p> <p>(a) Duplicate (b) Analogous (c) Imitation (d) Equivalents</p> <p>22. Which one of the following best replaces "hypothesised" while maintaining the meaning of the sentence?</p> <p>(a) Known (b) Imagined (c) Considered (d) Theorized</p> <p>23. Which letter is the 8th letter to the right of the letter which is 10th to the left of the last but one letter from the right ?</p> <p>(a) V (b) X (c) W (d) I</p>
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<p>24. Select the one which is different from the other three</p> <p>(a) Bible</p> <p>(b) Panchsheel</p> <p>(c) Geeta</p> <p>(d) Quran</p> <p>25. Find the missing number?</p> <table style="margin-left: 20px;"><tr><td>28</td><td>35</td><td>42</td><td>49</td></tr><tr><td>56</td><td>63</td><td>70</td><td>?</td></tr></table> <p>(a) 75</p> <p>(b) 85</p> <p>(c) 77</p> <p>(d) 80</p> <p>26. Find the missing number?</p> <p>4, 2, 8, 16, ?</p> <p>(a) 128</p> <p>(b) 14</p> <p>(c) 108</p> <p>(d) 32</p> <p>27. Some men are strong. A few strong men are able to smash brick with their heads. Luca is man. Which of the following is most likely to be true?</p> <p>(a) Luca can smash bricks with his head</p> <p>(b) Luca is strong</p> <p>(c) Luca might be strong</p> <p>(d) None of the above</p> <p>28. Allen spent more at the store than Sally. Sally always outspends Jim at the store. Malinda always spends twice what Sally spends. Which of the following is true?</p> <p>(a) Jim spent more than Malinda</p> <p>(b) Jim spent less than Malinda</p> <p>(c) Malinda spent less than Allen</p> <p>(d) malinda spent more than Allen</p>	28	35	42	49	56	63	70	?	<p>29. Lazy people often sleep late into the day. If you generally sleep late into the day, you will almost always run the risk of being unproductive. Lawrence is a lazy person. Which of the following is most correct?</p> <p>(a) Lawrence gets up late</p> <p>(b) Lawrence will be regularly productive</p> <p>(c) Lawrence is unproductive</p> <p>(d) Lawrence is potentially unproductive</p> <p>30. No cars run on potatoes. all potato-based vehicles move slowly. Which of the following holds?</p> <p>(a) Potato-based vehicles must be supplemented by other fuels</p> <p>(b) Cars could run on potatoes</p> <p>(c) Cars run slowly</p> <p>(d) None of the above</p> <p>31. All radios are a type of signal-receiving device. Some types of signal receiving devices are regulated by the government. Which of the following is the best conclusion?</p> <p>(a) Radios are regulated by the government</p> <p>(b) It is possible that radios are regulated by the government</p> <p>(c) Radios have no relationship to the government</p> <p>(d) Radios are not regulated by the government</p> <p>32. On the planet Racknar, all trains travel westward only and often fall off the face of the planet through massive holes. Also, on this planet, all planes travel only north or west and never have accidents. Harry, an inhabitant of Racknar, tragically died during a trip westward. Which of the following is true?</p> <p>(a) Harry flew on a plane</p> <p>(b) Harry might have flown on a plane</p> <p>(c) Harry travelled by train</p> <p>(d) Harry's death was caused by falling through a hole in the earth</p>
28	35	42	49						
56	63	70	?						

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<p>33. Class A has a higher enrollment than Class B Class C has a lower enrollment than Class B Class A has a lower enrollment than Class C</p> <p>If the first two statements are true, the third statement is</p> <p>(a) true (b) false (c) uncertain (d)</p> <p>34. A fruit basket contains more apples than lemons There are more lemons in the basket than there are oranges The basket contains more apples than oranges</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. The Shop and Save Grocery is south of Greenwood Pharmacy Rebecca's house is northeast of Greenwood Pharmacy Rebecca's house is west of the Shop and Save Grocery</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. Joe is younger than Kathy. Mark was born after Joe. Kathy is older than Mark. If the first two statements are true, the third statement is</p> <p>(a) true (b) false (c) uncertain (d)</p>	<p>37. On the day the Barton triplets are born, Jenna weighs more than Jason Jason weighs less than Jasmine Of the three babies, Jasmine weighs the most</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. The temperature on Monday was lower than on Tuesday The temperature on Wednesday was lower than on Tuesday The temperature on Monday was higher than on Wednesday</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. Oat cereal has more fiber than corn cereal but less fiber than bran cereal Corn cereal has more fiber than rice cereal but less fiber than wheat cereal Of the three kinds of cereal, rice cereal has the least amount of fiber.</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. Martina is sitting in the desk behind Jerome Jerome is sitting in the desk behind Bryant Bryant is sitting in the desk behind Martina</p>
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<p>If the first two statements are true, the third statement is</p> <p>(a) true (b) false (c) uncertain (d)</p> <p>41. Battery X lasts longer than Battery Y Battery Y doesn't last as long as Battery Z Battery Z lasts longer than Battery X</p> <p>If the first two statements are true, the third statement is</p> <p>(a) true (b) false (c) uncertain (d)</p> <p>42. Spot is bigger than King and smaller than Sugar Ralph is smaller than Sugar and bigger than Spot King is bigger than Ralph</p> <p>If the first two statements are true, the third statement is</p> <p>(a) true (b) false (c) uncertain (d)</p> <p>43. Two dice are tossed. The probability that the total score is a prime number is</p> <p>(a) $1/6$ (b) $5/12$ (c) $1/2$ (d) $7/9$</p> <p>44. A card is drawn from a pack of 52 cards. The probability of getting a queen of club or a king of heart is</p> <p>(a) $1/13$</p>	<p>(b) $2/13$ (c) $1/26$ (d) $1/52$</p> <p>45. A boat running upstream takes 8 hours 48 minutes to cover a certain distance, while it takes 4 hours to cover the same distance running downstream. What is the ratio between the speed of the boat and speed of the water current respectively?</p> <p>(a) 2 : 1 (b) 3 : 2 (c) 8 : 3 (d) Cannot be determined</p> <p>46. A fort had provision of food for 150 men for 45 days. After 10 days, 25 men left the fort. The number of days for which the remaining food will last, is</p> <p>(a) 29.5 (b) 37.25 (c) 42 (d) 54</p> <p>47. Look carefully for the pattern, and then choose which pair of numbers comes next</p> <p>17 17 34 20 20 31 23</p> <p>(a) 26 23 (b) 34 20 (c) 23 33 (d) 23 28</p> <p>48. Look carefully for the pattern, and then choose which pair of numbers comes next</p> <p>6 20 8 14 10 8 12</p> <p>(a) 14 10 (b) 2 18 (c) 4 12 (d) 2 14</p>
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<p>49. 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>50. Today's workforce has a new set of social values. Ten years ago, a manager who was offered a promotion in a distant city would not have questioned the move. Today, a manager in that same situation might choose family happiness instead of career advancement.</p> <p>This paragraph best supports the statement that</p> <p>(a) most managers are not loyal to the corporations for which they work</p> <p>(b) businesses today do not understand their employees needs</p> <p>(c) employees social values have changed over the past ten years</p> <p>(d) career advancement is not important to today's business managers</p> <p>51. 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 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>52. Yoga has become a very popular type of exercise, but it may not be for everyone. Before you sign yourself up for a yoga class, you need to examine what it is you want from your fitness routine. If you're looking for a high-energy, fast-paced aerobic workout, a yoga class might not be your best choice.</p> <p>This paragraph best supports the statement that</p> <p>(a) yoga is more popular than high-impact aerobics</p> <p>(b) before embarking on a new exercise regimen, you should think about your needs and desires</p> <p>(c) yoga is changing the world of fitness in major ways</p> <p>(d) yoga benefits your body and mind</p> <p>53. Human technology developed from the first stone tools about two and a half million years ago. At the beginning, the rate of development was slow. Hundreds of thousands of years passed without much change. Today, new technologies are reported daily on television and in newspapers.</p> <p>This paragraph best supports the statement that</p> <p>(a) stone tools were not really technology</p> <p>(b) stone tools were in use for two and a half million years</p> <p>(c) there is no way to know when stone tools first came into use</p> <p>(d) In today's world, new technologies are constantly being developed</p> <p>54. Read the below passage carefully and answer the questions: Giving children computers in grade school is a waste of money and teachers time. These children are too young to learn how to use computers effectively and need to spend time on learning the basics, like arithmetic and reading. After all, a baby has to crawl before she can walk.</p> <p>Which of the following methods of argument is used in the previous passage?</p>
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<p>(a) a specific example that illustrates the speaker's point</p> <p>(b) attacking the beliefs of those who disagree with the speaker</p> <p>(c) relying on an analogy to prove the speaker's point</p> <p>(d) displaying statistics that back up the speaker's point</p> <p>Read the below passage carefully and answer the questions: Quinn: Our state is considering raising the age at which a person can get a driver's license to eighteen. This is unfair because the age has been sixteen for many years and sixteen-year-olds today are no less responsible than their parents and grandparents were at sixteen. Many young people today who are fourteen and fifteen years old are preparing to receive their licenses by driving with a learner's permit and a licensed driver, usually one of their parents. It would not be fair to suddenly say they have to wait two more years.</p> <p>Dakota: It is true that people have been allowed to receive a drivers license at sixteen for generations. However, in recent years, the increase in traffic means drivers face more dangers than ever and must be ready to respond to a variety of situations. The fact that schools can no longer afford to teach drivers education results in too many young drivers who are not prepared to face the traffic conditions of today.</p> <p>55. What is the point at issue between Quinn and Dakota?</p> <p>(a) whether sixteen-year-olds should be required to take drivers education before being issued a license</p> <p>(b) whether schools ought to provide drivers education to fourteen- and fifteen-year-old students</p> <p>(c) whether the standards for issuing drivers licenses should become more stringent</p> <p>(d) whether sixteen-year-olds are prepared to drive in today's traffic conditions</p> <p>56. On what does Quinn rely in making her argument?</p> <p>(a) statistics</p> <p>(b) emotion</p> <p>(c) fairness</p> <p>(d) anecdotes</p>	<p>57. On what does Dakota rely in making her argument?</p> <p>(a) statistics</p> <p>(b) emotion</p> <p>(c) fairness</p> <p>(d) actualities</p> <p>58. Statements: In a one day cricket match, the total runs made by a team were 200. Out of these 160 runs were made by spinners.</p> <p>Conclusions:</p> <p>1. 80% of the team consists of spinners 2. The opening batsmen were spinners</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>59. Statements: The old order changed yielding place to new</p> <p>Conclusions:</p> <p>1. Change is the law of nature 2. Discard old ideas because they are old</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>
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The following table gives the percentage of marks obtained by seven students in six different subjects in an examination

The Numbers in the Brackets give the Maximum Marks in Each Subject.

Student	Subject (Max. Marks)					
	Maths	Chemistry	Physics	Geography	History	Computer Science
	(150)	(130)	(120)	(100)	(60)	(40)
Ayush	90	50	90	60	70	80
Aman	100	80	80	40	80	70
Sajal	90	60	70	70	90	70
Rohit	80	65	80	80	60	60
Muskan	80	65	85	95	50	90
Tarvi	70	75	65	85	40	60
Tarun	65	35	50	77	80	80

60. What are the average marks obtained by all the seven students in Physics? (rounded off to two digit after decimal)

- (a) 77.26%
- (b) 89.14%
- (c) 91.37%
- (d) 96.11%

61. The number of students who obtained 60% and above marks in all subjects is?

- (a) 1
- (b) 2

- (c) 3
- (d) none

62. What was the aggregate of marks obtained by Sajal in all the six subjects?

- (a) 409
- (b) 419
- (c) 429
- (d) 449

63. In which subject is the overall percentage the best?

- (a) Maths
- (b) Chemistry
- (c) Physics
- (d) History

64. What is the overall percentage of Tarun?

- (a) 52.5%
- (b) 55%
- (c) 60%
- (d) 63%

Model Test Paper 53
General Study Paper II

The bar graph given below shows the foreign exchange reserves of a country (in million US \$) from 1991 - 1992 to 1998 - 1999.



65. The ratio of the number of years, in which the foreign exchange reserves are above the average reserves, to those in which the reserves are below the average reserves is?

- (a) 2:6
- (b) 3:4
- (c) 3:5
- (d) 4:4

66. The foreign exchange reserves in 1997-98 was how many times that in 1994-95?

- (a) 0.7
- (b) 1.2
- (c) 1.4
- (d) 1.5

67. For which year, the percent increase of foreign exchange reserves over the previous year, is the highest?

- (a) 1992-93

- (b) 1993-94
- (c) 1994-95
- (d) 1996-97

68. The foreign exchange reserves in 1996-97 were approximately what percent of the average foreign exchange reserves over the period under review?

- (a) 95%
- (b) 110%
- (c) 115%
- (d) 125%

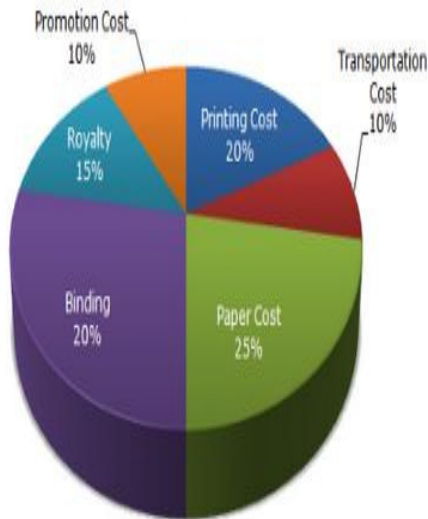
69. What was the percentage increase in the foreign exchange reserves in 1997-98 over 1993-94?

- (a) 100
- (b) 150
- (c) 200
- (d) 620

Model Test Paper 53
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



70. If for a certain quantity of books, the publisher has to pay Rs. 30,600 as printing cost, then what will be amount of royalty to be paid for these books?

- (a) Rs. 19,450
- (b) Rs. 21,200
- (c) Rs. 22,950
- (d) Rs. 26,150

71. What is the central angle of the sector corresponding to the expenditure incurred on Royalty?

- (a) 15°
- (b) 24°
- (c) 54°
- (d) 48°

72. The price of the book is marked 20% above the C.P. If the marked price of the book is Rs. 180, then what is the cost of the paper used in a single copy of the book?

- (a) Rs. 36
- (b) Rs. 37.50
- (c) Rs. 42
- (d) Rs. 44.25

73. If 5500 copies are published and the transportation cost on them amounts to Rs. 82500, then what should be the selling price of the book so that the publisher can earn a profit of 25%?

- (a) Rs. 187.50
- (b) Rs. 191.50
- (c) Rs. 175
- (d) Rs. 180

74. Royalty on the book is less than the printing cost by

- (a) 5%
- (b) $33 \frac{1}{5}\%$
- (c) 20%
- (d) 25%

75.

Find the minimum number of straight lines required to make the given figure.

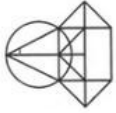


- (a) 9
- (b) 11
- (c) 15
- (d) 16

Model Test Paper 53
General Study Paper II

76.

Find the number of triangles in the given figure.



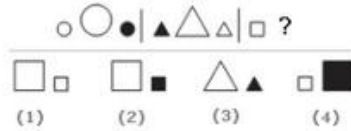
- (a) 10
- (b) 12
- (c) 14
- (d) 16

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



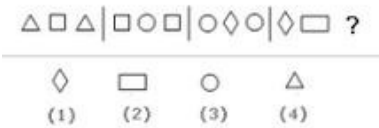
- (a) 1
- (b) 2
- (c) 3
- (d) 4

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



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

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



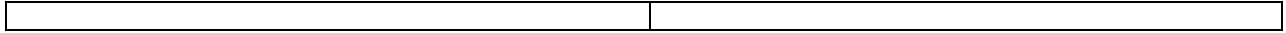
- (a) 1
- (b) 2
- (c) 3
- (d) 4

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



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

Model Test Paper 53
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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6	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	26	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	46	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	66	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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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"/>
14	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	34	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	54	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	74	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
15	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	35	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	55	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	75	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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"/>
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"/>