

Model Test Paper 55
General Study Paper II

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TEST BOOKLET
GENERAL STUDIES
Paper-II

C

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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Some people say that the best defense is a good offense; an octopus, however, would disagree. In addition to being one of the strangest and most beautiful creatures in nature, the octopus has some of the most inventive and effective defense mechanisms imaginable. While other animals have teeth, horns, or claws to help defend them from predators, the octopus concentrates its energy on hiding from and confusing its attackers. When it wants to get away, the octopus has an impressive arsenal of tricks at its disposal.

The most well-known of the octopus's defense mechanisms is its ability to squirt clouds of ink into the water. Some octopi use this cloud of ink as camouflage; after squirting the ink, the octopus retreats into the ink cloud where the predator cannot see it. Other octopi use the ink cloud as a decoy. If a large, intelligent predator such as a shark knows that octopi use ink clouds for camouflage, it might simply attack the ink cloud blindly, hoping to make contact with the octopus inside. However, some sneaky octopi will release the ink cloud in one direction and scurry away in another direction, leaving the predator with nothing but a mouthful of ink. In addition to confusing predators' sense of sight, these ink clouds also confuse their sense of smell. The ink is composed primarily of melanin (the same chemical that gives human skin its color), which can shut down a predator's sense of smell. If an octopus cannot be seen or smelled, it has a much higher chance of escaping an attack.

Another defense mechanism possessed by many octopi is the ability to change color, much like a chameleon. Most animals get their skin color from chemicals in the skin called chromatophores (melanin is one of these chromatophores). Chromatophores might contain yellow, orange, red, brown, or black pigments, and the amount of each pigment present in the skin determines an animal's color. While most animals are always the same color, some species of octopi can control the amount of each color pigment in their skin cells, allowing them to change color. Some poisonous octopi, when provoked, will change their skin to a bright, eye-catching color to warn predators that they are dangerous and ready to strike. Other octopi use this ability to change their skin to the color and texture of seaweed or coral, allowing them to blend in with their environment. Finally, some octopi—such as the mimic octopus—use this colorchanging ability to masquerade as another type of animal. The body of an octopus is highly flexible, and some species can combine this flexibility with their color-changing skills to make themselves resemble more dangerous animals such as sea snakes or eels.

Yet another defense mechanism possessed by some octopi is the ability to perform an autotomy,

or self-amputation, of one of their limbs and regrow it later. Many species of skink and lizard also possess this ability, which allows them to shed their tails when caught by a predator and therefore get away. When a predator catches a tentacle the octopus can amputate this tentacle, thereby unfettering itself, and regrow the tentacle later. Some octopi, however, are even cleverer. When threatened by a predator, these octopi will shed a tentacle before being attacked in the hope that the predator will go after the detached tentacle rather than the octopus itself.

While the octopus may not be the most vicious creature in the ocean, its numerous and clever defense mechanisms help it to survive in the dangerous undersea world.

1. Which of the following sentences from the passage best expresses the main idea?

(a) The most well-known of the octopus's defense mechanisms is its ability to squirt clouds of ink into the water

(b) Some people say that the best defense is a good offense; an octopus, however, would disagree

(c) Another defense mechanism possessed by many octopi is the ability to change color, much like a chameleon

(d) When it wants to get away, the octopus has an impressive arsenal of tricks at its disposal

2. The author claims in paragraph 1 that an octopus would disagree with the statement "the best defense is a good offense" because

(a) octopi employ more defensive than offensive capabilities

(b) octopi possess good defensive and offensive capabilities

(c) octopi can protect themselves from teeth, horns, and claws

(d) not all octopi possess the same defense mechanisms

3. Which of the following statements best describes the organizational structure of paragraphs 2-4?

(a) The author lays out several reasons to support the argument that the octopus has the best defense mechanisms of any sea creature

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<p>(b) The author devotes one paragraph each to explaining three different defense mechanisms possessed by the octopus</p> <p>(c) The author devotes one paragraph each to highlighting three potential threats to the octopus and how the octopus deals with each one differently</p> <p>(d) The author compares and contrasts three different defense mechanisms employed by the octopus</p> <p>4. According to the passage, which of the following statements about the chemical melanin are true?</p> <p>I. An octopus's ink is composed primarily of melanin II. Melanin is a chromatophore III. Like the octopus, chameleons use melanin to change color</p> <p>(a) I only (b) I and II only (c) II and III only (d) I, II, and III</p> <p>5. As used in paragraph 4, which of the following is the best synonym for unfettering?</p> <p>(a) freeing (b) regrowing (c) amputating (d) sacrificing</p> <p>6. The final paragraph can best be described as a</p> <p>(a) prediction conclusion, in which the author looks toward the future (b) full circle conclusion, in which the author incorporates and builds on a word or theme from the introduction (c) solution conclusion, in which the author proposes a solution to a problem posed earlier in the passage (d) summary conclusion, in which the author restates the passage's main idea</p>	<p>Just announced: existing home sales hit an annualized rate of 5.03 million units during August. That exceeds the 4.70 million unit rate that had been expected, on average, among economists polled by InstaPoll.com. The pace is also up from the rate of 4.67 million units recorded during the previous month. The broad market hasn't reacted strongly to the data. However, homebuilders Genix (GEN 14.32, +0.22), ND Home (NDH 6.59, +0.15), and Home Group (HMG 4.54, +0.03) are all up nicely as investors anticipate that a rise in existing home sales portends an acceleration of the rate of new home sales.</p> <p>7. Which of the following would be the best title for this passage?</p> <p>(a) Investors Favor Homebuilders (b) A Better Way to Build a Home (c) GEN and ND Home Register Big Gains (d) Led by Homebuilders, Stocks Hit New Highs</p> <p>8. As used in the passage, which is the best synonym for portends?</p> <p>(a) predicts (b) decreases (c) affects (d) authorizes</p> <p>9. This passage would most likely be found</p> <p>(a) in a high school economics textbook (b) in a book on twenty-first century economics (c) in a manual outlining stock market rules and regulations (d) on a real-time stock market trading website</p> <p>Charles A. Lindbergh is remembered as the first person to make a nonstop solo flight across the Atlantic, in 1927. This feat, performed when Lindbergh was only 25 years old, assured him a lifetime of fame and public attention. Charles Augustus Lindbergh was more interested in flying airplanes than he was in studying. He dropped out of the University of Wisconsin after two years to earn a living performing daredevil airplane stunts at county fairs. Two years later, he joined the United States Army so that he could go to the Army Air Service flight-training school. After completing his training, he was hired to fly mail between St. Louis and Chicago.</p>
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Then came the historic flight across the Atlantic. In 1919, a New York City hotel owner offered a prize of \$25,000 for the first pilot to fly nonstop from New York to Paris. Nine St. Louis business leaders helped pay for the plane Lindbergh designed especially for the flight. Lindbergh tested the plane by flying it from San Diego to New York, with an overnight stop in St. Louis. The flight took only 20 hours and 21 minutes, a transcontinental record.

Nine days later, on May 20, 1927, Lindbergh took off from Long Island, New York, at 7:52 a.m. He landed in Paris on May 21 at 10:21 p.m. He had flown more than 3,600 miles in less than 34 hours. His flight made news around the world. He was given awards and parades everywhere he went. He was presented with the US Congressional Medal of Honor and the first Distinguished Flying Cross. For a long time, Lindbergh toured the world as a US goodwill ambassador. He met his future wife, Anne Morrow, in Mexico, where her father was the United States ambassador.

During the 1930s, Charles and Anne Lindbergh worked for various airline companies, charting new commercial air routes. In 1931, for a major airline, they chartered a new route from the east coast of the United States to the Orient. The shortest, most efficient route was a great curve across Canada, over Alaska, and down to China and Japan. Most pilots familiar with the Arctic did not believe that such a route was possible. The Lindberghs took on the task of proving that it was. They arranged for fuel and supplies to be set out along the route. On July 29, they took off from Long Island in a specially equipped small seaplane. They flew by day and each night landed on a lake or a river and camped. Near Nome, Alaska, they had their first serious emergency. Out of daylight and nearly out of fuel, they were forced down into a small ocean inlet. In the next morning's light, they discovered they had landed on barely three feet of water. On September 19, after two more emergency landings and numerous close calls, they landed in China with the maps for a safe airline passenger route.

Even while actively engaged as a pioneering flier, Lindbergh was also working as an engineer. In 1935, he and Dr. Alexis Carrel were given a patent for an artificial heart. During World War II in the 1940s, Lindbergh served as a civilian technical advisor in aviation. Although he was a civilian, he flew over 50 combat missions in the Pacific. In the 1950s, Lindbergh helped design the famous 747 jet airliner. In the late 1960s, he spoke widely on conservation issues. He died in August 1974, having lived through aviation history from the time of the first powered flight to the first steps on the moon and having influenced a big part of that history himself.

10. What did Lindbergh do before he crossed the Atlantic?

- (a) He chartered a route to China
- (b) He graduated from flight-training school
- (c) He married Anne Morrow
- (d) He acted as a technical advisor during World War II

11. What happened immediately after Lindbergh crossed the Atlantic?

- (a) He flew the mail between St. Louis and Chicago
- (b) He left college
- (c) He attended the Army flight-training school
- (d) He was given the Congressional Medal of Honor

12. When did Charles meet Anne Morrow?

- (a) Before he took off from Long Island
- (b) After he worked for an airline
- (c) Before he was forced down into an ocean inlet
- (d) After he received the first Distinguished Flying Cross

13. When did the Lindberghs map an air route to China?

- (a) Before they worked for an airline
- (b) Before Charles worked with Dr. Carrel
- (c) After World War II
- (d) While designing the 747

14. What event happened last?

- (a) Lindbergh patented an artificial heart
- (b) The Lindberghs mapped a route to the Orient
- (c) Lindbergh helped design the 747 airliner
- (d) Lindbergh flew 50 combat missions

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<p>Behavioural economics and its sister field, behavioural finance, studies the effect of social, cognitive and emotional decisions of individuals and institutions. This field typically focuses on the bounds of rationality by economic agents. Behavioural models typically integrate insights from psychology with neo-classical economic theory and therefore cover a range of concepts, methods and paradigms. There are three prevalent themes in behavioural finance: Heuristics, Framing and Market Inefficiencies.</p> <p>15. Which one of the following best replaces "integrate" while maintaining the meaning of the sentence?</p> <p>(a) Incorporate (b) Amalgamated (c) Provides (d) Absorbs</p> <p>16. Which one of the following best replaces "prevalent" while maintaining the meaning of the sentence?</p> <p>(a) Overriding (b) Rampant (c) Leading (d) Predominant</p> <p>The Spade-Toothed whale is believed to be the world's rarest species of beaked whale. The species was identified in 1986, when a Spade-Toothed whale skull was found beached in Chile. However, in 2010 two whole specimens were found stranded on Opape beach, New Zealand, the first time complete specimens have been found. DNA analysis of the three finds identified they were of the same species, allowing biologists to officially name the species <i>M.traversii</i>, or the Spade-Toothed whale. The appearance of the whale was only described in 2012, and nothing is known about their behaviour, although it is predicted to be similar to other beaked whales</p> <p>17. Which one of the following best replaces "beached" while maintaining the meaning of the sentence?</p> <p>(a) Stranded (b) Ashore</p>	<p>(c) Shipwrecked (d) Marooned</p> <p>18. Which one of the following best replaces "officially" while maintaining the meaning of the sentence?</p> <p>(a) Correctly (b) Appropriately (c) Appreciably (d) Formally</p> <p>The city of Jericho is a Palestinian city located near the west banks of the Jordan River. Jericho is believed to be one of the oldest inhabited cities in the world, with evidence of settlement dating back to 9000 BC. The first settlement was built near the Ein as-Sultan spring, between 10,000 and 9,000 BC. Due to increasing global temperatures around this time, agriculture and permanent residence became possible, leading to the development of permanent villages. By about 9,400 BC, the town of Jericho had grown to more than 70 homes, and may have housed over 1000 people. Famously, the early town was surrounded by a 3.6 metre high wall, known as the wall of Jericho.</p> <p>19. Which one of the following best replaces "located" while maintaining the meaning of the sentence?</p> <p>(a) Founded (b) Adjacently (c) Situated (d) Formulated</p> <p>20. Which one of the following best replaces "agriculture" while maintaining the meaning of the sentence?</p> <p>(a) Husbandry (b) Gardening (c) Gathering (d) Horticulture</p>
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The BCG (Boston Consulting Group) growth-share matrix is a chart formulated by Bruce Henderson for the Boston Consulting Group in order to aid organisations with their analysis of services and products. This chart is designed to help companies allocate resources by plotting where products or services rank on market-growth and relative market share. Products and services with high growth - high market share are referred to as "Stars" and require further investment. Low market growth - high market share products are "cash cows" reliable sources of income. Low market share - low growth products are referred to as "dogs" and require de-vestment. Finally high market growth - low market share products are "question marks", requiring in-depth analysis before further investment.

21. Which one of the following best replaces "formulated" while maintaining the meaning of the sentence?

- (a) Produced
- (b) Presented
- (c) Synthesised
- (d) Inaugurated

22. Which one of the following best replaces "allocate" while maintaining the meaning of the sentence?

- (a) identify
- (b) Bestow
- (c) Distribute
- (d) Endowment

23. 'Air' is to 'Bird' as 'Water' is to

- (a) Drink
- (b) Fish
- (c) Wash
- (d) Swim

24. 'Pencil' is to 'Write' as 'Knife' is to

- (a) Injure
- (b) Peel

- (c) Prick
- (d) Attack

25. Find the missing number?

1, 9, 31, 55, ?, 33, 11, 3

- (a) 57
- (b) 54
- (c) 11
- (d) 19

26. Find the missing number?

2	5	12	3	15
3	7	16	?	31

- (a) 11
- (b) 5
- (c) 19
- (d) 7

27. All creeps are ring-rangs. Some ring-rangs are zip-doodles. All zip-doodles are mishmashes. Which of the following is true?

- (a) All mishmashes are creeps
- (b) Some creeps are mishmashes.
- (c) All mishmashes are zip-doodles.
- (d) All creeps are mishmashes

28. There never are sales on corn in Alaska. A massive shipment of corn arrived in Alaska this month. Which of the following is true?

- (a) The demand for corn has increased quickly
- (b) Retail prices for corn plummeted
- (c) Corn is now being used for non-edible purposes in Alaska
- (d) Corn prices in Alaska have remained level

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<p>29. Intelligence can sometimes lead to a job that pays well. A job that pays well is sometimes fulfilling. Filbert is the most intelligent person in Vermont.</p> <p>(a) Filbert has a fulfilling career.</p> <p>(b) Filbert is unlikely to be miserable</p> <p>(c) Filbert is well paid</p> <p>(d) None of the other answers</p> <p>30. All musicians are temperamental. Temperamental people are either angry or joyful. Peter and Ronald are friends. Ronald is joyful. Which of the following is true?</p> <p>(a) Peter is also joyful</p> <p>(b) Ronald is a musician</p> <p>(c) Peter and Ronald have a tumultuous friendship</p> <p>(d) Ronald might be a musician</p> <p>31. Mildred is regularly bitter, especially when George is happy. George is always happy when it is hailing. Yesterday, there was a massive hailstorm. Which of the following is true?</p> <p>(a) George might be happy</p> <p>(b) Mildred is not bitter</p> <p>(c) Mildred is bitter.</p> <p>(d) None of the above answers</p> <p>32. Pilfering pizzas always makes Bob joyous. Yesterday, Bob stole three pizzas. Which of the following is true?</p> <p>(a) Bob might have been joyous yesterday</p> <p>(b) Bob is in jail today</p> <p>(c) Bob was joyous yesterday</p> <p>(d) Bob is a joyous person</p> <p>33. The bookstore has a better selection of postcards than the newsstand does The selection of postcards at the drugstore is better than at the bookstore The drugstore has a better selection of postcards than the bookstore or the newsstand</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>34. A jar of jelly beans contains more red beans than green There are more yellow beans than red The jar contains fewer yellow jelly beans than green ones</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>35. Fact 1: All dogs like to run Fact 2: Some dogs like to swim Fact 3: Some dogs look like their masters</p> <p>If the first three statements are facts, which of the following statements must also be a fact?</p> <p>I: All dogs who like to swim look like their masters II: Dogs who like to swim also like to run III: Dogs who like to run do not look like their masters</p> <p>(a) I only</p> <p>(b) II only</p> <p>(c) I and III only</p> <p>(d) None of the statements is a known fact</p> <p>36. Fact 1: Jessica has four children Fact 2: Two of the children have blue eyes and two of the children have brown eyes Fact 3: Half of the children are girls</p> <p>If the first three statements are facts, which of the following statements must also be a fact?</p> <p>I: At least one girl has blue eyes II: Two of the children are boys III: The boys have brown eyes</p>
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<p>(a) I only</p> <p>(b) II only</p> <p>(c) II and III only</p> <p>(d) one of the statements is a known fact</p> <p>37. Fact 1: All drink mixes are beverages Fact 2: All beverages are drinkable Fact 3: Some beverages are red</p> <p>If the first three statements are facts, which of the following statements must also be a fact?</p> <p>I: Some drink mixes are red II: All beverages are drink mixes III: All red drink mixes are drinkable</p> <p>(a) I only</p> <p>(b) II only</p> <p>(c) I and III only</p> <p>(d) None of the statements is a known fact</p> <p>38. Fact 1: All chickens are birds Fact 2: Some chickens are hens Fact 3: Female birds lay eggs</p> <p>If the first three statements are facts, which of the following statements must also be a fact?</p> <p>I: All birds lay eggs II: Some Hens are birds III: Some chickens are not hens</p> <p>(a) I only</p> <p>(b) II only</p> <p>(c) II and III only</p> <p>(d) None of the statements is a known fact</p> <p>39. Fact 1: All hats have brims Fact 2: There are black hats and blue hats Fact 3: Baseball caps are hats</p> <p>If the first three statements are facts, which of the following statements must also be a fact?</p> <p>I: All caps have brims II: Some baseball caps are blue III: Baseball caps have no brims</p> <p>(a) I only</p>	<p>(b) II only</p> <p>(c) II and III only</p> <p>(d) None of the statements is a known fact</p> <p>40. One card is drawn at random from a pack of 52 cards. What is the probability that the card drawn is a face card (Jack, Queen and King only)?</p> <p>(a) $1/13$</p> <p>(b) $3/13$</p> <p>(c) $1/4$</p> <p>(d) $9/52$</p> <p>41. A bag contains 6 black and 8 white balls. One ball is drawn at random. What is the probability that the ball drawn is white?</p> <p>(a) $3/4$</p> <p>(b) $4/7$</p> <p>(c) $1/8$</p> <p>(d) $3/7$</p> <p>42. In one hour, a boat goes 11 km/hr along the stream and 5 km/hr against the stream. The speed of the boat in still water (in km/hr) is</p> <p>(a) 3 km/hr</p> <p>(b) 5 km/hr</p> <p>(c) 8 km/hr</p> <p>(d) 9 km/hr</p> <p>43. A man completes $5/8$ of a job in 10 days. At this rate, how many more days will it take him to finish the job?</p> <p>(a) 5</p> <p>(b) 6</p> <p>(c) 7</p> <p>(d) 7.5</p>
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<p>44. Look carefully for the pattern, and then choose which pair of numbers comes next</p> <p>11 16 21 26 31 36 41</p> <p>(a) 47 52</p> <p>(b) 46 52</p> <p>(c) 45 49</p> <p>(d) 46 51</p> <p>45. Look carefully for the pattern, and then choose which pair of numbers comes next</p> <p>3 8 13 18 23 28 33</p> <p>(a) 39 44</p> <p>(b) 38 44</p> <p>(c) 38 43</p> <p>(d) 37 42</p> <p>46. Obesity is a serious problem in this country. Research suggests that obesity can lead to a number of health problems including diabetes, asthma, and heart disease. Recent research has even indicated that there may be a relationship between obesity and some types of cancer. Major public health campaigns that increase awareness and propose simple lifestyle changes that will, with diligence and desire, eliminate or least mitigate the incidence of obesity are a crucial first step in battling this critical problem.</p> <p>This paragraph best supports the statement that</p> <p>(a) public health campaigns that raise consciousness and propose lifestyle changes are a productive way to fight obesity</p> <p>(b) obesity is the leading cause of diabetes in our country</p> <p>(c) people in our country watch too much television and do not exercise enough</p> <p>(d) a decline in obesity would radically decrease the incidence of asthma</p> <p>47. Critical reading is a demanding process. To read critically, you must slow down your reading and, with pencil in hand, perform specific operations on the text. Mark up the text with your reactions, conclusions, and questions. When you</p>	<p>read, become an active participant.</p> <p>This paragraph best supports the statement that</p> <p>(a) critical reading is a slow, dull, but essential process</p> <p>(b) the best critical reading happens at critical times in a person's life</p> <p>(c) readers should get in the habit of questioning the truth of what they read</p> <p>(d) critical reading requires thoughtful and careful attention</p> <p>48. Walk into any supermarket or pharmacy and you will find several shelves of products designed to protect adults and children from the sun. Additionally, a host of public health campaigns have been created, including National Skin Cancer Awareness Month, that warn us about the sun's damaging UV rays and provide guidelines about protecting ourselves. While warnings about the sun's dangers are frequent, a recent survey found that fewer than half of all adults adequately protect themselves from the sun.</p> <p>This paragraph best supports the statement that</p> <p>(a) children are better protected from the sun's dangerous rays than adults</p> <p>(b) sales of sun protection products are at an all-time high</p> <p>(c) adults are not heeding the warnings about the dangers of sun exposure seriously enough</p> <p>(d) more adults have skin cancer now than ever before</p> <p>49. For too long, school cafeterias, in an effort to provide food they thought would be appetizing to young people, mimicked fast-food restaurants, serving items such as burgers and fries, pizza, hot dogs, and fried chicken. School districts nationwide are now addressing this trend by incorporating some simple and inexpensive options that will make cafeteria lunches healthier while still appealing to students.</p> <p>This paragraph best supports the statement that</p> <p>(a) school cafeterias have always emphasized nutritional guidelines over any other considerations</p>
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(b) young people would rather eat in a school cafeteria than a local fast-food restaurant

(c) school lunch menus are becoming healthier due to major new initiatives on the part of school districts

(d) it is possible to make school lunches both healthier and appealing without spending a great deal of money and undertaking a radical transformation

50. Forest fires feed on decades-long accumulations of debris and leap from the tops of young trees into the branches of mature trees. Fires that jump from treetop to treetop can be devastating. In old-growth forests, however, the shade of mature trees keeps thickets of small trees from sprouting, and the lower branches of mature trees are too high to catch the flames.

This paragraph best supports the statement that

(a) forest fire damage is reduced in old-growth forests

(b) small trees should be cut down to prevent forest fires

(c) mature trees should be thinned out to prevent forest fires

(d) forest fires do the most damage in old-growth forests

51. Statement: Should India make efforts to harness solar energy to fulfil its energy requirements?

Arguments:

1. Yes, Most of the energy sources used at present are exhaustible

2. No. Harnessing solar energy requires a lot of capital, which India lacks

(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

52. Statement: Should there be students union in college/university?

Arguments:

1. No. This will create a political atmosphere in the campus

2. Yes, it is very necessary Students are future political leaders

(a) Only argument I is strong

(b) Only argument II is strong

(c) Neither I nor II is strong

(d) Both I and II are strong

53. Statements: Monitoring has become an integral part in the planning of social development programmes. It is recommended that Management Information System be developed for all programmes. This is likely to give a feedback on the performance of the functionaries and the efficacy with which services are being delivered

Conclusions:

1. All the social development programmes should be evaluated

2. There is a need to monitor the performance of workers

(a) Only conclusion I follows

(b) Only conclusion II follows

(c) Either I or II follows

(d) Both I and II follow

Study the following table and answer the questions based on it

Number of Candidates Appeared, Qualified and Scheduled in a Competitive Examination from Five States Delhi, H.P, U.P, Punjab and Haryana Over the Years 1994 to 1998

Year	Delhi			H.P			U.P			Punjab			Haryana		
	App	Qual	Sel	App	Qual	Sel	App	Qual	Sel	App	Qual	Sel	App	Qual	Sel
1997	8000	850	94	7800	810	82	7500	720	78	8200	680	85	6400	700	75
1998	4800	500	48	7500	800	85	5600	620	85	6800	600	70	7100	650	75
1999	7500	640	82	7400	560	70	4800	400	48	6500	525	65	5200	350	55
2000	9500	850	90	8800	920	88	7000	650	70	7800	720	84	6400	540	60
2001	9000	800	70	7200	850	75	8500	950	80	5700	485	60	4500	600	75

Model Test Paper 55
General Study Paper II

54. For which state the average number of candidates selected over the years is the maximum?

- (a) Delhi
- (b) H.P
- (c) U.P
- (d) Punjab

55. The percentage of candidates qualified from Punjab over those appeared from Punjab is highest in the year?

- (a) 1997
- (b) 1998
- (c) 1999
- (d) 2000

56. In the year 1997, which state had the lowest percentage of candidates selected over the candidates appeared?

- (a) Delhi
- (b) H.P
- (c) U.P
- (d) Punjab

57. The number of candidates selected from Haryana during the period under review is approximately what percent of the number selected from Delhi during this period?

- (a) 79.5%
- (b) 81%
- (c) 84.5%
- (d) 88.5%

58. The percentage of candidates selected from U.P over those qualified from U.P is highest in the year?

- (a) 1997
- (b) 1998

(c) 1999

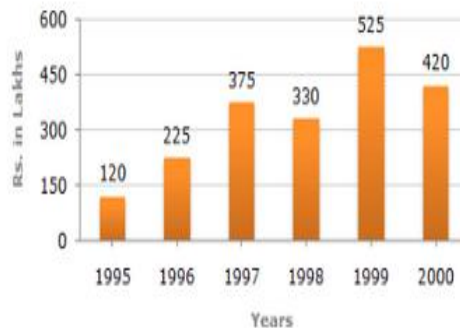
(d) 2001

59. What is the approximate percentage of total number of candidates selected to the total number of candidates qualified for all five stages together during the year 1999?

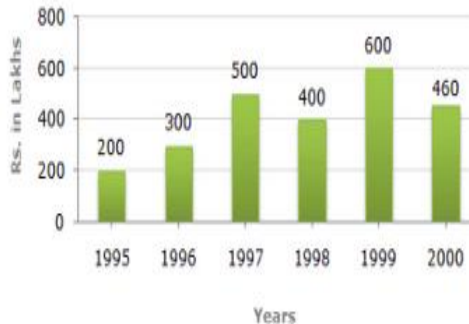
- (a) 10%
- (b) 11%
- (c) 12%
- (d) 13%

Out of the two bar graphs provided below, one shows the amounts (in Lakh Rs. = One Lakh is equal to One Hundred Thousand (100,000)) invested by a Company in purchasing raw materials over the years and the other shows the values (in Lakh Rs. = One Lakh is equal to One Hundred Thousand (100,000)) of finished goods sold by the Company over the years

Amount invested in Raw Materials (Rs. in Lakhs)



Value of Sales of Finished Goods (Rs. in Lakhs)



Model Test Paper 55
General Study Paper II

60. The maximum difference between the amount invested in Raw materials and value of sales of finished goods was during the year?

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

61. The value of sales of finished goods in 1999 was approximately what percent of the sum of amount invested in Raw materials in the years 1997, 1998 and 1999?

- (a) 33%
- (b) 37%
- (c) 45%
- (d) 49%

62. What was the difference between the average amount invested in Raw materials during the given period and the average value of sales of finished goods during this period?

- (a) Rs. 62.5 lakhs
- (b) Rs. 68.5 lakhs
- (c) Rs. 71.5 lakhs
- (d) Rs. 77.5 lakhs

63. In which year, the percentage change (compared to the previous year) in the investment on Raw materials is same as that in the value of sales of finished goods?

- (a) 1996
- (b) 1997
- (c) 1998
- (d) 1999

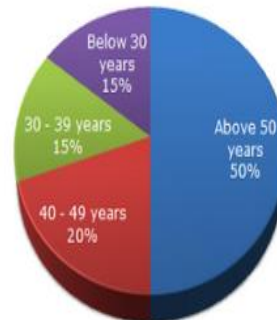
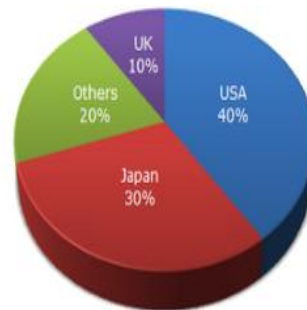
64. In which year, there has been a maximum percentage increase in the amount invested in Raw materials as compared to the year?

- (a) 1996

- (b) 1997
- (c) 1998
- (d) 1999

The following pie charts exhibit the distribution of the overseas tourist traffic from India. The two charts shows the tourist distribution by country and the age profiles of the tourists respectively

Distribution of Overseas Tourist Traffic from India.



65. What percentage of Indian tourists went to either USA or UK ?

- (a) 40%
- (b) 50%
- (c) 60%
- (d) 70%

66. The ratio of the number of Indian tourists that went to USA to the number of Indian tourists who were below 30 years of age is ?

- (a) 2:1

Model Test Paper 55
General Study Paper II

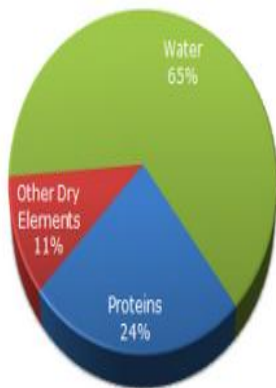
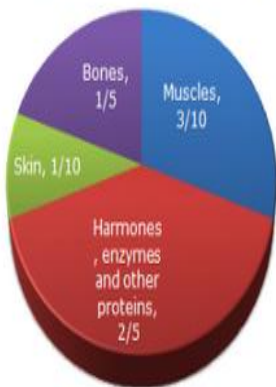
(b) 8:3

(c) 3:8

(d) Cannot be determined

The following pie chart give the information about the distribution of weight in the human body according to different kinds of components. Study the pie charts and answer the question

Distribution of Weight in Human Body



67. What percentage of proteins of the human body is equivalent to the weight of its skin ?

(a) 41.66%

(b) 43.33%

(c) 44.44%

(d) Cannot be determined

68. How much of the human body is neither made of bones or skin ?

(a) 40%

(b) 50%

(c) 60%

(d) 70%

69. What is the ratio of the distribution of proteins in the muscles to that of the distribution of proteins in the bones ?

(a) 2:1

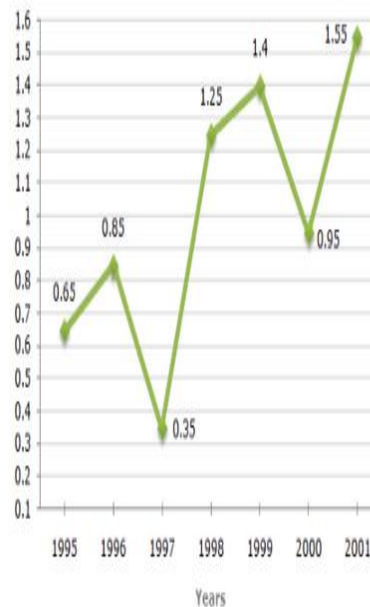
(b) 2:3

(c) 3:2

(d) Cannot be determined

The following line graph gives the ratio of the amounts of imports by a company to the amount of exports from that company over the period from 1995 to 2001

Ratio of Value of Imports to Exports by a Company Over the Years.



Model Test Paper 55
General Study Paper II

70. If the imports in 1998 was Rs. 250 and the total exports in the years 1998 and 1999 together was Rs. 500 then the imports in 1999 was ?

- (a) 250
- (b) 300
- (c) 357
- (d) 420

71. The imports were minimum proportionate to the exports of the company in the year ?

- (a) 1995
- (b) 1996
- (c) 1997
- (d) 2000

72. What was the percentage increase in imports from 1997 to 1998 ?

- (a) 72
- (b) 56
- (c) 28
- (d) Data inadequate

73. If the imports of the company in 1996 was Rs. 2 720 000 000 , the exports from the company in 1996 was ?

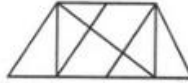
- (a) 3 700 000 000
- (b) 3 200 000 000
- (c) 2 800 000 000
- (d) 2 750 000 000

74. In how many of the given years were the exports more than the imports ?

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

75.

Find the number of triangles in the given figure.



- (a) 8
- (b) 10
- (c) 12
- (d) 14

76.

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



- (a) 16
- (b) 17
- (c) 18
- (d) 19

Model Test Paper 55
General Study Paper II

77.

Find the number of triangles in the given figure.



- (a) 22
- (b) 24
- (c) 26
- (d) 28

78.

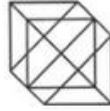
Find the number of triangles in the given figure.



- (a) 12
- (b) 18
- (c) 22
- (d) 26

79.

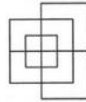
Find the number of triangles in the given figure.



- (a) 18
- (b) 20
- (c) 24
- (d) 27

80.

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



- (a) 13
- (b) 15
- (c) 17
- (d) 19

Model Test Paper 55
General Study Paper II

Answer Sheet

	A	B	C	D		A	B	C	D		A	B	C	D		A	B	C	D
1	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	21	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	41	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	61	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	22	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	42	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	62	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	23	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	43	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	63	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	24	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	44	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	64	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	25	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	45	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	65	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	26	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	46	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	66	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	27	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	47	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	67	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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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"/>
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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"/>