

Model Test Paper 29
General Study Paper II

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

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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<p>Read the following passage and answer the following questions based on it Even in the most primitive societies the great majority of people satisfy a large part of their material needs by exchanging foods and services. Very few people indeed can make for themselves everything they need—all their food, their clothes, their housing, their tools. Ever since men started living in communities, they have been satisfying their needs by means of specialization and exchange; increasingly each individual has concentrated on what he can do best, and has produced more of the special goods or services in which he has concentrated, than he can consume himself. The surplus he has exchanged with other members of the community, acquiring in exchange the things he needs that others have produced.</p> <p>1. Very few people can satisfy their needs today by</p> <p>(a) providing things for themselves (b) exchanging goods and services (c) concentrating on what they can do best (d) individual specialization</p> <p>2. Exchange of goods becomes possible only when</p> <p>(a) there is no specialization (b) the goods are produced in surplus (c) primitive societies become modern (d) individuals make things for themselves</p> <p>3. Specialization and exchange began when men started</p> <p>(a) big industries (b) concentrating on their work (c) producing things for individual use (d) living in communities</p> <p>4. Exchange of goods and services becomes necessary because</p> <p>(a) man is a social animal (b) reciprocity is the law of life (c) trade and commerce are means of progress</p>	<p>(d) we cannot produce everything we need ourselves</p> <p>Read the following passage and answer the following questions based on it</p> <p>I came home from one vacation to find that my brother Ron had brought a dog while I was away. A big burly, choleric dog, he always acted as if he thought I wasn't one of the family. There was a slight advantage in being one the family. For he didn't bite the family as often as he bit strangers. Mother used to send a box of candy every Christmas to the people he bit. The list finally contained forty or more names. Nobody could understand why we didn't get rid of the dog!</p> <p>5. Which of the following description best fits the dog?</p> <p>(a) The dog was tiny and delicate (b) The dog was huge and cool (c) The dog was small and sweet-tempered (d) The dog was sturdy and short tempered</p> <p>6. The dog did not consider the writer as one of the family. What do you think was the consequence of this?</p> <p>(a) The dog barked at him all the time (b) The dog drove him out of his own house (c) The dog behaved with him in an unfriendly way (d) The dog bit him more than he bit others of the family</p> <p>7. The Christmas list contained more than forty names. What does this suggest</p> <p>(a) The writer's mother had a lot of friends (b) The writer's family celebrated Christmas well (c) The writer's dog had bitten at least forty people (d) The writer's mother sent them candy boxes</p> <p>Read the following passage and answer the following questions based on it</p> <p>A little girl was learning a history lesson with her governess. All the morning she had been reading it over and hearing it explained by her governess, but no good came of either the reading or</p>
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<p>teaching. The governess went over the lesson several times, explained the meaning, and for the last time, asked her pupil to read it over. After due time had been given, the girl was examined as to her knowledge of the lesson; but not a single answer could she give correctly. The governess lost patience with her, and threatened to punish her unless she could state where a certain treaty was signed.</p> <p>8. According to the passage, the little girl read the lesson and heard it explained all the morning because</p> <p>(a) The girl did not like her governess (b) The governess could not explain it long enough (c) The girl could not understand it (d) The girl read the lesson only once</p> <p>9. With reference to the passage, consider the following statements</p> <p>1. The governess taught the same lesson several times 2. The governess wanted to complete her teaching work quickly</p> <p>Which of the statements given above is/are correct?</p> <p>(a) 1 only (b) 2 only (c) Both 1 and 2 (d) Neither 1 nor 2</p> <p>10. After reading the whole passage, which of the following impressions do you think correct about the inability of the girl to answer questions correctly?</p> <p>(a) The dullness of the girl (b) The incompetence of the governess (c) The difficulty of the language (d) The lack of time</p> <p>11. Which of the following correctly expresses the meaning of 'lost patience with her'?</p> <p>(a) The inability of the governess to endure further the girl's failure to answer</p>	<p>(b) The governess lost her enthusiasm to teach the girl (c) The governess felt that the girl cannot be taught the lesson (d) The governess felt that she was not good enough to teach the girl</p> <p>Read the following passage and answer the following questions based on it</p> <p>Many doctors flatly refused to believe Jenner when he announced that he had found a preventive against smallpox. They declared vaccination to be a dangerous practice. But the dread of smallpox was in everybody's heart, and people flocked to Jenner to be vaccinated. The Latin word for cow is 'vacca'; it is the root from which the word vaccination was formed. Some of the 'vacca' used by Jenner were not pure and some harms were done; but when supplies of pure vaccine were available, the practice of vaccinating spread all over England and from England to other countries. We hardly hear of outbreaks of smallpox now.</p> <p>12. The passage describes</p> <p>(a) how smallpox can be treated (b) how vaccines were manufactured in England (c) the dangers of vaccination especially for children (d) the gradual acceptance of vaccination as a preventive against smallpox</p> <p>13. Vaccination sometimes proved harmful because</p> <p>(a) Vaccination was a dangerous practice (b) some of the vaccines used were of a poor hygienic standard (c) there are psychological differences between cows and human beings (d) vaccination is given at a very early age</p> <p>14. People hastened to get themselves vaccinated because</p> <p>(a) many doctors supported Jenner's claims</p>
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<p>(b) fear of the terrible disease drove them to take the risk of vaccination</p> <p>(c) supplies of pure vaccine had now become available</p> <p>(d) the practice of vaccinating had spread all over the world</p> <p>15. Vaccination was intended by Jenner to</p> <p>(a) cure people suffering from smallpox</p> <p>(b) delay the death of smallpox victims</p> <p>(c) build up a defence against smallpox germs</p> <p>(d) prevent cows from spreading the disease</p> <p>16. With reference to the passage, consider the following statements</p> <p>1. Many doctors did not believe that Jenner was a doctor</p> <p>2. There are no outbreaks of small pox today</p> <p>Which of the the statements given above is/are correct?</p> <p>(a) 1 only</p> <p>(b) 2 only</p> <p>(c) Both 1 and 2</p> <p>(d) Neither 1 nor 2</p> <p>Read the following passage and answer the following questions based on it</p> <p>There are eccentric people who enjoy saving money for no other reason than the pleasure of saving money. It is a passion like drinking, and a hobby like collecting of china. Does it usually begin with a money-box? Imagine a painter drawing the Miser's Progress in a number of scenes, with the first scene showing a benevolent grandfather holding out a harmless looking tin money-box to an infant scarcely able to walk. The gift should always be accompanied by a box of tools. As ayoung man the infant has grown into a miser. By the age of forty he has a substantial bank account. But he persuades himself that he is so poor that he never goes to the theatre, never invites a friend to dinner. By sixty he is a rich man and is convinced that he is all but a pauper.</p>	<p>17. Some people enjoy saving money because</p> <p>(a) they are able t live a happy life</p> <p>(b) saving is passion with them</p> <p>(c) they are able to enjoy the pleasures of life</p> <p>(d) they can entertain others</p> <p>18. If a money-box is given to a chil, what should accompany it?</p> <p>(a) Tips on the advantages of saving money</p> <p>(b) Guidelines to preserve it</p> <p>(c) Instructions on when and how to open it</p> <p>(d) A box of tools to open it</p> <p>19. A miserly man of forty does not go to the theatre because</p> <p>(a) he has no liking for plays</p> <p>(b) he does not want to waste his valuable time</p> <p>(c) he persuades himself that he is very poor</p> <p>(d) he is frightened by the darkness of the theatre hall</p> <p>Read the following passage and answer the following questions based on it</p> <p>In the fete, for a ticket costing eight annas you stood a chance of acquiring a variety of articles - pin-cusions, sewing machines, cameras or even a road engine. One evening they drew ticket number 1005, and I happened to own the other half of the ticket. They declared that I became the owner of a road engine ! Don't ask me how a road engine came to be included among the prizes. It is more than I can tell you. I looked stunned. People gathered round and gazed at me as if I were some curious animal. 'Fancy anyone becoming the owner of a road engine!' some persons muttered and giggled</p> <p>20. The writer purchased a ticket</p> <p>(a) to win a prize</p> <p>(b) to enter the fete</p> <p>(c) to buy some eatables in the fete</p> <p>(d) to play some games</p>
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<p>21. 'they' in the paragraph stands for</p> <p>(a) the writer's friends</p> <p>(b) the organisers of the fete</p> <p>(c) the stall owners in the fete</p> <p>(d) the onlookers</p> <p>22. The writer was stunned because</p> <p>(a) he did not win a prize</p> <p>(b) he was at a loss as to what to do with the prize</p> <p>(c) people giggled</p> <p>(d) the fete organisers were rude to him</p> <p>Read the following passage and answer the following questions based on it</p> <p>A holiday in Uttarakhand is about supporting the economy and ecology of this fledgling state with your heart, mind and muscle. Being at the camp with your family is a great bonding experience combined with a grand taste of wild life and adventure.</p> <p>First comes the walk from the lakeside to the camp.</p> <p>It's one of the best indicators here to 'figure' out how in or out of shape are you. Anything upwards of 15 minutes means it is time to start taking your body and fitness levels more seriously. To cool off there is always the lake where you can swim or learn how to kayak.</p> <p>23. The word which is used with a double meaning is</p> <p>(a) figure</p> <p>(b) fitness</p> <p>(c) shape</p> <p>(d) indicators</p> <p>24. 'It' in the second paragraph refers to</p> <p>(a) camp</p> <p>(b) lake</p> <p>(c) holiday</p> <p>(d) walk</p>	<p>25. If you take about twenty minutes to walk from the lakeside to the camp it means that you</p> <p>(a) are not healthy enough</p> <p>(b) walk too slowly</p> <p>(c) need practice in walking</p> <p>(d) must get used to the exercise</p> <p>Read the following passage and answer the following questions based on it</p> <p>An astrologer passing through the village called Koopal foretold that Velan would live in a three-storeyed house surrounded by many acres of garden. At this everybody gathered round Velan and made fun of him. For Koopal did not have a more ragged and God-forsaken family than Velan's. His father had mortgaged every bit of property he had and worked with his whole family on other people's lands in return for a few annas a week. A three-storeyed house for Velan indeed!.... But those who made fun of him would have congratulated the astrologer if they had seen Velan about thirty or forty years later. He became the sole occupant of "Kumar Baugh" - that palatial house on the outskirts of Malgudi town.</p> <p>26. The astrologer</p> <p>(a) visited the village</p> <p>(b) belonged to the village</p> <p>(c) happened to pass through the village</p> <p>(d) was invited by the villagers</p> <p>27. The village where Velan lived was</p> <p>(a) Malgudi</p> <p>(b) Koopal</p> <p>(c) Kumar Baugh</p> <p>(d) None of the above</p> <p>28. Everybody made fun of the forecast because</p> <p>(a) Velan was too small to be the owner of the three-storeyed building</p> <p>(b) Velan was a funny character</p>
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<p>(c) In the present situation it was unbelievable</p> <p>(d) his father had mortgaged the house</p> <p>29. The villagers would have congratulated the astrologer because</p> <p>(a) he indeed became the owner of the palatial house</p> <p>(b) he could change the fete of the Velan</p> <p>(c) his forecast turned out to be a reality</p> <p>(d) he was a man of great knowledge</p> <p>Read the following passage and answer the following questions based on it</p> <p>I had undertaken this perilous swim, not to gain fame or trophies but to prove to the world that Indians are no longer afraid. To the youth of India this triumph would dramatically demonstrate that nothing is impossible for them. All they have to do is to believe and persevere, and the goal will be theirs ! For it is my firm conviction that unless we individually become adventurous and nationally restless and enterprising, India will not be able to break the bonds of apathy and tradition, whether on the physical or on the intellectual fronts. My Indian Ocean venture was a humble contribution towards this end.</p> <p>30. The passage suggests that the author is a</p> <p>(a) politician</p> <p>(b) writer</p> <p>(c) teacher</p> <p>(d) famous swimmer</p> <p>31. The author swam because he wanted</p> <p>(a) to become famous</p> <p>(b) to win awards</p> <p>(c) the young Indians to swim like him</p> <p>(d) the world to know that the modern Indians are fearless</p> <p>32. To become winners, the author says the Indian youth must become</p> <p>(a) richer</p>	<p>(b) persevering</p> <p>(c) restless</p> <p>(d) emotional</p> <p>33. The expression 'perilous swim' means</p> <p>(a) painful</p> <p>(b) useless swim</p> <p>(c) risky swim</p> <p>(d) interesting swim</p> <p>Read the following passage and answer the following questions based on it</p> <p>"Let us laugh," says, W. Mathews, "it is the cheapest luxury man enjoys. It stirs up the blood, expands the chest, clears away the cobwebs from the brain and gives the whole system a healthy treatment." So is it nice to laugh a lot? It is said, "Laughter is the best medicine." For those who dislike medicine, sweet or bitter, a good joke that provokes laughter is prescribed. It is nice to have a good laugh but a "guffaw" may sometime lock one's jaws and so it is suggested that those who enjoy a loud guffaw go slow and subside into a gurgle but the best thing is, as done in Hon'ble courts before Hon'ble Judges, just titter. And finally, I feel that I should smile, laugh heartily (without the predicament of lockjaw) and be able to enjoy all jokes including ones directed at myself. But never making a laughing stock of myself in the process. Let us remember the wise saying, "He is not laughed at that laughs at himself."</p> <p>34. It is said that laughter is the best medicine because</p> <p>(a) it is the cheapest luxury man enjoys</p> <p>(b) it is available free of cost</p> <p>(c) it is cheaper whereas medicines in the shops are costly</p> <p>(d) it provides better treatment than costly medicines</p> <p>35. The writer says he would never make a laughing stock of himself. It means he should not</p> <p>(a) let others ridicule him</p> <p>(b) show disrespect to Judges</p>
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<p>(c) laugh but simply smile at others</p> <p>(d) let others laugh</p> <p>36. The writer feels laughter is to be prescribed to those who</p> <p>(a) are seriously ill</p> <p>(b) dislike medicines</p> <p>(c) cannot buy medicines</p> <p>(d) do not need medicines</p> <p>37. By quoting a wise saying in the last line the writer</p> <p>(a) reiterates the going that laughter is the best medicine for us</p> <p>(b) guides us about what we should do from being laughed at</p> <p>(c) cautions us as to how we should conduct ourselves in the Hon'ble Courts</p> <p>(d) censures those who cannot laugh at themselves</p> <p>38. A can lay railway track between two given stations in 16 days and B can do the same job in 12 days. With the help of C, they did the job in 4 days only. Then, C alone can do the job in</p> <p>(a) $9\frac{1}{5}$ days</p> <p>(b) $9\frac{2}{5}$ days</p> <p>(c) $9\frac{3}{5}$ days</p> <p>(d) 10 days</p> <p>39. If m and n are whole numbers such that $mn = 121$, then the value of $(m - 1)n + 1$ is</p> <p>(a) 1</p> <p>(b) 10</p> <p>(c) 121</p> <p>(d) 1000</p> <p>40. Which of the following most logically completes the argument below? When malaria rates in a tropical country are high, drug</p>	<p>companies reduce the cost of many kinds of anti-parasite medications. The reason is that drug companies want to take in as much money as possible in medication sales so that they can invest the money into research for more profitable drugs. Anti-parasite drug cost reductions are likely to achieve this objective since _____.</p> <p>(a) when prices decrease, more companies enter the market with competing anti-parasite drugs</p> <p>(b) drug companies that spend a smaller percentage of revenues on research are unable to take advantage of anti-parasite drug cost reductions for this reason</p> <p>(c) many more people will purchase anti-parasite medications if the price is lower than if the price remained the same</p> <p>(d) an increase in the number of anti-parasite drugs sold raises the likelihood that some species of parasite will mutate so that the drug is not effective against it</p> <p>41. For all even integers n, h(n) is defined to be the sum of the even integers between 2 and n, inclusive. What is the value of $h(18)/h(10)$?</p> <p>(a) 1.8</p> <p>(b) 3</p> <p>(c) 6</p> <p>(d) 18</p> <p>42. If $f * g = f/g + (f - g)/2$ for all integers f and g, then $6 * (-3) =$</p> <p>(a) 6.5</p> <p>(b) 2.5</p> <p>(c) -0.5</p> <p>(d) -2.5</p> <p>43. Is the number y between 0.3 and 0.6 ?</p> <p>(1) $640y < 320$</p> <p>(2) $800y > 320$</p> <p>(a) Statement (1) ALONE is sufficient, but statement (2) alone is not sufficient.</p> <p>(b) Statement (2) ALONE is sufficient, but statement (1) alone is not sufficient.</p>
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<p>(c) BOTH statements TOGETHER are sufficient, but NEITHER statement ALONE is sufficient.</p> <p>(d) EACH statement ALONE is sufficient.</p> <p>44. Healthcare analyst: Consumers should avoid purchasing low-cost insurance plans from a certain health insurance company that has been touted as a resource for those who need to reduce the cost of their monthly premiums. Although the low-cost insurance plan, which costs up to fifty percent less than other insurance plans, has short-term financial benefits, it does have a serious drawback: it does not cover brand-name drugs, thereby costing consumers as much as several hundred dollars per month. In evaluating the columnist's position, it would be most useful for a consumer to determine which of the following?</p> <p>(a) Whether the reduction in the cost of monthly premiums is likely to be greater than the monthly cost of brand-name drugs</p> <p>(b) Whether the low-cost insurance plan covers medical procedures that require supplemental use of brand-name drugs</p> <p>(c) Whether low-cost insurance plans offer consumers the same choice of physicians that higher-cost plans offer</p> <p>(d) Whether the low-cost insurance plan covers the cost of generic alternatives to brand-name drugs</p> <p>45. $A = \{2, 4, 6, 8\}$ $B = \{2, 4, 6, 8, 12\}$</p> <p>Two integers will be randomly selected from the sets above, one integer from set A and one integer from set B. What is the probability that the product of the two integers will equal 24?</p> <p>(a) 0.10</p> <p>(b) 0.15</p> <p>(c) 0.20</p> <p>(d) 0.25</p> <p>46. Vivian paid a sales tax of 6 percent on her purchase. If the sales tax had been 8 percent, she would have paid \$7 more. What was the total amount Vivian paid for her purchase, including sales tax?</p> <p>(a) \$350</p>	<p>(b) \$371</p> <p>(c) \$378</p> <p>(d) \$385</p> <p>47. Is $ax = 6 - bx$?</p> <p>(1) $a = b$</p> <p>(2) $2ax = 6$</p> <p>(a) Statement (1) ALONE is sufficient, but statement (2) alone is not sufficient.</p> <p>(b) Statement (2) ALONE is sufficient, but statement (1) alone is not sufficient.</p> <p>(c) BOTH statements TOGETHER are sufficient, but NEITHER statement ALONE is sufficient.</p> <p>(d) EACH statement ALONE is sufficient.</p> <p>48. Jonathan: Have you heard about this new proposed development project? They want to build a 950-unit apartment complex along the waterfront. That means that over 1,000 additional vehicles will be passing through the main downtown intersection each day, which will increase fumes and congestion to unacceptable levels.</p> <p>Daria: Is that really such a large increase? When I'm sitting at the downtown coffee shop, I see at least 50 vehicles go through that intersection every time the light changes. Assuming the light changes every three minutes, that's 1,000 vehicles passing through every hour.</p> <p>Daria's argument relies on the assumption that</p> <p>(a) changes in the traffic light patterns could mitigate the effect of the development</p> <p>(b) the traffic at the time of day Daria sits at the coffee shop represents a typical level</p> <p>(c) residents of apartment complexes usually own at least one car per apartment</p> <p>(d) Jonathan's understanding of the impact of fumes and congestion on the quality of life downtown is reasonably accurate</p> <p>49. A certain bookstore sold 2,000 bookmarks at \$1 each and 200 books at \$10 each. If the bookstore's total cost for the bookmarks and books was \$1,000, what was the bookstore's total gross profit on these items?</p>
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<p>(a) \$1,000 (b) \$2,000 (c) \$3,000 (d) \$4,000</p> <p>50. A certain juice manufacturer increased the number of ounces in Product N by 25 percent but did not change the price. What was the resulting percent decrease in the price per ounce of Product N?</p> <p>(a) 10% (b) 20% (c) 25% (d) 30%</p> <p>51. At Oliveri's candy store, Brand X chocolate is sold by the ounce and Brand Y ice cream is sold by the pint. Excluding sales tax, what is the total cost for 3 ounces of Brand X chocolate and 1 pint of Brand Y ice cream?</p> <p>(1) Excluding sales tax, the total cost for 12 ounces of Brand X chocolate and 4 pints of Brand Y ice cream is \$43.00. (2) Excluding sales tax, the total cost for 4 ounces of Brand X chocolate and 4 pints of Brand Y ice cream is \$21.00.</p> <p>(a) Statement (1) ALONE is sufficient, but statement (2) alone is not sufficient. (b) Statement (2) ALONE is sufficient, but statement (1) alone is not sufficient. (c) BOTH statements TOGETHER are sufficient, but NEITHER statement ALONE is sufficient. (d) EACH statement ALONE is sufficient.</p> <p>52. Commensalism is any relationship between two living things in which one benefits and the other is neither helped nor harmed. Oxpecker birds are commensal species that flock with the large mammals of the African Savannah. They feed on ticks, fleas, and flies that are attracted to the mammals' fur.</p> <p>Which of the following, if true, can most reasonably be inferred from the statements above?</p>	<p>(a) Oxpecker birds are neither helped nor harmed by the large mammals of the African Savannah. (b) Ticks, fleas, and flies are commensal species in their relationship with both oxpecker birds and the large mammals of the African Savannah. (c) No species exist in a commensal relationship with oxpecker birds except for large mammals of the African Savannah. (d) Preying on small creatures drawn to the fur of the large mammals of the African Savannah does not significantly affect those mammals.</p> <p>53. Exactly two sides of a certain 10-sided die are red. What is the probability that Kumar rolls the die 3 times and the die lands with a red side up for the first time on the third roll?</p> <p>(a) 0.032 (b) 0.064 (c) 0.128 (d) 0.200</p> <p>54. A tennis marker is trying to put together a team of four players for a tennis tournament out of seven available. males - a, b and c; females - m, n, o and p. All players are of equal ability and there must be at least two males in the team. For a team of four, all players must be able to play with each other under the following restrictions: b should not play with m, c should not play with p, and a should not play with o. Which of the following statements must be false?</p> <p>(a) b and p cannot be selected together (b) c and o cannot be selected together (c) c and n cannot be selected together (d) c and p cannot be selected together</p> <p>55. A man bought a horse and a cart. If he sold the horse at 10 % loss and the cart at 20 % gain, he would not lose anything; but if he sold the horse at 5% loss and the cart at 5% gain, he would lose Rs. 10 in the bargain. The amount paid by him was Rs.- _____ for the horse and Rs. _____ for the cart.</p> <p>(a) Cost price of horse = Rs. 200 & the cost price of cart = 200</p>
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<p>(b) Cost price of horse = Rs. 400 & the cost price of cart = 400</p> <p>(c) Cost price of horse = Rs. 400 & the cost price of cart = 200</p> <p>(d) Cost price of horse = Rs. 200 & the cost price of cart = 400</p> <p>56. what is a percent of b divided by b percent of a?</p> <p>(a) a</p> <p>(b) b</p> <p>(c) 100</p> <p>(d) 1</p> <p>57. A contractor agreeing to finish a work in 150 days, employed 75 men each working 8 hours daily. After 90 days, only $\frac{2}{7}$ of the work was completed. Increasing the number of men by _____ each working now for 10 hours daily, the work can be completed in time.</p> <p>(a) 50</p> <p>(b) 100</p> <p>(c) 150</p> <p>(d) 225</p> <p>58. A man was engaged on a job for 30 days on the condition that he would get a wage of Rs. 10 for the day he works, but he have to pay a fine of Rs. 2 for each day of his absence. If he gets Rs. 216 at the end, he was absent for work for ... days.</p> <p>(a) 3</p> <p>(b) 5</p> <p>(c) 7</p> <p>(d) 10</p> <p>59. A dishonest shopkeeper professes to sell pulses at the cost price, but he uses a false weight of 950gm. for a kg. His gain is ____%.</p> <p>(a) 5%</p> <p>(b) 5.1%</p> <p>(c) 5.2%</p>	<p>(d) 5.3%</p> <p>60. A student divided a number by $\frac{2}{3}$ when he required to multiply by $\frac{3}{2}$. Calculate the percentage of error in his result.</p> <p>(a) 0%</p> <p>(b) 1%</p> <p>(c) 50%</p> <p>(d) 100%</p> <p>61. It was calculated that 75 men could complete a piece of work in 20 days. When work was scheduled to commence, it was found necessary to send 25 men to another project. How much longer will it take to complete the work?</p> <p>(a) 20</p> <p>(b) 30</p> <p>(c) 40</p> <p>(d) 50</p> <p>62. It takes Mr. Karthik y hours to complete typing a manuscript. After 2 hours, he was called away. What fractional part of the assignment was left incomplete?</p> <p>(a) $\frac{(y - 2)}{y}$</p> <p>(b) $\frac{(y - 2)}{2}$</p> <p>(c) $\frac{(2 - y)}{y}$</p> <p>(d) $\frac{(2 - y)}{2}$</p> <p>63. The length of the side of a square is represented by $x+2$. The length of the side of an equilateral triangle is $2x$. If the square and the equilateral triangle have equal perimeter, then the value of x is _____.</p> <p>(a) 2</p> <p>(b) 4</p> <p>(c) 6</p> <p>(d) 8</p>
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<p>64. If every alternative letter starting from B of the English alphabet is written in small letter, rest all are written in capital letters, how the month "September" be written.</p> <p>(a) SeptEMbEr (b) SEpTeMBER (c) September (d) None of the above</p> <p>65. If point P is on line segment AB, then which of the following is always true?</p> <p>(a) AP = PB (b) AP > PB (c) PB > AP (d) AB > AP</p> <p>66. If a light flashes every 6 seconds, how many times will it flash in $\frac{3}{4}$ of an hour?</p> <p>(a) 440 (b) 450 (c) 451 (d) 452</p> <p>67. Five boys were climbing a hill. J was following H. R was just ahead of G. K was between G & H. They were climbing up in a column. Who was the second?</p> <p>(a) G (b) H (c) J (d) R</p> <p>68. Five farmers have 7, 9, 11, 13 & 14 apple trees, respectively in their orchards. Last year, each of them discovered that every tree in their own orchard bore exactly the same number of apples. Further, if the third farmer gives one apple to the first, and the fifth gives three to each of the second and the fourth, they would all have exactly the same number of apples. What were the yields per tree in the orchards of the third and fourth farmers?</p>	<p>(a) 9 & 11 apples per tree (b) 11 & 9 apples per tree (c) 11 & 11 apples per tree (d) 12 & 10 apples per tree</p> <p>69. A man bought a horse and a cart. If he sold the horse at 10 % loss and the cart at 20 % gain, he would not lose anything; but if he sold the horse at 5% loss and the cart at 5% gain, he would lose Rs. 10 in the bargain. The amount paid by him was Rs.- _____ for the horse and Rs. _____ for the cart.</p> <p>(a) Cost price of horse: Rs. 200 & Cost price of cart: Rs. 200 (b) Cost price of horse: Rs. 400 & Cost price of cart: Rs. 200 (c) Cost price of horse: Rs. 400 & Cost price of cart: Rs. 400 (d) Cost price of horse: Rs. 400 & Cost price of cart: Rs. 600</p> <p>70. There are 3 persons Sudhir, Arvind, and Gauri. Sudhir lent cars to Arvind and Gauri as many as they had already. After some time Arvind gave as many cars to Sudhir and Gauri as many as they have. After sometime Gauri did the same thing. At the end of this transaction each one of them had 24. Find the cars each originally had.</p> <p>(a) Sudhir had 21 cars, Arvind had 39 cars and Gauri had 12 cars (b) Sudhir had 39 cars, Arvind had 12 cars and Gauri had 21 cars (c) Sudhir had 12 cars, Arvind had 21 cars and Gauri had 39 cars (d) Sudhir had 39 cars, Arvind had 21 cars and Gauri had 12 cars</p> <p>71. The number that does not have a reciprocal is _____</p> <p>(a) 0 (b) 1 (c) 0 and 1 (d) None of the above</p>
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<p>72. Divide 45 into four parts such that when 2 is added to the first part, 2 is subtracted from the second part, 2 is multiplied by the third part and the fourth part is divided by two, all result in the same number.</p> <p>(a) 8, 12, 5, 20 (b) 9, 12, 6, 20 (c) 8, 12, 10, 15 (d) 6, 16, 5, 18</p> <p>73. How big will an angle of one and a half degree look through a glass that magnifies things three times?</p> <p>(a) $1\frac{3}{2}$ degrees (b) $3\frac{1}{2}$ degrees (c) $3\frac{3}{2}$ degrees (d) $1\frac{1}{2}$ degrees</p> <p>74. If time at this moment is 9 P.M., what will be the time 23999999992 hours later?</p> <p>(a) 1 A.M. (b) 1 P.M. (c) 2 P.M. (d) 6 P.M.</p> <p>75. Diophantus passed one sixth of his life in childhood, one twelfth in youth, and one seventh more as a bachelor; five years after his marriage a son was born who died four years before his father at half his final age. How old is Diophantus?</p> <p>(a) 82 years (b) 83 years (c) 84 years (d) 96 years</p> <p>76. A cylindrical container has a radius of eight inches with a height of three inches. Compute how many inches should be added to either the radius or height to give the same increase in volume?</p> <p>(a) $12\frac{2}{3}$ inches</p>	<p>(b) $14\frac{2}{3}$ inches (c) $15\frac{2}{3}$ inches (d) $16\frac{2}{3}$ inches</p> <p>77. A rectangular plate with length 8 inches, breadth 11 inches and thickness 2 inches is available. What is the length of the circular rod with diameter 8 inches and equal to the volume of the rectangular plate?</p> <p>(a) 2.5 inches (b) 3.5 inches (c) 4.5 inches (d) 5.5 inches</p> <p>78. I drove 60 km at 30 kmph and then an additional 60 km at 50 kmph. Compute my average speed over my 120 km</p> <p>(a) $34\frac{1}{2}$ (b) $35\frac{1}{2}$ (c) $36\frac{1}{2}$ (d) $37\frac{1}{2}$</p> <p>79. Ram completes 60% of a task in 15 days and then takes the help of Rahim and Rachel. Rahim is 50% as efficient as Ram is and Rachel is 50% as efficient as Rahim is. In how many more days will they complete the work?</p> <p>(a) $13\frac{1}{3}$ (b) $8\frac{1}{3}$ (c) $5\frac{5}{7}$ (d) $7\frac{5}{7}$</p>
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80. A tank is fitted with 8 pipes, some of them that fill the tank and others that are waste pipe meant to empty the tank. Each of the pipes that fill the tank can fill it in 8 hours, while each of those that empty the tank can empty it in 6 hours. If all the pipes are kept open when the tank is full, it will take exactly 6 hours for the tank to empty. How many of these are fill pipes?

- (a) 2
- (b) 4
- (c) 6
- (d) 10

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Answer Sheet

	A	B	C	D		A	B	C	D		A	B	C	D		A	B	C	D
1	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	21	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	41	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	61	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	22	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	42	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	62	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	23	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	43	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	63	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	24	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	44	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	64	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	25	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	45	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	65	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	26	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	46	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	66	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	27	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	47	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	67	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	28	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	48	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	68	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	29	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	49	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	69	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
10	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	30	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	50	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	70	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
11	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	31	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	51	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	71	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
12	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	32	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	52	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	72	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
13	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	33	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	53	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	73	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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"/>