|  |  |
| --- | --- |
| Question | **The calendar for the year 2025 is same for** |
| Type | multiple-choice |
| Option | 2029 |
| Option | 2030 |
| Option | 2031 |
| Option | 2033 |
| Answer | 3 |
| Solution |  |
| Positive Marks | 2.6 |
| Negative Marks | 0.83 |

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| --- | --- |
| Question | Let p, q, r and s be distinct positive integers. Let p, q be odd and r, s be even.  Consider the following statements :   1. (p – r)2(qs) is even. 2. (q – s)q2s is even. 3. (q + r)2(p + s) is odd.   Which of the statements given above are correct ? |
| Type | multiple-choice |
| Option | 1 and 2 only |
| Option | 2 and 3 only |
| Option | 1 and 3 only |
| Option | 1, 2 and 3 |
| Answer | 4 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

|  |  |
| --- | --- |
| Question | What is the angle between the minute hand and hour hand when the clock shows 4:25 hours ? |
| Type | multiple-choice |
| Option | 12.5° |
| Option | 15° |
| Option | 17.5° |
| Option | 20° |
| Answer | 3 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

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| --- | --- |
| Question | Directions for the following 4 (four) items :  Read the following two passages and answer the items that follow the passages. Your answers to these items should be based on the passages only.  Passage – 1  Conventional classrooms, by emphasizing fixed duration over learning effectiveness, resign themselves to variable outcomes. The tyranny of the classroom is that every learner is subjected to the same set of lectures in the same way for the same duration. In the end, a few learners shine, some survive, and the rest are left behind. After the fixed duration, the classroom model moves on, with not a thought spared for those left behind. This is how we end up with 10 percent employability in our graduates after a decade and half of formal education. Repeating the same ineffectual script in the realm of skill education will not produce different results.  Which of the following statements best reflects/reflect the most logical and rational inference/inferences that can be made from the passage ?   1. In conventional classroom learning, the central goal is duration of learning rather than attainment of competency. 2. Conventional classrooms encourage one-size-fits-all approach and stamp out all differentiation.   Select the correct answer using the code given below. |
| Type | multiple-choice |
| Option | 1 only |
| Option | 2 only |
| Option | Both 1 and 2 |
| Option | Neither 1 nor 2 |
| Answer | 3 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |
| Question | Passage – 1  Conventional classrooms, by emphasizing fixed duration over learning effectiveness, resign themselves to variable outcomes. The tyranny of the classroom is that every learner is subjected to the same set of lectures in the same way for the same duration. In the end, a few learners shine, some survive, and the rest are left behind. After the fixed duration, the classroom model moves on, with not a thought spared for those left behind. This is how we end up with 10 percent employability in our graduates after a decade and half of formal education. Repeating the same ineffectual script in the realm of skill education will not produce different results.  Based on the above passage, the following assumptions have been made :   1. As a large number of workers in our country are employed in unorganized sector, India does not need to change its present conventional classroom system of education. 2. Even with its present conventional classroom system of education, India produces sufficient number of skilled workers to fully realize the benefits of demographic dividend.   Which of the assumptions given above is/are valid ? |
| Type | multiple-choice |
| Option | 1 only |
| Option | 2 only |
| Option | Both 1 and 2 |
| Option | Neither 1 nor 2 |
| Answer | 4 |
| Solution | Government bonds are generally considered safer due to backing by the government, offering stability but lower yields. Corporate bonds, on the other hand, often provide higher yields but come with relatively higher risk as they depend on the issuing company's financial health. |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

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| --- | --- |
| Question | Passage – 1  Conventional classrooms, by emphasizing fixed duration over learning effectiveness, resign themselves to variable outcomes. The tyranny of the classroom is that every learner is subjected to the same set of lectures in the same way for the same duration. In the end, a few learners shine, some survive, and the rest are left behind. After the fixed duration, the classroom model moves on, with not a thought spared for those left behind. This is how we end up with 10 percent employability in our graduates after a decade and half of formal education. Repeating the same ineffectual script in the realm of skill education will not produce different results.  Based on the above passage, the following assumptions have been made :   1. As a large number of workers in our country are employed in unorganized sector, India does not need to change its present conventional classroom system of education. 2. Even with its present conventional classroom system of education, India produces sufficient number of skilled workers to fully realize the benefits of demographic dividend.   Which of the assumptions given above is/are valid ? |
| Type | multiple-choice |
| Option | 1 only |
| Option | 2 only |
| Option | Both 1 and 2 |
| Option | Neither 1 nor 2 |
| Answer | 4 |
| Solution | Government bonds are generally considered safer due to backing by the government, offering stability but lower yields. Corporate bonds, on the other hand, often provide higher yields but come with relatively higher risk as they depend on the issuing company's financial health. |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

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| --- | --- |
| Question | Passage – 2  When a child reaches adolescence, there is apt to be a conflict between the parents and the child, since the latter considers himself to be by now quite capable of managing his own affairs, while the former are filled with parental solicitude, which is often a disguise for love of power. Parents consider, usually, that the various moral problems which arise in adolescence are peculiarly their province. The options they express, however, are so dogmatic that the young seldom confide in them, and usually go their own way in secret.  Based on the above passage, the following assumptions have been made :   1. The adolescent does not feel comfortable with his parents because they tend to be dominating and assertive. 2. The adolescent of modern times does not have much respect for parents.   Which of the assumptions given above is/are valid ? |
| Type | multiple-choice |
| Option | 1 only |
| Option | 2 only |
| Option | Both 1 and 2 |
| Option | Neither 1 nor 2 |
| Answer | 1 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

|  |  |
| --- | --- |
| Question | Passage – 2  When a child reaches adolescence, there is apt to be a conflict between the parents and the child, since the latter considers himself to be by now quite capable of managing his own affairs, while the former are filled with parental solicitude, which is often a disguise for love of power. Parents consider, usually, that the various moral problems which arise in adolescence are peculiarly their province. The options they express, however, are so dogmatic that the young seldom confide in them, and usually go their own way in secret.  Which one of the following statements best reflects the central idea of the above passage ? |
| Type | multiple-choice |
| Option | Parents in general may not be of much help when children are on their way to becoming adults. |
| Option | When children reach adolescence, involvement of parents in their lives is unnecessary. |
| Option | Modern-day nuclear families are not capable of bringing up children properly. |
| Option | In modern societies, adolescents tend to be stubborn, disobedient and careless. |
| Answer | 1 |
| Solution |  |
| Positive Marks | 2 |
| Negative Marks | 0.67 |

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| --- | --- |
| Question | Consider the following materials:  1. Agricultural residues  2. Corn grain  3. Wastewater treatment sludge  4. Wood mill waste  Which of the above can be used as feedstock for producing Sustainable Aviation Fuel? |
| Type | multiple-choice |
| Option | 1 and 2 only |
| Option | 3 and 4 only |
| Option | 1, 2, 3 and 4 |
| Option | 1,3 and 4 only |
| Answer | 3 |
| Solution | Sustainable Aviation Fuel is integral to the strategy adopted by the aviation industry to go net-zero by 2050. It is essentially a biofuel, and biofuels can be produced by all the above feedstocks as all of them have organic content. |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

|  |  |
| --- | --- |
| Question | What is the number of fives used in numbering a 260-page book ? |
| Type | multiple-choice |
| Option | 55 |
| Option | 56 |
| Option | 57 |
| Option | 60 |
| Answer | 2 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

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| --- | --- |
| Question | What is the sum of the first 28 terms in the following sequence ? 1, 1, 2, 1, 3, 2, 1, 4, 3, 2, 1, 5, 4, 3, 2, … |
| Type | multiple-choice |
| Option | 83 |
| Option | 84 |
| Option | 85 |
| Option | 86 |
| Answer | 2 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

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| --- | --- |
| Question | A person buys three articles P, Q and R for Rs. 3,330. If P costs 25% more than R and R costs 20% more than Q, then what is the cost of P ? |
| Type | multiple-choice |
| Option | Rs. 1,000 |
| Option | Rs. 1,200 |
| Option | Rs. 1,250 |
| Option | Rs. 1,350 |
| Answer | 4 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

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| --- | --- |
| Question | If the sum of the two-digit numbers AB and CD is the three-digit number 1CE, where the letters A, B, C, D, E denote distinct digits, then what is the value of A ? |
| Type | multiple-choice |
| Option | 9 |
| Option | 8 |
| Option | 7 |
| Option | Cannot be determined due to insufficient data |
| Answer | 1 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

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| --- | --- |
| Question | Three numbers x, y, z are selected from the set of the first seven natural numbers such that x > 2y > 3z. How many such distinct triplets (x, y, z) are possible ? |
| Type | multiple-choice |
| Option | One triplet |
| Option | Two triplets |
| Option | Three triplets |
| Option | Four triplets |
| Answer | 4 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

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| --- | --- |
| Question | The total cost of 4 oranges, 6 mangoes and 8 apples is equal to twice the total cost of 1 orange, 2 mangoes and 5 apples.  Consider the following statements :   1. The total cost of 3 oranges, 5 mangoes and 9 apples is equal to the total cost of 4 oranges, 6 mangoes and 8 apples. 2. The total cost of one orange and one mango is equal to the cost of one apple.   Which of the statements given above is/ are correct ? |
| Type | multiple-choice |
| Option | 1 only |
| Option | 2 only |
| Option | Both 1 and 2 |
| Option | Neither 1 nor 2 |
| Answer | 3 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

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| --- | --- |
| Question | Directions for the following 3 (three) items :  Read the following three passages and answer the items that follow the passages. Your answers to these items should be based on the passages only.  Passage – 1  When an international team of scientists pumped a carbon dioxide and water mix into underground basalt rocks, basic chemistry took over. The acidic mixture dissolved rocks’ calcium and magnesium and formed limestone. Basically, carbon dioxide is converted into stone, exclaimed the scientists.  Which one of the following statements best reflects the most logical, rational and practical suggestion implied by the passage ? |
| Type | multiple-choice |
| Option | It is a cheap and practical method to produce limestone at commercial level for building purposes. |
| Option | This can be used as one of the methods of carbon sequestration. |
| Option | Basalt rock can be made a good source of calcium and magnesium minerals by this method. |
| Option | Good rock-dissolving acid can be produced by mixing carbon dioxide and water. |
| Answer | 2 |
| Solution |  |
| Positive Marks | 2.2 |
| Negative Marks | 0.83 |

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| --- | --- |
| Question | Passage – 2  Geographers analyzed 175 satellite images of ocean colour, which is an indicator of phytoplankton productivity at the ocean’s surface, and found that giant icebergs are responsible for storing up to 20 percent of carbon in the Southern Ocean. The researchers discovered that melting water from giant icebergs which contains iron and other nutrients, supports hitherto unexpectedly high levels of phytoplankton growth.  Based on the above passage, the following assumptions have been made :   1. Giant icebergs have a bearing on primary productivity and food chains of the Southern Ocean. 2. Melting of giant icebergs can produce climate change effects and impact world fisheries.   Which of the assumptions given above is/are valid ? |
| Type | multiple-choice |
| Option | 1 only |
| Option | 2 only |
| Option | Both 1 and 2 |
| Option | Neither 1 nor 2 |
| Answer | 1 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

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| --- | --- |
| Question | Passage – 3  Evolution has endowed caterpillars that feed on corn with a unique ability, they can induce the plant to turn off its defence against insect predators. This helps caterpillars to eat more and grow faster. The agent that causes this effect is the caterpillar's faeces or frass. The find could throw new light on compounds associated with plant response to pathogens like fungi or bacteria.  Which one of the following statements best reflects the most logical, rational and practical message conveyed by the passage ? |
| Type | multiple-choice |
| Option | Farmers can use caterpillars to feed on weeds in their crop fields/ plantations. |
| Option | This finding can help in the development of clinically useful antimicrobial compounds. |
| Option | This finding can help in the development of organic, ecologically sustainable pesticides. |
| Option | Caterpillars can be genetically modified to be predators of the other plant pests. |
| Answer | 3 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

|  |  |
| --- | --- |
| Question | 325 + 227 is divisible by |
| Type | multiple-choice |
| Option | 3 |
| Option | 7 |
| Option | 10 |
| Option | 11 |
| Answer | 3 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

|  |  |
| --- | --- |
| Question | Let p and q be positive integers satisfying p < q and p + q = k. What is the smallest value of k that does not determine p and q uniquely ? |
| Type | multiple-choice |
| Option | 3 |
| Option | 4 |
| Option | 5 |
| Option | 6 |
| Answer | 3 |
| Solution |  |
| Positive Marks | 2 |
| Negative Marks | 0.67 |

|  |  |
| --- | --- |
| Question | Consider the following statements " :  1. There are no parables in Upanishads.  2. Upanishads were composed earlier than the Puranas.  Which of the statements given above is/are correct ? |
| Type | multiple-choice |
| Option | l only |
| Option | 2 only |
| Option | Both l and 2 |
| Option | Neither 1 nor 2 |
| Answer | 2 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

|  |  |
| --- | --- |
| Question | A person walks 100 m straight from his house, turn left and walks 100 m, again turns left and walks 300 m, then turns right and walks 100 m to reach his office. In which direction does he walk initially from his house if his office is exactly in the North-East direction ? |
| Type | multiple-choice |
| Option | North-West |
| Option | West |
| Option | South |
| Option | South-West |
| Answer | 3 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

|  |  |
| --- | --- |
| Question | A person walks 100 m Westward, then turns left and walks 100 m. He then takes 225° turn clockwise. In which direction is he walking now ? |
| Type | multiple-choice |
| Option | South-West |
| Option | South-East |
| Option | North-West |
| Option | North-East |
| Answer | 4 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

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| --- | --- |
| Question | A Statement is given followed by two Conclusions number 1 and 2. Consider the Statement and the Conclusions.  Statement: India is the world’s largest producer of milk.  Conclusion-1: India is the world’s largest exporter of milk.  Conclusion-2: India does not import milk.  Which one of the following is correct ? |
| Type | multiple-choice |
| Option | Only conclusion-1 follows. |
| Option | Only conclusion-2 follows. |
| Option | Both conclusion-1 and conclusion-2 follow. |
| Option | Neither conclusion-1 nor conclusion-2 follows. |
| Answer | 4 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

|  |  |
| --- | --- |
| Question | A Question is given followed by two Statements 1 and 2. Consider the Question and the Statements.  Question: What are the values of m and n, where m and n are natural numbers ?  Statement-1: m + n > mn and m > n.  Statement-2: The product of m and n is 24.  Which one of the following is correct in respect of the above Question and the Statements ? |
| Type | multiple-choice |
| Option | The Question can be answered by using one of the Statements alone, but cannot be answered using the other Statement alone. |
| Option | The Question can be answered by using either Statement alone. |
| Option | The Question can be answered by using both the Statements together, but cannot be answered using either Statement alone. |
| Option | The Question cannot be answered even by using both the Statements together. |
| Answer | 3 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

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| --- | --- |
| Question | A Question is given followed by two Statements 1 and 2. Consider the Question and the Statements.  Question: What is the time required to download the software ?  Statement-1: The size of the software is 12 megabytes.  Statement-2: The transfer rate is 2.4 kilobytes per second.  Which one of the following is correct in respect of the above Question and the Statements ? |
| Type | multiple-choice |
| Option | The Question can be answered by using one of the Statements alone, but cannot be answered using the other Statement alone. |
| Option | The Question can be answered by using either Statement alone. |
| Option | The Question can be answered by using both the Statements together, but cannot be answered using either Statement alone. |
| Option | The Question cannot be answered even by using both the Statements together. |
| Answer | 3 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

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| --- | --- |
| Question | Directions for the following 3 (three) items :  Read the following three passages and answer the items that follow the passages. Your answers to these items should be based on the passages only.  Passage – 1  In a robust democracy, reality, howsoever inconvenient it may be, finds its expression both in the speech of political leaders and the other social forms of assertion. The existence of the real has to be transparent, both through its circulation in and by the media as well as its argumentative articulation in deliberative democracy. A normatively responsible media through its communication effect has the responsibility to circulate the content of reality without distortion.  Which one of the following statements best reflects the crux of the above passage ? |
| Type | multiple-choice |
| Option | Responsible media should not distort the real in an ideal democracy. |
| Option | Fake news seems inherent in the life of an ideal democracy. |
| Option | There should not be any kind of restrictions on the freedom of expression in an ideal democracy. |
| Option | Irresponsible media and political leaders cannot be effectively controlled in an ideal democracy. |
| Answer | 1 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

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| --- | --- |
| Question | Passage – 2  Now-a-days there is a growing trend to use interconnected home devices. As consumers increasingly network their homes, the connected home device manufacturers and service providers will seek to overcome “thin profit margins by gathering more of our personal data—with or without our agreement—turning the home into a corporate storefront”. Corporate marketers will have powerful incentives to observe consumer behaviour to understand the buying needs and preferences of the device owners.  Which one of the following statements best reflects the most logical, rational and practical message implied by the passage ? |
| Type | multiple-choice |
| Option | Knowledge of consumer behaviour leads to more capital expenditure in manufacturing sector. |
| Option | Knowledge of consumer behaviour stimulates the growth of commerce and trade and thus helps in the overall economic development of the country. |
| Option | Interconnected devices give a lot of comfort to home users and improve the overall quality of life. |
| Option | Interconnected devices can be at security risk and home users may have privacy risk. |
| Answer | 4 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

|  |  |
| --- | --- |
| Question | Passage – 3  Green growth involves rethinking growth strategies with regard to the impacts on environmental sustainability and the environmental resources available to poor and vulnerable groups. In rethinking growth, we need to focus on the current reality of a resource-constrained world. Resource intensive and, in particular energy intensive processes will need to make way for more efficient and resource frugal development strategies if we are to avoid an economic dead end or a world in which only a small elite is able to enjoy affluence in the midst of a sea of poverty.  Which one of the following statements best reflects the crux of the above passage ? |
| Type | multiple-choice |
| Option | Environmental sustainability is inimical to our objective of achieving a high rate of GDP growth. |
| Option | Poverty eradication is not possible without a rapid economic growth and the consequent environmental degradation. |
| Option | Maintaining high environmental standards is now a prerequisite for achieving a steady, sufficient and inclusive growth. |
| Option | With large populations, rampant poverty and limited resources of today’s world, environmental degradation cannot be prevented and inequalities are inevitable. |
| Answer | 3 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

|  |  |
| --- | --- |
| Question | A Question is given followed by two Statements 1 and 2. Consider the Question and the Statements.  Question: What are the unique values of x and y, where x, y are distinct natural numbers ?  Statement-1: x/y is odd.  Statement-2: xy = 12.  Which one of the following is correct in respect of the above Question and the Statements ? |
| Type | multiple-choice |
| Option | The Question can be answered by using one of the Statements alone, but cannot be answered using the other Statement alone. |
| Option | The Question can be answered by using either Statement alone. |
| Option | The Question can be answered by using both the Statements together, but cannot be answered using either Statement alone. |
| Option | The Question cannot be answered even by using both the Statements together. |
| Answer | 3 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

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| --- | --- |
| Question | A Question is given followed by two Statements 1 and 2. Consider the Question and the Statements.  A certain amount was distributed among X, Y and Z.  Question: Who received the least amount ?  Statement-1: X received 4/5 of what Y and Z together received.  Statement-2: Y received 2/7 of what X and Z together received.  Which one of the following is correct in respect of the above Question and the Statements ? |
| Type | multiple-choice |
| Option | The Question can be answered by using one of the Statements alone, but cannot be answered using the other Statement alone. |
| Option | The Question can be answered by using either Statement alone. |
| Option | The Question can be answered by using both the Statements together, but cannot be answered using either Statement alone. |
| Option | The Question cannot be answered even by using both the Statements together. |
| Answer | 3 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

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| --- | --- |
| Question | A Question is given followed by two Statements 1 and 2. Consider the Question and the Statements.  Question: If the average marks in a class are 60, then what is the number of students in the class ?  Statement-1: The highest marks in the class are 70 and the lowest marks are 50.  Statement-2: Exclusion of highest and lowest marks from the class does not change the average.  Which one of the following is correct in respect of the above Question and the Statements ? |
| Type | multiple-choice |
| Option | The Question can be answered by using one of the Statements alone, but cannot be answered using the other Statement alone. |
| Option | The Question can be answered by using either Statement alone. |
| Option | The Question can be answered by using both the Statements together, but cannot be answered using either Statement alone. |
| Option | The Question cannot be answered even by using both the Statements together. |
| Answer | 4 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

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| --- | --- |
| Question | A Question is given followed by two Statements 1 and 2. Consider the Question and the Statements.  There are three distinct prime numbers whose sum is a prime number.  Question: What are those three numbers ?  Statement-1: Their sum is less than 23.  Statement-2: One of the numbers is 5.  Which one of the following is correct in respect of the above Question and the Statements ? |
| Type | multiple-choice |
| Option | The Question can be answered by using one of the Statements alone, but cannot be answered using the other Statement alone. |
| Option | The Question can be answered by using either Statement alone. |
| Option | The Question can be answered by using both the Statements together, but cannot be answered using either Statement alone. |
| Option | The Question cannot be answered even by using both the Statements together. |
| Answer | 1 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

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| --- | --- |
| Question | A Question is given followed by two Statements 1 and 2. Consider the Question and the Statements.  Question: Is (x + y) an integer ?  Statement-1: (2x + y) is an integer.  Statement-2: (x + 2y) is an integer.  Which one of the following is correct in respect of the above Question and the Statements ? |
| Type | multiple-choice |
| Option | The Question can be answered by using one of the Statements alone, but cannot be answered using the other Statement alone. |
| Option | The Question can be answered by using either Statement alone. |
| Option | The Question can be answered by using both the Statements together, but cannot be answered using either Statement alone. |
| Option | The Question cannot be answered even by using both the Statements together. |
| Answer | 4 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

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| --- | --- |
| Question | A Question is given followed by two Statements 1 and 2. Consider the Question and the Statements.  A person buys three articles p, q and r for Rs. 50. The price of the article q is Rs. 16 which is the least.  Question: What is the price of the article p ?  Statement-1: The cost of p is not more than that of r.  Statement-2: The cost of r is not more than that of p.  **Which one of the following is correct in respect of the above Question and the Statements ?** |
| Type | multiple-choice |
| Option | The Question can be answered by using one of the Statements alone, but cannot be answered using the other Statement alone. |
| Option | The Question can be answered by using either Statement alone. |
| Option | The Question can be answered by using both the Statements together, but cannot be answered using either Statement alone. |
| Option | The Question cannot be answered even by using both the Statements together. |
| Answer | 3 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

|  |  |
| --- | --- |
| Question | A Question is given followed by two Statements 1 and 2. Consider the Question and the Statements.  P, Q, R and S appeared in a test.  Question: Has P scored more marks than Q ?  Statement-1: The sum of the marks scored by P and Q is equal to the sum of the marks scored by R and S.  Statement-2: The sum of the marks scored by P and S is more than the sum of the marks scored by Q and R.  Which one of the following is correct in respect of the above Question and the Statements ? |
| Type | multiple-choice |
| Option | The Question can be answered by using one of the Statements alone, but cannot be answered using the other Statement alone. |
| Option | The Question can be answered by using either Statement alone. |
| Option | The Question can be answered by using both the Statements together, but cannot be answered using either Statement alone. |
| Option | The Question cannot be answered even by using both the Statements together. |
| Answer | 4 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

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| --- | --- |
| Question | Directions for the following 2 (two) items :  Read the following two passages and answer the items that follow the passages. Your answers to these items should be based on the passages only.  Passage - 1  Unlike religion and science, poetry does not posit or expect any belief in absolute truths. Those forces or individuals who claim to have absolute truths in their grasp tend to turn dictatorial and tyrannical. Truth usually does not admit any contradictions or imperfections. It is unitarian. It is, therefore, not of much use for poetry. Poetry abides by the plurality of life and existence. Perhaps poetry follows reality which is plural, anachronistic, full of contradictions. Against the tyranny of truth, poetry remains a partisan of democratic reality.  Against the arrogance of power, wealth and hierarchy, poetry proposes both humility and defiance.  Which one of the following statements best reflects the most logical and rational message conveyed by the above passage ? |
| Type | multiple-choice |
| Option | It is the poetry, not science or religion, which recognizes and accepts imperfections in humans. |
| Option | Truth is revealed through science or religion and poetry is anathema to truth. |
| Option | Poetry is romantic, imaginary and is about feeling whereas science and religion are about truth. |
| Option | In a world of violence, tyranny and bigotry, poetry is a form of dynamic resistance. |
| Answer | 4 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

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| --- | --- |
| Question | Passage - 2  The flower was not invented to please us. It flaunted its petals and spread its perfume to attract an insect. The insect carries the pollen from flower to flower so that pollen is not carried away by wind and thus not wasted. What we call a flower's beauty is merely a by-product and a human invention. The perfume is not there to please us, it pleases us because it is there and we have been conditioned to it.  Based on the above passage, the following assumptions have been made :   1. The author of the passage believes that flowers are creations of Nature’s luxury. 2. The author of the passage does not believe in the usefulness of flowers except as things of beauty.   Which of the assumptions given above is/are valid ? |
| Type | multiple-choice |
| Option | 1 only |
| Option | 2 only |
| Option | Both 1 and 2 |
| Option | Neither 1 nor 2 |
| Answer | 4 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

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| Question | A Question is given followed by two Statements 1 and 2. Consider the Question and the Statements.  Age of each of P and Q is less than 100 years but more than 10 years. If you interchange the digits of the age of P, the number represents the age of Q.  Question: What is the difference of their ages ?  Statement-1: The age of P is greater than the age of Q.  Statement-2: The sum of their ages is 11/6 times their difference.  Which one of the following is correct in respect of the above Question and the Statements ? |
| Type | multiple-choice |
| Option | The Question can be answered by using one of the Statements alone, but cannot be answered using the other Statement alone. |
| Option | The Question can be answered by using either Statement alone. |
| Option | The Question can be answered by using both the Statements together, but cannot be answered using either Statement alone. |
| Option | The Question cannot be answered even by using both the Statements together. |
| Answer | 1 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

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| Question | A Main Statement is followed by four Statements labelled P, Q, R and S. Choose the ordered pair of the Statements where the first Statement implies the second, and the two Statements are logically consistent with the Main Statement.  Main Statement : Pradeep becomes either a Director or a Producer.  Statement P: Pradeep is a Director.  Statement Q: Pradeep is a Producer.  Statement R: Pradeep is not a Director.  Statement S: Pradeep is not a Producer.  Select the correct answer. |
| Type | multiple-choice |
| Option | SP only |
| Option | RQ only |
| Option | Both SP and RQ |
| Option | Neither SP nor RQ |
| Answer | 3 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

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| Question | If a + b means a – b; a – b means a × b; a × b means a 􀁹 b; a 􀁹 b means a + b; then what is the value of 10 + 30 – 100 × 50 􀁹 25 ? (Operations are to be replaced simultaneously) |
| Type | multiple-choice |
| Option | 15 |
| Option | 0 |
| Option | -15 |
| Option | -25 |
| Answer | 4 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

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| Question | If P means ‘greater than (>)’; Q means ‘less than (<)’; R means ‘not greater than ( )’; S means ‘not less than ( )’ and T means ‘equal to (=)’, then consider the following statements :   1. If 2x(S)3y and 3x(T)4z, then 9y(P)8z. 2. If x(Q)2y and y(R)z, then x(R)z.   Which of the statements given above is/are correct ? |
| Type | multiple-choice |
| Option | 1 only |
| Option | 2 only |
| Option | Both 1 and 2 |
| Option | Neither 1 nor 2 |
| Answer | 4 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

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| Question | **If in a certain code, ‘ABCD’ is written as 24 and ‘EFGH’ is written as 1680, then how is ‘IJKL’ written in that code ?** |
| Type | multiple-choice |
| Option | 11880 |
| Option | 11240 |
| Option | 7920 |
| Option | 5940 |
| Answer | 1 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

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| Question | If in a certain code, ‘POT’ is written as ATOP and ‘TRAP’ is written as APART, then how is ‘ARENA’ written in that code ? |
| Type | multiple-choice |
| Option | AARENA |
| Option | AANREA |
| Option | AANEAR |
| Option | AANERA |
| Answer | 4 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

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| Question | What will come in place of \* in the sequence 3, 14, 39, 84, \*, 258 ? |
| Type | multiple-choice |
| Option | 150 |
| Option | 155 |
| Option | 160 |
| Option | 176 |
| Answer | 2 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

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| Question | In some code, letters P, Q, R, S, T represent numbers 4, 5, 10, 12, 15. It is not known which letter represents which number. If Q – S = 2S and T = R + S + 3, then what is the value of P + R – T ? |
| Type | multiple-choice |
| Option | 1 |
| Option | 2 |
| Option | 3 |
| Option | Cannot be determined due to insufficient data |
| Answer | 2 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |