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| 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 |

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| 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 | 2.5 |
| Negative Marks | 0.83 |

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| 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 |

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| 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 |

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| 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 |

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| 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 |