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| Question | Passage - 2  As inflation rises, even governments previously committed to budget discipline are spending freely to help households. Higher interest rates announced by central banks are to supposed to help produce modest fiscal austerity, because to maintain stable debts while paying more to borrow, governments must cut spending or raise taxes. Without the fiscal backup, monetary policy eventually loses traction. Higher interest rates become inflationary, not disinflationary, because they simply lead governments to borrow more to pay rising debt-service costs. The risk of monetary unmooring is greater when public debt rises, because interest rates become more important to budget deficits.  Which of the following statements best reflects/reflect the most logical and rational inference/inferences that can be made from the passage ?   1. Central banks cannot bring down inflation without budgetary backing. 2. The effects of monetary policy depend on the fiscal policies pursued by the government.   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 |

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| Question | Passage - 2  As inflation rises, even governments previously committed to budget discipline are spending freely to help households. Higher interest rates announced by central banks are to supposed to help produce modest fiscal austerity, because to maintain stable debts while paying more to borrow, governments must cut spending or raise taxes. Without the fiscal backup, monetary policy eventually loses traction. Higher interest rates become inflationary, not disinflationary, because they simply lead governments to borrow more to pay rising debt-service costs. The risk of monetary unmooring is greater when public debt rises, because interest rates become more important to budget deficits.  Based on the above passage, the following assumptions have been made :   1. Fiscal policies of governments are solely responsible for higher prices. 2. 2. Higher prices do not affect the longterm government bonds. Which of the assumptions given above is/are valid ? |
| Type | multiple-choice |
| Option | l only |
| Option | 2 only |
| Option | Both l and 2 |
| Option | Neither 1 nor 2 |
| Answer | 4 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

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| Question | What is the least possible number of cuts required to cut a cube into 64 identical pieces ? |
| Type | multiple-choice |
| Option | 8 |
| Option | 9 |
| Option | 12 |
| Option | 16 |
| Answer | 2 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

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| Question | **In the expression 5 \* 4 \* 3 \* 2 \* 1, \* is chosen from +, –, × each at most two times. What is the smallest nonnegative value of the expression ?** |
| Type | multiple-choice |
| Option | 3 |
| Option | 2 |
| Option | 1 |
| Option | 0 |
| Answer | 4 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

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| Question | **A certain number of men can complete a piece of work in 6k days, where k is a natural number. By what percent should the number of men be increased so that the work can be completed in 5k days ?** |
| Type | multiple-choice |
| Option | 10% |
| Option | (50/3)% |
| Option | 20% |
| Option | 25% |
| Answer | 3 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

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| Question | **X, Y and Z can complete a piece of work individually in 6 hours, 8 hours and 8 hours respectively. However, only one person at a time can work in each hour and nobody can work for two consecutive hours. All are engaged to finish the work. What is the minimum amount of time that they will take to finish the work ?** |
| Type | multiple-choice |
| Option | 6 hours 15 minutes |
| Option | 6 hours 30 minutes |
| Option | 6 hours 45 minutes |
| Option | 7 hours |
| Answer | 3 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

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| Question | **How many consecutive zeros are there at the end of the integer obtained in the product 12 × 24 × 36 × 48 × … × 2550 ?** |
| Type | multiple-choice |
| Option | 50 |
| Option | 55 |
| Option | 100 |
| Option | 200 |
| Answer | 4 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

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| Question | On January 1st, 2023, a person saved Rs. 1. On January 2nd 2023, he saved Rs. 2 more than that on the previous day. On January 3rd, 2023, he saved Rs 2 more than that on the previous day and so on. At the end of which date was his total savings a perfect square as well a perfect cube ? |
| Type | multiple-choice |
| Option | 7th January, 2023 |
| Option | 8th January, 2023 |
| Option | 9th January, 2023 |
| Option | Not Possible |
| Answer | 2 |
| 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  Today, if we consider cities such as New York, London and Paris as some of the most iconic cities in the world, it is because plans carrying a heavy systems approach were imposed on their precincts. The backbone of the systems theory is the process of translating social, spatial and cultural desirables into mathematical models using computing, statistics, optimization and an algorithmic way of formulating and solving problems. The early universities of the West which began to train professionals in planning, spawned some of the most ingenious planners, who were experts in these domains. This was because these very subjects were absorbed into the planning curriculum that had its roots in the social sciences, geography and architecture. Planning in India, and its education differ from the West.  Which one of the following statements best reflects the most logical and rational inference that can be made from the above passage? |
| Type | multiple-choice |
| Option | Curriculum for urban planning courses should have diverse and interdisciplinary approach. |
| Option | In India, city administration is under bureaucracy which lacks formal training in urban planning and management. |
| Option | In India, the management of urban areas is a local affair with a chronic problem of insufficient funds. |
| Option | With high density of population and widespread poverty in our urban areas, planned development in them is very difficult. |
| Answer | 1 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

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| Question | **Passage – 1**  Today, if we consider cities such as New York, London and Paris as some of the most iconic cities in the world, it is because plans carrying a heavy systems approach were imposed on their precincts. The backbone of the systems theory is the process of translating social, spatial and cultural desirables into mathematical models using computing, statistics, optimization and an algorithmic way of formulating and solving problems. The early universities of the West which began to train professionals in planning, spawned some of the most ingenious planners, who were experts in these domains. This was because these very subjects were absorbed into the planning curriculum that had its roots in the social sciences, geography and architecture. Planning in India, and its education differ from the West.  **Based on the above passage, the following assumptions have been made :**   1. India needs a new generation of urban professionals with knowledge relevant to modem urban practice. 2. Indian universities at present have no capacity or potential to impart training in systems approach.   **Which of the assumptions given above is/are correct ?** |
| Type | multiple-choice |
| Option | 1 only |
| Option | 2 only |
| Option | Both 1 and 2 |
| Option | Neither l nor 2 |
| Answer | 1 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

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| Question | **Passage - 2**  Not every voice on the internet commands the same kind of audience. When anonymous private entities with high capital can pay for more space for their opinions, they are effectively buying a louder voice. If political discourse in the digital sphere is a matter of outshining one's opponent till the election is Won, then the quality of politics suffers. The focus of social media is restricted to the promotion of content that generates more user engagement, regardless of how inflammatory the content may be.  **Which one of the following statements best reflects the central idea of the above passage?** |
| Type | multiple-choice |
| Option | Constructed as a marketplace of views, social media ensures instant access to information. |
| Option | Social media are not ideal or moral institutions but the products built by companies to make profits. |
| Option | Social media have been created to strengthen democracies. |
| Option | In today's world, social media are inevitable for well-informed social life. |
| Answer | 2 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |

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| Question | **Passage - 2**  Not every voice on the internet commands the same kind of audience. When anonymous private entities with high capital can pay for more space for their opinions, they are effectively buying a louder voice. If political discourse in the digital sphere is a matter of outshining one's opponent till the election is Won, then the quality of politics suffers. The focus of social media is restricted to the promotion of content that generates more user engagement, regardless of how inflammatory the content may be.  **Based on the above passage, the following assumptions have been made :**   1. Internet is not inclusive enough. 2. Internet can adversely affect the quality of politics in a country.   **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 | 3 |
| Solution |  |
| Positive Marks | 2.5 |
| Negative Marks | 0.83 |