SNAP 2025 Test 1, Slots 1 & 2 (Dec 6) Unofficial Answer Key and Memory-Based Question Paper

General English

1. What is the meaning of the word "prognostication"?
2. Select the correct option to fill the blank:
   The chairman refused to sign the proposal _____ it lacked proper documentation.
3. Choose the idiom that best fits the sentence:
   He revealed the secret unintentionally and _____.
4. Select the word that is similar in meaning to "contemplate."
5. Choose the correct preposition to complete the sentence:
   She has been working here _____ 2015.
6. In the analogy Soporific : Sleep :: Antidote : ?, choose the correct answer.

Analytical and Logical Reasoning

1. Find the next number in the series: 11, 19, 35, 59, ?
2. Statement: The government plans to increase subsidies on renewable energy equipment.
   Question: Is the subsidy amount expected to reduce the final consumer price?
   Choose the correct option regarding data sufficiency.
3. A man introduces a woman as the daughter of his mother's only brother. How is the woman related to him?
4. Four lunch items — Pasta, Rice, Soup, and Salad — are delivered to four floors (1 to 4):
   ● Pasta is delivered to a higher floor than Soup.
   ● Rice is not delivered to Floor 1.
   ● Salad is delivered to Floor 4.
     Find the correct arrangement.
5. Three friends — A, B, and C — have different favourite sports: Cricket, Tennis, and Hockey.
   ● A does not like Hockey.
   ● B likes Tennis.
     Find who likes Cricket.
6. Six people — P, Q, R, S, T, and U — sit in a row facing north.
   ● P sits third to the left of S.
   ● Q is to the immediate left of P.

- R sits at one extreme end.
  Find the correct seating order.

7. Five people — P, Q, R, S, and T — sit in a row:
   - S sits between T and Q.
   - P sits to the left of T.
   - R sits at the leftmost position.
     Who sits at the rightmost position?

8. From the statements given below, choose the correct conclusion:
   - All roses are flowers.
   - Some flowers are red.

9. Based on the statements below, identify the correct inference:
   - Most engineers know programming.
   - All programmers use computers.

10. In a certain code language, TREE is written as SUFD. How is HOME written in that code?

Quantitative Analysis, Data Interpretation & Data Sufficiency

1. A shopkeeper buys an article for Rs. 800 and sells it for Rs. 920. Find the profit percentage.
2. The average weight of 6 persons is 52 kg. One more person joins, and the average becomes 53 kg. Find the weight of the new person.
3. The present age of a father is four times that of his son. In five years, their ages will differ by 30 years. Find their present ages.
4. A candidate received 65% of the total valid votes. If he got 13,000 votes, find the total number of valid votes.
5. Find the remainder when 7103 is divided by 6.
6. A cylinder has a radius of 7 cm and a height of 10 cm. Find its total surface area.
7. A triangle has sides 15 cm, 14 cm, and 13 cm. Find its area.
8. The Vande Bharat train covers 540 km in 6 hours. Find its average speed.
9. In how many ways can the letters of the word DELHI be arranged?
10. The difference between Simple Interest and Compound Interest on a sum for 2 years at 10% per annum is Rs. 150. Find the principal.
11. Pipe P1 and P2 together fill a tank in 20 minutes. Pipe P2 alone fills it in 30 minutes. Pipe P3 empties it in 15 minutes. If all pipes are opened together, how long will it take to fill the tank?
12. Amit can complete the work in 12 days and Brijesh in 18 days. They work together, but Amit leaves 6 days before completion. Find the total number of days the work takes.

13. Three traffic lights change at intervals of 48 seconds, 72 seconds, and 108 seconds. If all change together at 7:00 AM, at what time will they change together next?

14. If $\tan\theta + \cot\theta = 4$, find the value of $\tan^2\theta + \cot^2\theta$

15. For the sequence $S_n = 3n^2 - 2n$, find the 5th term.

16. Solve the logarithmic equation: $\log_2 x + \log_2(x-2) = x$.