

RBI Grade B 2026 Phase-1 Reasoning Memory Based Paper 13 June 2026-exam

Directions (1-5): A number arrangement machine when given an input line of words rearranges them following a particular rule in each step. The example of input and its rearrangement is given below:

Input: 33517 21635 84314 32175 81735 63415

Step I: 3157 2185 8124 3145 8215 6125

Step II: 5731 8521 2481 4531 1582 2561

Step III: 8521 5731 4531 2481 2561 1582

Step IV: 1258 1357 1345 1248 1256 1258

Step V: 512 343 125 512 216 512

Step IV is the last step of the given example. Illustrate the above input arrangement and obtain the steps for the asked input given below:

Input: 38621 89157 71822 37265 89245 65531

Q1. How many even numbers are there in the step IV?

- (a) Four
- (b) Six
- (c) Five
- (d) Two
- (e) Three

Ans.(e)

Q2. What is the difference between the second highest and lowest number in Step III?

- (a) 3552
- (b) 3452
- (c) 3525
- (d) 3425
- (e) 3535

Ans.(a)

Q3. Which of the following is the second step for the given input?

- (a) 5784 6139 4538 6271 5167 2587
- (b) 6139 5784 6271 4538 2587 5167
- (c) 6139 5784 6271 2587 4538 5167
- (d) 6139 5784 6271 4538 5167 2587
- (e) None of these

Ans.(b)

Q4. Which of the following number is second to the left of the element which is fourth from the right end of step I?

- (a) 7162
- (b) 8457
- (c) 3961
- (d) 3845
- (e) None of these

Ans.(c)

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Q5. What is the sum of first three numbers in step V of the given input?

- (a) 1715
- (b) 1751
- (c) 1752
- (d) 1753
- (e) 1754

Ans.(d)

Q6. Statement: Following a series of vehicle thefts from the basement parking, the housing society's management committee has passed a resolution to levy a one-time fee on all residents to install a network of high-definition night-vision CCTV cameras.

Assumptions:

- I. The installation of night-vision CCTV cameras will act as a psychological deterrent to thieves and help police identify culprits.
- II. The residents of the housing society will be willing to pay the newly levied one-time fee for enhanced security.
- III. All the previous vehicle thefts occurred exclusively during the night.

Which of the following assumptions is/are implicit from the given statement?

- (a) Only assumption I is implicit
- (b) Only assumptions I and II are implicit
- (c) Only assumption II is implicit
- (d) Only assumptions I and III are implicit
- (e) All assumptions are implicit

Ans.(b)

Q7. Statement I: There has been a massive global surge in the sales of high-performance computer graphic cards.

Statement II: Internet service providers are reporting record-high household bandwidth consumption during late evenings.

- (a) Statement I is the cause and statement II is its effect.
- (b) Statement II is the cause and statement I is its effect.
- (c) Both the statements I and II are independent causes.
- (d) Both the statements I and II are effects of independent causes.
- (e) Both the statements I and II are effects of some common cause.

Ans.(e)

Q8. Statement: A medical breakthrough has halted the human aging process at 25, leading to severe concerns about global overpopulation within the next century. Economists predict that without a dying generation, global housing and food supplies will be exhausted in exactly 80 years.

Courses of Action:

- I. Governments must implement strict global birth control policies, severely limiting new births to maintain a stable population.
- II. The anti-aging treatment should only be given to a randomly selected 10% of the population, leaving the rest to age naturally.
- III. Space exploration and the colonization of other planets must be aggressively accelerated to provide new habitats for humanity.

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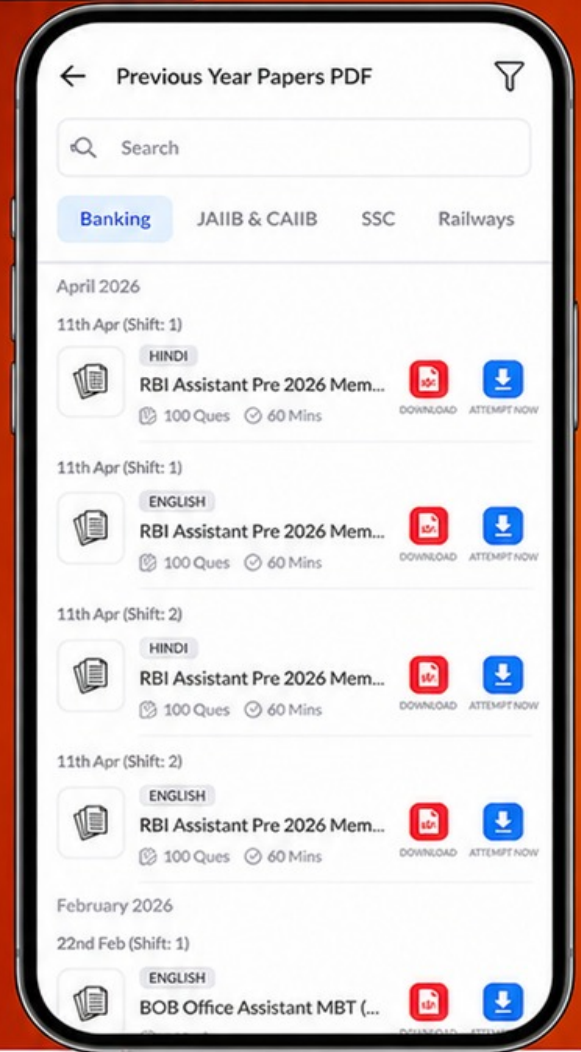
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What is the most viable course of action to ensure survival?

- (a) Only I and II follow
- (b) Only I and III follow
- (c) Only II and III follow
- (d) All I, II, and III follow
- (e) Only III follows

Ans.(b)

Q9. Statement: In her advanced art class, Ms. Darbus spends almost all her time exclusively praising and refining the work of two exceptionally talented painters. The other twenty students receive only a quick glance and a generic "good job," causing many to stop putting any real effort into their portfolios.

Which of the following conclusions is most appropriate?

- (a) The twenty ignored students should immediately drop out of school.
- (b) The two talented painters are secretly doing Ms. Darbus's personal chores.
- (c) Art is a purely subjective field where teacher feedback does not matter at all.
- (d) Showing unequal attention and blatant favoritism heavily lowers the motivation of the neglected students.
- (e) Advanced art classes should only ever accept two students per year.

Ans.(d)

Q10. Statement: The national intelligence agency is pushing for a law that forces all encrypted messaging apps to provide the government with a "backdoor" master key, arguing this is essential to intercept communications between terrorist sleeper cells. Cybersecurity experts argue that a backdoor will inevitably be exploited by malicious hackers to compromise the entire country.

Which of the following, if true, most seriously weakens the national intelligence agency's argument?

- (a) Terrorists and organized crime syndicates are known to use custom, open-source encryption software built independently of commercial app stores, which the government cannot mandate backdoors for.
- (b) The national intelligence agency has a historically strong track record of keeping its internal cyber-tools secure from leaks.
- (c) Many citizens use encrypted messaging apps to share sensitive financial information, such as bank passwords.
- (d) Several major tech CEOs have threatened to pull their messaging apps from the country entirely rather than comply with the mandate.
- (e) Encrypted messaging apps are primarily used by teenagers and young adults for casual social communication.

Ans.(a)