

SBI PO Mains English Memory Based Paper

Directions (1-9): Read the following passage and answer the given questions.

For many individuals, the mere sight of a needle can create intense fear and anxiety. This fear, known as trypanophobia, has been a significant barrier for patients who need regular injections, especially those suffering from diabetes and dependent on daily insulin shots. Because of the pain and discomfort associated with traditional injections, some patients delay or even avoid taking essential medicines, putting their health at serious risk. To address this challenge, researchers at the Massachusetts Institute of Technology (MIT) have been exploring advanced technologies to

an easier, less painful way to deliver medicine. The innovative MIT researchers have developed a groundbreaking technology designed to inject medicine into the lining after being swallowed. This technology, which can deliver insulin, can overcome the problem of traditional syringes. For example, a syringe must penetrate the stomach's lining to deliver the capsule medication with accuracy. MIT researchers struggled to develop a reliable method to overcome this problem. To overcome this, MIT researchers developed two types of capsules. The first type is a technological capsule that can be swallowed and once inside the stomach, it can spray the medicine downward. To test the effectiveness, MIT researchers used a green dye on the capsules to simulate how the medicine would be delivered. The results showed that the capsules would be delivered efficiently. The second type of capsule, which can release the medicine, is based on this model, the researchers developed a capsule that can spray the medicine sideways by using a similar muscular mechanism. This method also proved successful in laboratory tests.

Both experimental approaches demonstrated that delivering insulin or other injectable drugs through swallowable capsules is not only possible but also highly promising. Although further research and clinical trials are necessary before this technology becomes widely available, these results bring hope to diabetic patients who fear needles. By removing the pain and psychological discomfort of injections, MIT's capsule technology could revolutionize diabetes care and eventually change the way many other injectable medicines are administered.

Q1. Evaluate the following statements based on the passage:

- (I) Both new capsule models were tested using animal tissue but not live subjects.
- (II) Researchers primarily sought to enhance the effectiveness of insulin through new formulations.
- (III) The redesigned capsules offer potential solutions not only for diabetic patients but also for those who suffer from needle-related anxiety.
- (a) Only (I) and (III) are correct
- (b) Only (I) is correct
- (c) Only (II) and (III) are correct

Q3. Which

technology

could

the medicine

(a) Only (I)

(b) Both (I) and (II)

(c) Only (III)

(d) Only (II)

(e) None of the above

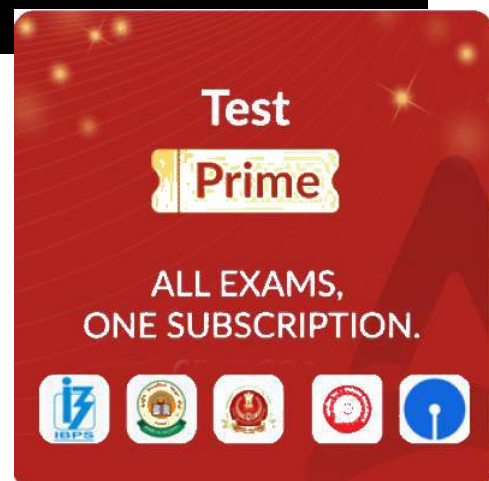
(f) All of the above

(g) Only (I) and (II)

(h) Only (II) and (III)

(i) Only (I) and (III)

(j) None of the above



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Q4. Match the terms in Column A with their correct descriptions from Column B, based on the passage.

Column A	Column B
A. Trypanophobia	1. An approach using squid-like mechanics to release medicine sideways
B. Space-lander inspired capsule	2. The fear of needles that can discourage patients from taking essential medication
C. Squid-inspired capsule	3. A capsule designed to orient itself and spray medicine downward
D. Green dye test	4. A method to simulate drug delivery effectiveness on pig

- (a) A-2, B-3, C-4, D-1
(b) A-3, B-1, C-2, D-4
(c) A-1, B-4, C-3, D-2
(d) A-4, B-2, C-1, D-3
(e) A-2, B-4, C-3, D-1

Q5. Which of the following is the correct description of the injection method used in the study?

- (a) The stomach lining was injected improperly and the medicine was not absorbed.
(b) Only a specific area of the stomach lining was injected.
(c) Medicine was injected into the stomach lining using a needle that was misaligned.
(d) Capsule orientation was not controlled, requiring angled injections.
(e) The needle was not able to penetrate the stomach lining.

Q6. Which of the following best characterizes the research approach adopted in the study?

- (a) Repetitive testing on a single interdisciplinary inspiration
(b) Mechanistic understanding with no practical outcomes
(c) Nature- and human-inspired design based on observed data
(d) Reliance on computer simulations and prototypes
(e) A preference for animal testing over laboratory experiments validated by experiments

Q7. Which of the following comparisons between the two capsule designs is accurate based on the passage?

- (a) Both designs rely on mechanical arms to inject the stomach lining directly.
(b) The squid-based design sprays medicine downward while the lander-based design sprays sideways.
(c) The lander-based design uses gravity to orient itself before injecting medicine downward.
(d) Only the lander design underwent laboratory testing.
(e) The squid-based design was modeled after atmospheric pressure systems.

Q8. Which of the following words can best replace "groundbreaking" in the sentence without changing its intended meaning?

*"The innovative idea behind these capsules is simple yet **groundbreaking**."*

- (a) outdated
(b) experimental
(c) pioneering
(d) repetitive
(e) limited

Q9. Which of the following statements is/are TRUE according to the passage?

- (a) The study used a green dye to visualize the injection to spray medicine sideways.
(b) The study used a green dye to visualize the injection to spray medicine sideways.
(c) The study used a green dye to visualize the injection to spray medicine sideways.
(d) The study used a green dye to visualize the injection to spray medicine sideways.
(e) The study used a green dye to visualize the injection to spray medicine sideways.

Q10. Which of the following is the FIRST sentence after rearrangement?

- (a) C
(b) D
(c) F
(d) A
(e) E

Q11. Which of the following is the **SECOND** sentence after rearrangement?

- (a) C
- (b) G
- (c) F
- (d) A
- (e) E

Q12. Which of the following is the **THIRD** sentence after rearrangement?

- (a) C
- (b) D
- (c) F
- (d) A
- (e) E

Q13. Which of the following is the **SECOND** sentence after rearrangement?

- (a) B
- (b) D
- (c) F
- (d) A
- (e) E

Q14. Which of the following is the **SECOND** sentence after rearrangement?

- (a) D
- (b) A
- (c) F
- (d) B
- (e) E

Q15. Which of the following is the **SECOND** sentence after rearrangement?

- (a) C
- (b) D
- (c) F
- (d) A
- (e) E

Q16. Two columns are given below. **Column I** lists several words, while **Column II** lists several words/phrases. Select the option that correctly pairs each word in **Column I** with its appropriate replacement(s) from **Column II**.

Column I	Column II
P. accelerated	1. easily broken
Q. fragile	2. quickened
	3. strengthened
	4. delicate

- (a) P-2 and Q-3
- (b) P-1, P-3 and Q-4
- (c) P-2 and Q-1
- (d) P-2 and Q-4
- (e) P-1 and Q-4, Q-2

Directions (17-21): In the question below, a paragraph is split into several parts. Examine each part for grammatical accuracy and select the option that correctly identifies which parts are grammatically correct or incorrect.

Q17. (A) Climate change have become a pressing issue across the world. Scientists **(B)** warns that if emissions keep rising, heatwaves will intensify. Rising sea levels threaten coastal cities, displacing communities **(C)** and damaging infrastructure. Simple actions, like reducing energy waste and using public transport, can make a meaningful difference. **(D)** Governments must invest in sustainable infrastructure to protect workers through a

Q18. The government is investing heavily in artificial intelligence (AI) to transform many industries. Large corporations invest in AI systems to improve efficiency. As AI systems grow, they require vast datasets, they need to be validated the data. **(D)** The government will need to ensure that the data is accurate and reliable.

carelessly, **(B)** users risk exposing themselves to scams. Constantly comparing oneself with influencers **(C)** often leads to envy and poor body image. People spend hours watching short videos, **(D)** so they neglect to study and exercising. Because many posts are exaggerated, **(E)** fact-checking before sharing is essential.

- (a) A and E are incorrect
- (b) A, D and E are incorrect
- (c) B, C and D are correct
- (d) A and D are correct
- (e) B, C and E are correct

Q20. (A) This year's increased rainfall have caused frequent waterlogging across the city. **(B)** If the drainage network is maintained before the heaviest spells, **(C)** neighborhoods will be spared repeated flooding. Farmers report that reservoirs have filled early, helping irrigation **(D)** but also raising the risk of pests. While forecasts predict continued showers, but officials advise residents to avoid low-lying underpasses. **(E)** Because timely alerts have been issued this year, many commuters have started leaving home earlier to avoid gridlock.

- (a) A and C are incorrect
- (b) A and D are incorrect
- (c) B and C are incorrect
- (d) C, D and E are correct
- (e) B and E are correct

Q21.

(A) Rarely we see teams that focus time with their members during peak seasons. **(B)** Having finished their workspace reorganization, they are now focusing on action items. **(C)** More than teams run by themselves, they focus time with their members. **(D)** Unnecessary meetings are avoided.

- (a) A and D are correct
- (b) A, B and C are correct
- (c) B, C and E are correct
- (d) A, D and E are correct
- (e) C and E are correct

Directions (25-28):

In the following question, few sentences are given with two blanks in each. Select the pair of words that best completes both blanks in all the sentences, ensuring the sentences remain grammatically correct and contextually appropriate.

Q22. Despite the heavy rain, the outdoor festival continued with its plan to **hosted a wide range of activity** for attendees.

- (a) as unsolvable as it was before
- (b) as unsolvable than it was before
- (c) as unsolvable as it were before
- (d) as unsolvable that it was before
- (e) No improvement required

Q23. Despite the heavy rain, the outdoor festival continued with its plan to **hosted a wide range of activity** for attendees.

- (a) No replacement required
- (b) hosting a wide range of activities
- (c) host a wide range of activities
- (d) host a wide ranges of activities
- (e) hosts a wide range of activities

Q24. It was evident that the team needed to **refined it's strategy for the better** in order to overcome the challenges ahead.

- (a) refine its strategy of better
- (b) refined their strategies to better
- (c) No replacement required
- (d) refine its strategy to be better
- (e) refine their strategies for better

Directions (25-28): In the following question, few sentences are given with two blanks in each. Select the pair of words that best completes both blanks in all the sentences, ensuring the sentences remain grammatically correct and contextually appropriate.

Q26. (I)

public trust in the leadership team is low. (II) The team is struggling to achieve its goals and objectives.

(I) The team is struggling to achieve its goals and objectives. (II) The team is struggling to achieve its goals and objectives.

(I) The team is struggling to achieve its goals and objectives. (II) The team is struggling to achieve its goals and objectives.

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Q28. (I) He _____ that the sudden _____ in temperature signals an approaching storm.

(II) The committee _____ the _____ of the project's budget is justified by the expanded scope.

(III) She _____ that his recent _____ to department head will bring positive changes.

- (a) assumes; drop
- (b) captures; promotion
- (c) infers; acceleration
- (d) presumes; elevation
- (e) declares; rose

Directions (29-30): In the question below, two columns are given, each containing three phrases/sentences. Choose the option that is most meaningful and logical.

Q29. Column-I

- (A) Patients are kept in records,
- (B) Medical professionals by saving time
- (C) The summer months are not on

Column-II

- (D) stunning beauty of culture.
- (E) leaving doctors to visit.
- (F) to store the records periodically.
- (a) A-D & B-F
- (b) C-E
- (c) A-E & C-D
- (d) B-D
- (e) None of the

Q30. Column-I

- (A) All countries will increase
- (B) The WHO projections show nearly 50% of the world's population will be
- (C) Projections show nearly 50% of the world's population will be

Column-II

- (D) sunlight exposure and reduce near-work for children.
- (E) where millions of our children are at risk of vision impairment.
- (F) but it is evident that the prevalence numbers are low.
- (a) A-D and B-E
- (b) A-F and B-D
- (c) B-D and C-F
- (d) A-E
- (e) None of these

Directions (31-37): Read the following passage and answer the given questions

Paragraph 1: The pandemic reshaped the global employment landscape and triggered notable demographic shifts. Lockdowns and restrictions forced many industries to downsize, leading to massive layoffs and a sudden shift toward remote work. This **scramble** to adapt not only transformed the nature of jobs but also altered the way people view long-term career stability. Simultaneously, many countries observed a worrying decline in birth rates as economic uncertainties and health concerns discouraged couples from starting or expanding families. The combination of shrinking workforces and fewer young people being born has created a lasting imbalance in labour markets. This **trend** poses serious economic challenges

will have to be addressed on healthcare productivity. To develop sustainable economies, they face years of

offer striking changes after the pandemic, with resignations accelerated their flexibility of work-life balance. At the same time, many have been resigning opportunities or provide more autonomy for this shared responsibility: government term financial allowed many family care made countries now professionals and open their doors to foreigners. This dual highlighted the participation in the post-

Q31. which of the following factors contributed to the increased resignations after the pandemic, as per the passage?

- (I) Declining financial market performance that pushed workers to search for higher-paying jobs
- (II) Shift in priorities around work-life balance and flexibility
- (III) Temporary financial stability due to government assistance
- (a) Only (II)
- (b) Both (I) and (II)
- (c) Only (III)
- (d) Both (II) and (III)
- (e) All (I), (II), and (III)

Q32. What is the **primary concern** economists express regarding demographic and labour trends post-pandemic?

- (a) Lack of public interest in healthcare careers
- (b) Growing investment in remote infrastructure
- (c) Imbalance between a shrinking workforce and an aging population
- (d) Surplus of unskilled workers in developed economies
- (e) Wage inflation due to competition for freelancers

Q33. Which of the following is the **correct statement** as per the passage?

- (a) Younger workers stayed in traditional jobs for greater economic stability.
- (b) Government handouts during the pandemic had little effect on employment decisions.
- (c) Many senior workers expressed job insecurity.
- (d) Some younger workers sought to gain flexibility.
- (e) Nations re-evaluated policies to protect local jobs.

Q34. Which of the following is **not** mentioned according to the passage?

- (a) The pandemic led to a re-evaluation of career goals.
- (b) Financial uncertainty pushed many to resign.
- (c) Birth rates in some countries fell during lockdowns related to the pandemic.
- (d) An aging population put pressure on pension systems.
- (e) Remote work options were preferred by older employees.

Q35. In which of the following sentences is the word **"scramble"** used **similarly** to its use in the passage?

- (I) The kids scrambled up the hill laughing and tripping over rocks.
- (II) The military scrambled to respond to the new threat.
- (III) There was a scramble to sell off risky assets.
- (a) Only I
- (b) Both II and III
- (c) Only II
- (d) Only III
- (e) All I, II and III

Q36. Which of the following can be inferred about **post-pandemic career preferences**?

- (a) Most workers now prefer long-term, salaried positions over gig work.
- (b) Job stability is no longer valued by any age group.
- (c) Remote and freelance opportunities have become more appealing across generations.
- (d) Older workers are now more likely to pursue higher education.

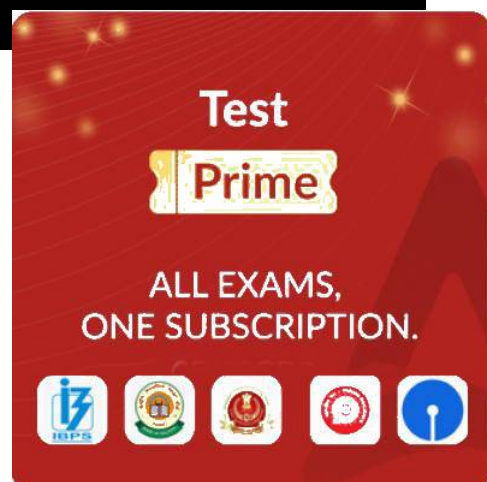
(e) Younger workers are avoiding financial markets due to volatility.

Q37. Which of the following sentences uses the word **"trend"** in the same sense as the passage?

- (I) She started a new fashion trend that went viral on social media.
- (II) The rising trend in remote work is changing how companies manage employees.
- (III) That hairstyle is a trend that fades every few months.
- (a) Only II
- (b) Both II and III
- (c) Only I
- (d) Only III

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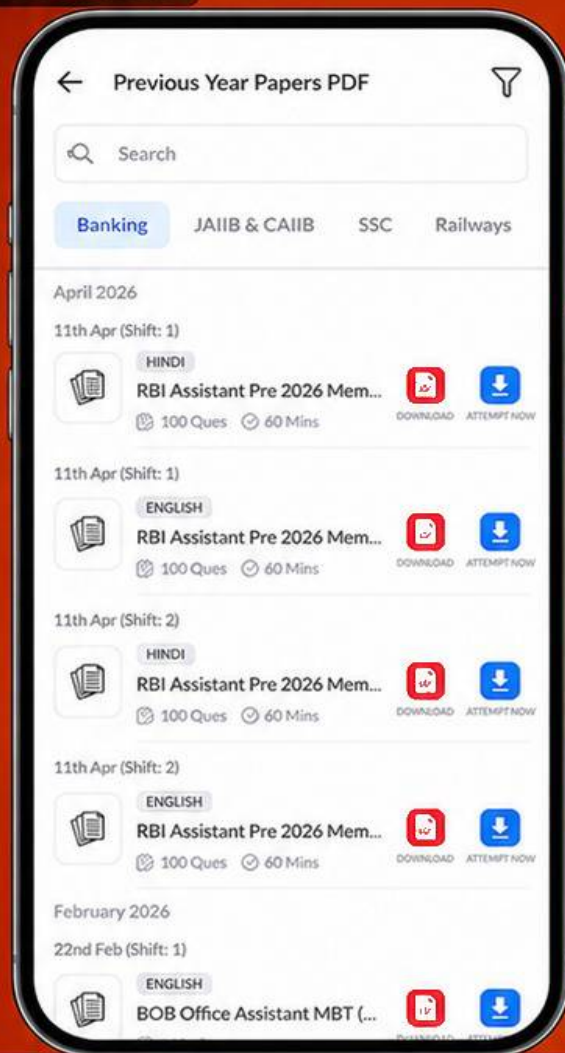
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Q39.

Column I	Column II
A. The aroma of freshly brewed coffee filled the room,	D. ___ listening to the rhythmic sounds of chirping crickets
B. The ancient temple, hidden deep inside	E. ___ he bought proper shoes and prepared his backpack the previous night
C. He wanted to join the trekking group;	F. ___ and necessary item was neatly placed inside

(a) B-F (so)

(b) C-E (therefore)

(c) A-F (of)

(d) B-D (with)

(e) C-E (and)

Q40.

Column I	Column II
A. She kept working late into the night,	D. ___ flooding nearby fields and creating an unexpected spectacle
B. The concert was postponed because of unexpected weather changes;	E. ___ she wanted to complete the project before the approaching deadline
C. Despite his busy schedule, he always found time	F. ___ many visitors had to cancel their travel plans immediately

(a) A-F (so)

(b) B-E (so) (c) C-F (so) (d) A-D (so) (e) B-F (so)

