



October

PRELIMS PRACTICE

Time Limit: 120 mins

Total Questions: 100

1. Consider the following statements about the Sarcopod in Switzerland:

1. It is a 3D-printed suicide pod designed by Philip Nitschke.
2. The Sarcopod releases nitrogen gas for a quick death.
3. Assisted suicide is illegal in Switzerland. Which of the above is/are correct?
 - a) 1 and 2
 - b) 2 and 3
 - c) 1 and 3
 - d) All of the above

2. Assertion: Earth may survive the Sun's red giant phase.

Reason: A new study suggests Earth's orbit will expand, allowing it to avoid engulfment.

- a) Both A and R are true, and R is the correct explanation of A.
- b) Both A and R are true, but R is not the correct explanation of A.
- c) A is true, but R is false.
- d) A is false, but R is true.

3. Consider the following statements about India's lifting of the export ban on non-basmati white rice:

1. The ban was lifted because of surplus stock and higher production.
2. A minimum export price of \$490 per tonne was set.
3. The decision might lead to a decrease in retail rice prices domestically. Which of the above is/are incorrect?
 - a) 1 and 2
 - b) 2 and 3





- c) 1 and 3
- d) All of the above

4. Consider the following statements about the debate on climate scientists' activism:

1. Some believe scientists should focus solely on research.
2. Others argue that activism is necessary for urgent climate action. Which of the above is/are correct? a) 1 only
b) 2 only
c) Both 1 and 2
d) Neither 1 nor 2

5. Consider the following statements about Mount Everest's rise:

1. The Arun River contributes to Everest's rise through erosion.
2. Everest has been rising by up to 2mm per year for 89,000 years.
3. The process is known as 'isostatic rebound.'
4. The rise is solely due to tectonic activity. How many of the above statements are correct?
a) 1 only
b) 2 only
c) 3 only
d) All of the above

6. Consider the following statements about private participation in India's nuclear energy sector:

1. The Atomic Energy Act (AEA) limits private participation in nuclear research.
2. India aims to achieve 500 GW of non-fossil fuel energy generation by 2030. Which of the above is/are correct?
a) 1 only
b) 2 only
c) Both 1 and 2
d) Neither 1 nor 2

7. Assertion: India's rising elderly population represents a challenge for healthcare.

Reason: Elderly care requires multi-sectoral reform, including digital inclusion.

- a) Both A and R are true, and R is the correct explanation of A.
- b) Both A and R are true, but R is not the correct explanation of A.
- c) A is true, but R is false.
- d) A is false, but R is true.

8. Consider the following statements about the NITI Aayog's report on pandemic preparedness:

1. A new Public Health Emergency Management Act (PHEMA) is recommended.
2. An empowered group of secretaries will oversee emergency responses.
3. The report suggests setting up an emergency vaccine bank. Which of the above is/are correct?
a) 1 and 2
b) 2 and 3
c) 1 and 3
d) All of the above

9. Consider the following statements about Swachh Bharat Mission (SBM):

1. It achieved the construction of over 10 crore toilets.





2. SBM 2.0 was launched in 2021, focusing on waste management.
3. SBM has completely achieved 100% waste remediation. Which of the above is/are incorrect?
 - a) 1 and 2
 - b) 2 and 3
 - c) 1 and 3
 - d) All of the above

10. Assertion: Israel's strategy involves regime change in Iran to stabilize the region.

Reason: Netanyahu believes that removing Iran's clerical leadership will weaken groups like Hezbollah and Hamas.

- a) Both A and R are true, and R is the correct explanation of A.
- b) Both A and R are true, but R is not the correct explanation of A.
- c) A is true, but R is false.
- d) A is false, but R is true.

11. Consider the following statements about the SEBI rules on F&O markets:

1. SEBI has increased the minimum contract size to Rs 15 lakh.
2. Options premiums must be collected upfront.
3. The rules aim to increase market volatility. Which of the above is/are incorrect?
 - a) 1 and 2
 - b) 2 and 3
 - c) 1 and 3
 - d) All of the above

12. Consider the following statements about food safety in India:

1. The Food Safety and Standards Authority of India (FSSAI) regulates food businesses.
2. States can enact additional food safety rules under FSSAI.

Which of the above is/are correct?

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

13. Assertion: The retreat of Brazil's coast is exacerbated by rising sea levels.

Reason: The silting of rivers reduces natural beach replenishment.

- a) Both A and R are true, and R is the correct explanation of A.
- b) Both A and R are true, but R is not the correct explanation of A.
- c) A is true, but R is false.
- d) A is false, but R is true.

14. Consider the following statements about tanks in Ladakh:

1. Indian and Chinese armies have stationed tanks at high altitudes.
2. Indian tanks face challenges due to low oxygen and freezing temperatures.

Which of the above is/are correct?

- a) 1 only
- b) 2 only





- c) Both 1 and 2
- d) Neither 1 nor 2

15. Consider the following statements about the salt pan lands in Mumbai:

1. Salt pans help prevent flooding by absorbing rainwater.
2. The land has been allocated for rental housing under the Dharavi Redevelopment Project.
3. Construction can proceed without environmental clearances.

Which of the above is/are incorrect?

- a) 1 and 2
- b) 2 and 3
- c) 1 and 3
- d) All of the above

16. Assertion: Nano diamonds can enhance quantum computing and sensing.

Reason: Nano diamonds exhibit quantum mechanical properties like the Berry phase.

- a) Both A and R are true, and R is the correct explanation of A.
- b) Both A and R are true, but R is not the correct explanation of A.
- c) A is true, but R is false.
- d) A is false, but R is true.

17. Consider the following statements about antimicrobial resistance (AMR):

1. Superbugs are bacteria that have become resistant to antibiotics.
2. The development of new antibiotics has stagnated.

Which of the above is/are correct?

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

18. Consider the following statements about India's temples:

1. Hindu temples are governed by state laws.
2. Muslim and Christian places of worship are also under government control.

Which of the above is/are correct?

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

19. Assertion: India's elderly population is a growing market for healthcare services.

Reason: Government schemes like SACRED and SAGE aim to support senior citizens.

- a) Both A and R are true, and R is the correct explanation of A.
- b) Both A and R are true, but R is not the correct explanation of A.
- c) A is true, but R is false.
- d) A is false, but R is true.

20. Consider the following statements about Mount Everest's rise:

1. The nearby Arun River contributes to its rise.
2. Everest has been rising due to isostatic rebound. Which of the above is/are correct?





- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

21. Consider the following statements about the Public Health Emergency Management Act (PHEMA):

1. It is proposed to improve India's pandemic response.
 2. It will replace the National Disaster Management Act. Which of the above is/are correct?
- a) 1 only
 - b) 2 only
 - c) Both 1 and 2
 - d) Neither 1 nor 2

22. Assertion: Fluorescent nanodiamonds are stable and non-toxic.

Reason: They exhibit long fluorescence lifetimes, making them useful in medical imaging.

- a) Both A and R are true, and R is the correct explanation of A.
- b) Both A and R are true, but R is not the correct explanation of A.
- c) A is true, but R is false.
- d) A is false, but R is true.

23. Consider the following statements about climate scientists:

1. Some argue scientists should focus on research only.
2. Others believe scientists should advocate for climate action.

Which of the above is/are correct?

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

24. Assertion: The Swachh Bharat Mission achieved major milestones in public health.

Reason: It reduced infant mortality and prevented diarrheal deaths.

- a) Both A and R are true, and R is the correct explanation of A.
- b) Both A and R are true, but R is not the correct explanation of A.
- c) A is true, but R is false.
- d) A is false, but R is true.

25. Consider the following statements about India's rice exports:

1. The minimum export price for non-basmati white rice is set at \$490 per tonne.
2. Lifting the ban may increase domestic rice prices.

How many of the above statements are correct?

- a) 1 only
- b) 2 only
- c) Both 1 and 2
- d) Neither 1 nor 2

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Answers with Explanation

1. Answer: a) 1 and 2

Explanation: Assisted suicide is legal in Switzerland, but the Sarcopod raises concerns about legal loopholes and chemical laws.

2. Answer: a) Both A and R are true, and R is the correct explanation of A.

Explanation: The study suggests Earth's orbit will expand, helping it survive the Sun's red giant phase.

3. Answer: c) 1 and 3

Explanation: While increased production allowed the lifting of the ban, retail rice prices may increase, not decrease.

4. Answer: c) Both 1 and 2

Explanation: Both views exist regarding climate scientists' roles, making both statements correct.

5. Answer: c) 3 only

Explanation: The rise is primarily due to erosion and isostatic rebound, not solely tectonic activity.

6. Answer: c) Both 1 and 2

Explanation: The Atomic Energy Act limits private participation, and India aims to achieve 500 GW of non-fossil fuel energy by 2030.

7. Answer: b) Both A and R are true, but R is not the correct explanation of A.

Explanation: While digital inclusion is crucial, it's not the primary reason for elderly healthcare challenges.

8. Answer: d) All of the above

Explanation: The NITI Aayog report proposes a new law and various measures, including a vaccine bank and empowered secretaries.

9. Answer: b) 2 and 3

Explanation: While SBM achieved open defecation-free status, waste remediation is still a challenge, and SBM 2.0 focuses on this.

10. Answer: a) Both A and R are true, and R is the correct explanation of A.

Explanation: Netanyahu believes removing Iran's leadership will weaken groups like Hezbollah and stabilize the region.

11. Answer: c) 1 and 3





Explanation: The SEBI rules aim to curb volatility, not increase it. The other statements about contract size and premium are correct.

12. Answer: c) Both 1 and 2

Explanation: FSSAI regulates food businesses, and states can enact additional rules with FSSAI's approval.

13. Answer: a) Both A and R are true, and R is the correct explanation of A.

Explanation: Rising sea levels cause erosion, and silting reduces natural beach replenishment, supporting both statements.

14. Answer: c) Both 1 and 2

Explanation: Both statements are correct regarding the deployment and challenges faced by tanks in Ladakh.

15. Answer: c) 1 and 3

Explanation: While the salt pans absorb rainwater, construction can only proceed after environmental clearances.

16. Answer: a) Both A and R are true, and R is the correct explanation of A.

Explanation: Nano diamonds' quantum properties, including the Berry phase, make them useful for sensing and quantum computing.

17. Answer: c) Both 1 and 2

Explanation: Superbugs are resistant to antibiotics, and the development of new antibiotics has stagnated.

18. Answer: a) 1 only

Explanation: Hindu temples are under government control, but Muslim and Christian places of worship are not.

19. Answer: b) Both A and R are true, but R is not the correct explanation of A.

Explanation: While SACRED and SAGE support seniors, the challenge is primarily due to the rising elderly population.

20. Answer: c) Both 1 and 2

Explanation: Both statements are correct; the Arun River contributes to Everest's rise, and isostatic rebound plays a role.

21. Answer: a) 1 only

Explanation: PHEMA is proposed for public health emergencies, but it won't replace the National Disaster Management Act.

22. Answer: a) Both A and R are true, and R is the correct explanation of A.

Explanation: Nano diamonds' properties make them ideal for medical imaging, with the long fluorescence lifespan as a reason.





23. Answer: c) Both 1 and 2

Explanation: Both statements are correct, reflecting different perspectives on climate scientists' roles.

24. Answer: a) Both A and R are true, and R is the correct explanation of A.

Explanation: Swachh Bharat contributed to reducing deaths from diarrhea and improving public health.

25. Answer: c) Both 1 and 2

Explanation: Both statements are correct regarding the minimum export price and potential domestic price increases after the ban lift.

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