

GROUP B – SAMPLE PAPER

INTERNATIONAL AEROSPACE OLYMPIAD 2024

Multiple Choice Questions

- 1. Which planet is known as the Red Planet?**
 - a) Earth
 - b) Mars
 - c) Jupiter
 - d) Venus
- 2. What force helps airplanes to lift off the ground?**
 - a) Gravity
 - b) Thrust
 - c) Lift
 - d) Drag
- 3. Who was the first Indian to travel to space?**
 - a) Sunita Williams
 - b) Rakesh Sharma
 - c) Kalpana Chawla
 - d) Neil Armstrong
- 4. What do you call a person who travels into space?**
 - a) Aviator
 - b) Astronomer
 - c) Astronaut
 - d) Engineer
- 5. Which planet is closest to the Sun?**
 - a) Venus
 - b) Earth
 - c) Mercury
 - d) Mars
- 6. What is the main function of the wings on an airplane?**
 - a) Provide thrust
 - b) Provide lift
 - c) Provide stability
 - d) Reduce drag
- 7. What planet has a ring system?**
 - a) Mars
 - b) Jupiter
 - c) Saturn
 - d) Venus
- 8. What training do astronauts undergo before going to space?**
 - a) Cooking classes
 - b) Swimming lessons
 - c) Physical and mental training
 - d) Driving lessons
- 9. Which of the following is NOT a planet in our solar system?**
 - a) Earth
 - b) Pluto

- c) Jupiter
- d) Orion
- 10. **What force pulls everything toward the center of the Earth?**
 - a) Thrust
 - b) Lift
 - c) Gravity
 - d) Drag
- 11. **What helps birds and airplanes to fly?**
 - a) Their size
 - b) Their wings
 - c) Their speed
 - d) Their color
- 12. **What is aeronautics?**
 - a) Study of oceans
 - b) Study of space
 - c) Study of flying
 - d) Study of animals
- 13. **Who was the first person to walk on the moon?**
 - a) Yuri Gagarin
 - b) Neil Armstrong
 - c) Buzz Aldrin
 - d) Michael Collins
- 14. **How do planes generate thrust?**
 - a) By flapping wings
 - b) By engines
 - c) By using gravity
 - d) By using magnets
- 15. **Which planet is known for its beautiful rings?**
 - a) Uranus
 - b) Neptune
 - c) Saturn
 - d) Mars
- 16. **What is the primary gas in Earth's atmosphere?**
 - a) Oxygen
 - b) Hydrogen
 - c) Nitrogen
 - d) Carbon dioxide
- 17. **Which force acts against the motion of an airplane?**
 - a) Thrust
 - b) Lift
 - c) Drag
 - d) Gravity
- 18. **What does NASA stand for?**
 - a) National Aeronautics and Space Administration
 - b) National Air and Space Association
 - c) National Aerospace Safety Agency
 - d) National Aviation and Space Administration
- 19. **Which planet is known as the Earth's twin?**
 - a) Mars
 - b) Venus

- c) Jupiter
 - d) Neptune
20. **What is astronaut training often called?**
- a) Space school
 - b) Astronaut prep
 - c) Space camp
 - d) Astronaut training program

True/False Questions

21. **An astronaut is a person trained to travel in space.**
- True
 - False
22. **Airplanes can fly without engines.**
- True
 - False
23. **Birds and airplanes both rely on lift to fly.**
- True
 - False
24. **Saturn is the only planet with rings.**
- True
 - False
25. **Thrust is a force that opposes an airplane's motion.**
- True
 - False
26. **Rakesh Sharma was the first Indian to travel to space.**
- True
 - False
27. **Astronauts must undergo both physical and mental training.**
- True
 - False
28. **The wings of an airplane help it to generate thrust.**
- True
 - False
29. **The Earth orbits the sun once every 365 days.**
- True
 - False
30. **Gravity is the force that keeps us on the ground.**
- True
 - False
31. **Astronauts wear special suits to protect them in space.**
- True
 - False
32. **Birds use their wings to create lift and fly.**
- True
 - False
33. **Mars is known as the Blue Planet.**
- True
 - False
34. **Aeronautics is the study of rockets.**

- True
 - False
35. **Astronauts only need to be physically fit to travel to space.**
- True
 - False
36. **The sun is a star.**
- True
 - False
37. **Planes use engines to create lift.**
- True
 - False
38. **All planets in our solar system have moons.**
- True
 - False
39. **Astronaut training includes learning how to operate spacecraft systems.**
- True
 - False
40. **Airplanes and birds both need air to fly.**
- True
 - False
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Answers

1. b) Mars
2. c) Lift
3. b) Rakesh Sharma
4. c) Astronaut
5. c) Mercury
6. b) Provide lift
7. c) Saturn
8. c) Physical and mental training
9. d) Orion
10. c) Gravity
11. b) Their wings
12. c) Study of flying
13. b) Neil Armstrong
14. b) By engines
15. c) Saturn
16. c) Nitrogen
17. c) Drag
18. a) National Aeronautics and Space Administration
19. b) Venus
20. d) Astronaut training program
21. True
22. False
23. True
24. False
25. False

26. True
27. True
28. False
29. True
30. True
31. True
32. True
33. False
34. False
35. False
36. True
37. False
38. False
39. True
40. True