

GROUP C – 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. Which part of an airplane provides thrust?** a) Wings
b) Fuselage
c) Engine
d) Tail
- 9. What is the purpose of the Aditya L1 mission by ISRO?** a) To study the Moon
b) To study Mars
c) To study the Sun
d) To study Jupiter
- 10. Which planet is known for its Great Red Spot?** a) Mars
b) Jupiter
c) Saturn
d) Neptune
- 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. **How long does it take light from the Sun to reach Earth?** a) 8 seconds
b) 8 minutes
c) 8 hours
d) 8 days
21. **What is the cockpit of an airplane?** a) The section where passengers sit
b) The section where cargo is stored
c) The section where pilots control the plane
d) The section where the fuel is stored
22. **What planet is known as the Blue Planet?** a) Earth
b) Neptune
c) Uranus
d) Mars
23. **What is the main purpose of the tail on an airplane?** a) Provide lift
b) Provide thrust
c) Provide stability
d) Provide drag
24. **How long does it take for a spacecraft to travel from Earth to Mars?** a) About 1 month

- b) About 6 months
 - c) About 1 year
 - d) About 2 years
25. **What is astronaut training often called?** a) Space school
b) Astronaut prep
c) Space camp
d) Astronaut training program

True/False Questions

26. **An astronaut is a person trained to travel in space.**
 True
 False
27. **Airplanes can fly without engines.**
 True
 False
28. **Birds and airplanes both rely on lift to fly.**
 True
 False
29. **Saturn is the only planet with rings.**
 True
 False
30. **Thrust is a force that opposes an airplane's motion.**
 True
 False
31. **Rakesh Sharma was the first Indian to travel to space.**
 True
 False
32. **The wings of an airplane help it to generate thrust.**
 True
 False
33. **The Aditya L1 mission is intended to study the Sun.**
 True
 False
34. **Jupiter is known as the gas giant.**
 True
 False
35. **Gravity is the force that keeps us on the ground.**
 True
 False
36. **Astronauts wear special suits to protect them in space.**
 True
 False
37. **Birds use their wings to create lift and fly.**
 True
 False
38. **Mars is known as the Blue Planet.**
 True
 False
39. **Aeronautics is the study of rockets.**
 True

- False
- 40. **Astronauts only need to be physically fit to travel to space.**
 - True
 - False

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) Engine
9. c) To study the Sun
10. b) Jupiter
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. b) 8 minutes
21. c) The section where pilots control the plane
22. a) Earth
23. c) Provide stability
24. b) About 6 months
25. d) Astronaut training program
26. True
27. False
28. True
29. False
30. False
31. True
32. False
33. True
34. True
35. True
36. True
37. True
38. False
39. False
40. False