



## **QUIZ QUESTIONS ON OUTER SPACE AND ACHIEVEMENTS IN SPACE EXPLORATION**

1. Which of the following phenomena cannot be observed on the surface of the Moon?
  - a. Rising and setting of the Sun
  - b. Solar eclipse
  - c. Motion of comets
  - d. Twinkling of stars
2. Which of the following planets has a revolution time which is shorter than its rotation time?
  - a. Jupiter
  - b. Venus
  - c. Mars
  - d. Uranus
3. Which planet looks reddish in the night sky?
  - a. Jupiter
  - b. Saturn
  - c. Mars
  - d. Mercury
4. Which female astronaut spent the maximum time in space?
  - a. Lisa Norwak
  - b. Kalpana Chawla
  - c. Sunita Williams
  - d. None of these
5. Which planet has the fastest revolution time?
  - a. Mercury
  - b. Uranus
  - c. Neptune
  - d. Jupiter
6. What colour does the sky appear to an astronaut in outer space?
  - a. White
  - b. Black

- c. Blue
- d. Red

7. Which of the following planets rotates in a direction opposite to the direction of earth's rotation?

- a. Mars
- b. Jupiter
- c. Venus
- d. Mercury

8. What is the average distance (approximate) between the Sun and the Earth?

- a.  $70 \times 10^5$  km
- b.  $100 \times 10^5$  km
- c.  $110 \times 10^6$  km
- d.  $150 \times 10^6$  km

9. What was the name of the first space shuttle launched by NASA??

- a. Challenger
- b. Endeavour
- c. Discovery
- d. Columbia

10. Which of the following planets has a lesser rotation time than the Earth?

- a. Jupiter
- b. Mars
- c. Mercury
- d. Venus

11. What is the name of the first woman space tourist?

- a. Jullian Moore
- b. Anousheh Ansari
- c. Paula Radcliffe
- d. Namira Salim

12. Storms of gases are visible in the chromospheres of the Sun during

- a. Cyclones
- b. Anticyclones
- c. Lunar eclipse
- d. Solar eclipse

13. Who of the following was the world's first black spaceman?

- a. Prensa Latina.
- b. Arnaldo Tamayo Mendez.
- c. Yury Rumanenko.
- d. Robert Mendereze.

14. Who of the following was the first person to enter into space?

- a. Valentina Tereshkova
- b. Edward H. White
- c. Yuri Gagarin
- d. Alan Shepard

15. How much time does light require to travel distance of 150,000,000 kilometers from the Sun to the earth?

- a.  $8 \frac{1}{3}$  minutes
- b.  $8 \frac{1}{2}$  minutes
- c.  $8 \frac{1}{4}$  minutes
- d. 9 minutes

16. What is the name of the galaxy in which the earth is a planet?

- a. Andromeda
- b. Ursa Major
- c. Ursa Minor
- d. Milky Way

17. Between which two planets is the asteroid belt located?

- a. Earth and Mars
- b. Mars and Jupiter
- c. Jupiter and Saturn
- d. Saturn and Uranus

18. Which of the planets lies in the outermost orbit of the solar system?

- a. Saturn
- b. Neptune
- c. Mercury
- d. Uranus

19. Which of the following planets is named after a Greek God, unlike others which are named after Roman Gods?

- a. Uranus
- b. Neptune

- c. Jupiter
- d. Mercury

20. Which of the following planets is nearest to the sun?

- a. Saturn
- b. Jupiter
- c. Mars
- d. Mercury

21. A star of which colour can be said to be the coolest?

- a. Yellow
- b. Blue
- c. Red
- d. Black

22. In order to know the time, the astronauts orbiting in an earth satellite should use :

- a. a watch having mainspring to keep it going
- b. a pendulum clock
- c. either a pendulum clock or a watch
- d. an alarm clock

23. Which planets are located on either side of the earth?

- a. Mercury and Venus
- b. Mars and Jupiter
- c. Mars and Venus
- d. Venus and Saturn

24. Which of the following Planets have no moons?

- a. Pluto and Mercury
- b. Mars and Venus
- c. Mercury and Venus
- d. Pluto and Mars

25. Black hole is :

- a. A dark hollow cavity
- b. A massive collapsing star
- c. The other side on the moon
- d. The other side of sun

26. How old is the solar system (approximately)?

- a. 5 billion years
- b. 50 billion years
- c. 500 billion years
- d. 5 million years

27. Which of the following planets/celestial bodies is nearest to the Sun?

- a. Saturn
- b. Uranus
- c. Neptune
- d. Pluto

28. According to International Astronomical Union which one of the following has lost its status as a planet?

- a. Jupiter
- b. Uranus
- c. Neptune
- d. Pluto

29. 'New Horizons' spacecraft was launched by NASA to study which of the following planet?

- a. Mars
- b. Pluto
- c. Jupiter
- d. Mercury

30. Which is the coldest planet in the solar system?

- a. Pluto
- b. Venus
- c. Uranus
- d. Jupiter

31. Which of the following is the nearest galaxy to the Milky Way?

- a. Andromeda
- b. Cygnus
- c. Maffei
- d. Virgo A

32. Which planet has the solar system's highest mountain Olympus Mons?

- a. Jupiter
- b. Uranus
- c. Venus

d. Mars

33. Which of the following is not a gas planet?

- a. Jupiter
- b. Uranus
- c. Venus
- d. Neptune

34. Which of the following is the nearest star to our solar system?

- a. Barnard's Star
- b. Rigil Kentaurus
- c. Proxima Centauri
- d. Toliman

35. In which year did the USSR launch the first satellite into space?

- a. 1956
- b. 1957
- c. 1958
- d. 1959

36. Who of the following was the first American to go into space?

- a. John Glenn
- b. Allan Shepard
- c. Neil Armstrong
- d. Sally Ride

37. Which of the following is conventionally used as the start of outer space?

- a. Armstrong Line
- b. Shepard Line
- c. Karman Line
- d. Gravitational Line

38. How high from the sea level is the Karman line located?

- a. 20 km
- b. 50 km
- c. 75 km
- d. 100 km

39. Which was the first spacecraft to make a landing on the moon?

- a. Luna 2

- b. Sputnik 5
- c. Apollo 3
- d. Vostok 1

40. What kind of animal was the first to be sent into space?

- a. Monkey
- b. Goat
- c. Dog
- d. Rabbit

41. In which year was the first module of International Space Station launched into space?

- a. 1998
- b. 1999
- c. 2000
- d. 2001

42. Which was the first spacecraft to enter into interstellar space?

- a. Voyager 1
- b. Pioneer 10
- c. Mariner 1
- d. Galileo

43. Which was the first spacecraft to land on a comet?

- a. Helios
- b. Messenger
- c. Viking
- d. Philae

44. How far is the nearest star Proxima Centauri located from earth?

- a. 2.65 light years
- b. 3.85 light years
- c. 4.25 light years
- d. 4.76 light years

45. Which constellation contains the Polaris or the pole star?

- a. Orion
- b. Ursa Major
- c. Ursa Minor
- d. Canis Major

46. Which is the brightest star as visible in the night from Earth?

- a. Sirius
- b. Polaris
- c. Vega
- d. Capella

47. What is the landing site of Apollo 11, the first manned spacecraft on the moon known as?

- a. Sea of Tranquility
- b. Sea of Fertility
- c. Ocean of Storms
- d. Taurus-Littrow

48. If a person weighs 60 kg on Earth, what would be his weight on moon?

- a. 15 kg
- b. 10 kg
- c. 12 kg
- d. 20 kg

49. Which planet in the solar system has the highest density?

- a. Jupiter
- b. Earth
- c. Venus
- d. Mars

50. Which planet in the solar system has the shortest rotation period?

- a. Mercury
- b. Mars
- c. Jupiter
- d. Neptune

51. Which of the following dwarf planets is located closest to Earth?

- a. Makemake
- b. Eris
- c. Ceres
- d. Pluto

52. Which was the first planet to be discovered using a telescope?

- a. Uranus
- b. Neptune



- c. Saturn
- d. Pluto

53. In which year did Yuri Gagarin first enter space?

- a. 1960
- b. 1961
- c. 1962
- d. 1963

54. At what approximate are the geo-stationary satellites placed?

- a. 24,000 km
- b. 30,000 km
- c. 36,000 km
- d. 42,000 km

55. Which of the following is the largest natural satellite of a planet in the solar system?

- a. Europa
- b. Triton
- c. Titan
- d. Ganymede

56. In which layer of atmosphere do the satellites orbit the Earth?

- a. Exosphere
- b. Ionosphere
- c. Thermosphere
- d. Mesosphere

57. Which planet of the solar system has the lowest surface gravity?

- a. Earth
- b. Venus
- c. Mercury
- d. Neptune

58. Which was the first satellite launched by the USA?

- a. Explorer 1
- b. Luna 1
- c. Apollo 1
- d. Freedom 1

59. Phobos and Deimos are the moons of which of the following planets?

- a. Venus
- b. Mars
- c. Saturn
- d. Jupiter

60. Which of the following planets has a recognizable Great Red Spot on its surface?

- a. Mars
- b. Venus
- c. Uranus
- d. Jupiter

### **Answers**

1. d	2. b	3. c	4. c	5. a	6. b	7. c	8. d	9. d	10. a
11. b	12. d	13. b	14. c	15. a	16. d	17. b	18. b	19. a	20. d
21. c	22. a	23. c	24. c	25. b	26. a	27. a	28. d	29. b	30. c
31. a	32. d	33. c	34. c	35. a	36. b	37. c	38. d	39. a	40. c
41. a	42. a	43. d	44. c	45. c	46. a	47. a	48. b	49. b	50. c
51. c	52. a	53. b	54. c	55. d	56. a	57. c	58. a	59. b	60. d