

## ASTRO™ QUIZ 2024

**Duration:** 30 minutes

Please answer your questions on this question paper. Each question is followed by possible answers marked A, B, C and D or just A and B. Only one answer is correct. Choose the most correct answer and **circle** it clearly.

1. **The Meerkat telescope consists of 64 radio dishes. Kat-7 , the precursor to the Meerkat, consisted of .....radio dishes.**
  - A. 12
  - B. 3
  - C. 7
  - D. 9
2. **The Geodesy programme in South Africa can measure the orbits of satellites very accurately.**
  - A. True
  - B. False
3. **The name of the famous telescope in Sutherland is:**
  - A. South African Long Telescope
  - B. South African Large Telescope
  - C. South African Light Telescope
  - D. South African Lever Telescope
4. **Which South African astronomer showed that Proxima Centauri was the nearest star to the Sun?**
  - A. Dr Bernie Fanaroff
  - B. David Gill
  - C. Dr Thebe Medupe
  - D. Robert Innes
5. **The South African Astronomical Observatory was established in 1972 by combining the Royal Observatory with the Republic Observatory. Its headquarters are based in Johannesburg.**
  - A. True
  - B. False
6. **South Africa operated a tracking station for the National Aeronautics and Space Administration (NASA)**
  - A. True
  - B. False
7. **An exoplanet is a condensed form of the words “extra solar planet”**
  - A. True
  - B. False
8. **The Moon produces no light, and yet shines at night. This is because the Moon...**
  - A. Has many craters
  - B. Reflects light from the Earth
  - C. Reflects light from the Sun
  - D. Rotates at a very high speed
9. **A solar wind is made up of protons and gas.**
  - A. True
  - B. False
10. **Physicists have determined that the Sun can be thought of as consisting of .....layers.**
  - A. 5
  - B. 4
  - C. 7
  - D. 3
11. **Which are the four inner terrestrial planets?**
  - A. Mars, Earth, Venus and Mercury
  - B. Jupiter, Mercury, Uranus and Earth
  - C. Earth, Mars, Asteroids and Jupiter
  - D. Neptune, Mercury, Mars and Saturn
12. **Planets and stars are born from clouds of gas and dust.**
  - A. True
  - B. False
13. **Which statement is correct? Mercury has a/an .....**
  - A. elliptical orbit
  - B. round orbit
  - C. square orbit
  - D. triangular orbit

14. **Venus rotates on its own axis.**  
 A. True  
 B. False
15. **Pluto and Saturn have .....satellites.**  
 A. Less than 5 each  
 B. 61 and 2  
 C. 63 and 61  
 D. 5 and 61
16. **Only the side of Earth that is facing the Sun is lit, so on that side it is \_\_\_\_\_.**  
 A. Day  
 B. Noon  
 C. Night  
 D. Midnight
17. **Neptune has a large storm on its surface. It was discovered by .....**  
 A. Rover  
 B. Clyde Tombaugh  
 C. Voyager 1  
 D. Voyager 2
18. **The largest moon orbiting Neptune is .....**  
 A. Titania  
 B. Triton  
 C. Titan  
 D. Telesto
19. **Jupiter is the largest planet in our solar system.**  
 A. True  
 B. False
20. **The Earth is the third planet from the Sun in our solar system.**  
 A. False  
 B. True
21. **What is the name of the phenomenon by which a full moon appears slightly larger and brighter than usual?**  
 A. Super moon  
 B. Blue moon  
 C. Blood moon  
 D. Harvest moon
22. **What is the name of the force that keeps planets and other objects in orbit around a star?**  
 A. Magnetism  
 B. Gravity  
 C. Electromagnetism  
 D. Nuclear force
23. **The \_\_\_\_\_ is the natural satellite that orbits the Earth**  
 A. Jupiter  
 B. Comet  
 C. Sun  
 D. Moon
24. **What is the name of the mission that successfully landed the first human on the Moon in 1969?**  
 A. Apollo 11  
 B. Gemini 4  
 C. Mercury 3  
 D. Skylab 1
25. **What is the name of the planet known for its beautiful blue color?**  
 A. Saturn  
 B. Mars  
 C. Neptune  
 D. Jupiter
26. **What is the name of the dwarf planet that was demoted from full planet status in 2006?**  
 A. Makemake  
 B. Ceres  
 C. Eris  
 D. Pluto
27. **What is the name of the closest galaxy to our own?**  
 A. Triangulum  
 B. Milky Way  
 C. Whirlpool  
 D. Andromeda
28. **What is the name of the galaxy in which our solar system is located?**  
 A. Andromeda  
 B. Milky Way  
 C. Whirlpool  
 D. Triangulum
29. **What is the name of the nearest star to Earth?**  
 A. Alpha Centauri  
 B. Betelgeuse  
 C. Sirius  
 D. Proxima Centauri
30. **Which planet has a red spot on it?**  
 A. Jupiter  
 B. Neptune  
 C. Mars  
 D. Mercury

*Thank you for participating.*