

# INTERNATIONAL TALENT SEARCH EXAMINATION 2024 - 2025

## CLASS - V SUBJECT - SCIENCE

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- Fixed time signals for traffic were used first time in which city?
  - New Delhi
  - New York
  - Tokyo
  - London
- When we riding a bicycle, we should
  - always be in centre of road
  - zigzag way
  - keep straight left
  - None of these
- Which one of the behavior in the classroom is recommendable?
  - throwing paper on others
  - banging doors
  - keep quiet and obey teacher
  - both (a) and (b)
- Which of the following is/are a safety measure?
  - Keep left on road
  - Cross the road on zebra cross
  - Follow the traffic signal
  - All of these
- Which of the followings are present in carbohydrates?
  - Oxygen
  - Carbon
  - Hydrogen
  - All of these
- In bar magnet, the molecules are held by
  - strong force of attraction
  - weak force of attraction
  - No force of attraction
  - Strong force of repulsion
- Go through the given table and name the solutes which are soluble in water.

Substance	Solvent	Remarks
(i) Sand	Water	Does not dissolve
(ii) Sugar	Water	Dissolves
(iii) Salt	Water	Dissolves
(iv) Water	Kerosene	Does not dissolve
(v) Oxygen	Water	Dissolve

  - Sand and sugar
  - Sand and salt
  - Salt and sugar
  - Salt solution

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8. Heat conduction occur fastest in
- A) Solid
  - B) Liquid
  - C) Gas
  - D) None of these
9. Which of the followings determines the state of matter?
- A) Size
  - B) Shape
  - C) Structure
  - D) Arrangement of molecules
10. Which of these process converts liquid to gaseous state?
- A) Condensation
  - B) Evaporation
  - C) Melting
  - D) Freezing
11. Which of the following has been in space for record highest time for a women?
- A) Kalpana Chawla
  - B) Sunita William
  - C) Sally Ride
  - D) Valentina
12. The height of tides vary with phases of moon the highest tides occur at the time of
- A) New moon
  - B) Full moon
  - C) Crescent moon
  - D) Both (a) and (b)
13. The model of earth is called
- A) Globe
  - B) World map
  - C) Both (a) and (b)
  - D) None of these
14. The first man made satellite was
- A) Apple
  - B) Google
  - C) Aryabhata
  - D) Sputnik 1
15. What is/are not present in space?
- A) Gravity
  - B) Water
  - C) Food
  - D) All of these
16. Eclipse occurs. Because of
- i. Light travels in straight line.
  - ii. The earth revolves around the sun and the moon revolves around the earth
  - iii. The earth rotates on its axis

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## iv. Moon reflects sunlight

The correct is

- A) Only (ii)
- B) Only (i) and (ii)
- C) Only (ii) and (iv)
- D) Only (i), (ii) and (iv)

17. Which of the following is a constellation?

- A) Big dipper
- B) Ursa major
- C) Ursa minor
- D) All of these

18. What is the name of the galaxy in which we live?

- A) Milky way
- B) Andromeda
- C) Orion
- D) All of these

19. The distance of star from earth is measured in

- A) kilometer
- B) metres
- C) light year
- D) Nautical mile

20. Which of the following is not true with respect to the moon?

- A) Moon pulls the ocean water
- B) No sound can be heard on moon
- C) Moons gravity is 176th of earth
- D) Moon's atmosphere can filter the dangerous radiation

21. Which of the following is not an Indian satellite?

- A) Aryabhata
- B) INSAT
- C) IRS
- D) SPUTANIK-1

22. Total or partial darkening of sun or moon is called?

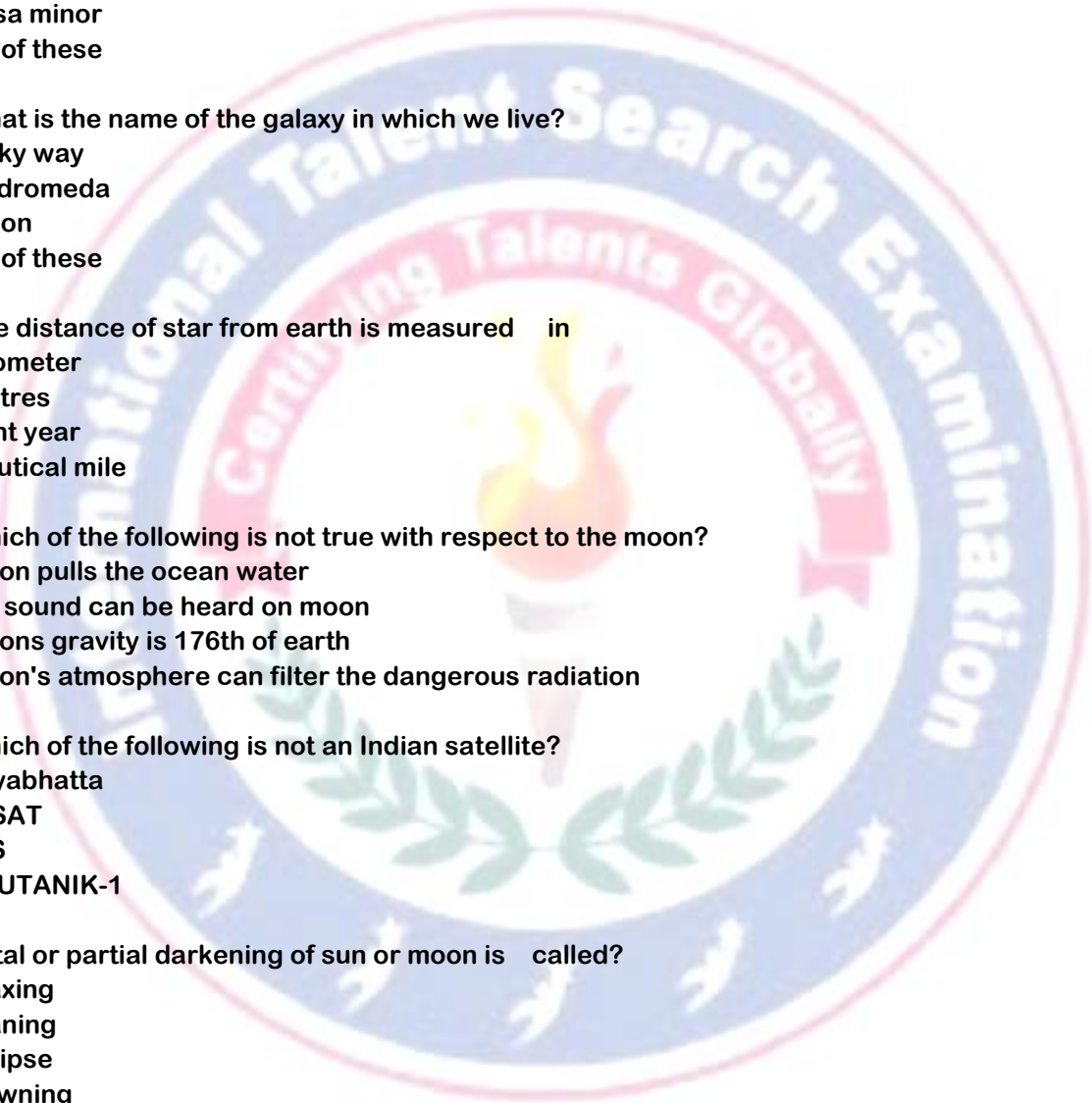
- A) Waxing
- B) Waning
- C) eclipse
- D) Dawning

23. On viewing earth from moon it looks


- A) Red
- B) Blue
- C) Green
- D) None of these

24. Which of the following is true about asteroids?

- A) Asteroids don't revolve around the sun as planets.
- B) Asteroids belt is between Venus and Jupiter.



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- C) Asteroids are planets like objects but smaller and often irregularly shaped.  
D) Asteroids can't classified into groups
25. The planet on which the chances of life existed, resembling earth and red in colour is  
A) Jupiter  
B) Saturn  
C) Mercury  
D) Mars
26. Gravity on the moon is comparison to earth is  
A) double  
B) half  
C) quarter  
D) one sixth
27. Titan is satellite of which planet  
A) Jupiter  
B) Mars  
C) Saturn  
D) Uranus
28. In which phase of the moon during which an eclipse occurs?  
A) New moon  
B) Full moon  
C) Crescent  
D) Quarter
29. Which of the following instrument is for observing the moon and the distant stars?  
A) Bioscope  
B) Microscope  
C) Telescope  
D) Stethoscope
30. First women to go in space was  
A) Kalpana Chawla  
B) Velentina Tereshkova  
C) Sunita William  
D) Both (a) and (b)
31. First Indian satellite was named as  
A) Aryabhata  
B) INSAT  
C) IRS  
D) SPUTNIK
32. Helley's comet usually seen after how many years?  
A) 52 Yrs  
B) 76 yrs  
C) 80 yrs  
D) 100 yrs
33. First Indian to go in space
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- A) Kalpana Chawla
- B) J Norway
- C) Rakesh Sharma
- D) Amol Sharma

34. Mars's satellites are

- A) Titan
- B) Phobos and Deimos
- C) Ganymede
- D) None of these

35. Select the incorrect match from the following.

- A) Venus - Called morning or evening star.
- B) Saturn - Its rings are made of rocks and dust
- C) Mercury - Hottest planet.
- D) Jupiter - Largest and fastest spinning planet.

36. Which of the planet is farthest from the sun?

- A) Uranus
- B) Saturn
- C) Neptune
- D) Jupiter

37. Which of the following is correct phases arrangement in waxing phase of Moon.

- A) New moon → Crescent → Half moon → Gibbous → Full moon
- B) Gibbous → Full moon → Crescent → New moon → Half moon
- C) Half moon → Full moon → Crescent → Gibbous
- D) Full moon → New moon → Gibbous Crescent → Half moon

38. Bottle opener is an example of

- A) An inclined plane
- B) First class lever
- C) 2nd class lever
- D) 3rd class lever

39. Pick the odd one out.

- A) Friction
- B) Weight
- C) Energy
- D) Air resistance

40. A simple machine

- A) Improves the movement only
- B) Do more work with less effort?
- C) Changes the direction of forces in all situation
- D) All of these

41. Movement of water in ocean due to heating can be shown by the model of

- A) Boiling salt water till it begins to evaporate
- B) Mixing of fresh water (coloured red) in a large pan.
- C) Cooling of water until it freezes and then observing it as it thaws.
- D) Pouring heated coloured water into one end of a large pan of cool water

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42. Stapler belongs to which class of lever

- A) Class I lever
- B) Class II lever
- C) Class III lever
- D) Inclined plane

43. A ramp is a good example of

- A) A lever
- B) A wedge
- C) A screw
- D) An inclined plane

44. A dry comb after combing the hairs is brought near the tiny pieces of paper, what happens?

- A) The paper pieces will get repelled due to magnetic force
- B) The paper pieces will get repelled due to electrostatic force
- C) The paper pieces will get attracted and stick with comb due to electrostatic force
- D) The paper pieces will get attracted to comb due to friction force

45. Which of the following form of energy is required to boil the water?

- A) Electric energy
- B) Heat energy
- C) Mechanical energy
- D) All of these

