

# INTERNATIONAL TALENT SEARCH EXAMINATION 2024 - 2025

## CLASS - V SUBJECT - SCIENCE

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1. Due to excessive cutting of trees and cleaning of forest to accommodate growing populations increased demand of food and accommodation, which of the following will result
  - i. Soil erosion
  - ii. Animal extinction
  - iii. Global warming
  - iv. Loss of medicinal plants
  - A) (i) and (ii) only
  - B) (iii) and (iv) only
  - C) (i) (ii) (iv)
  - D) All of these
  
2. A particular community is exposed excessive noise pollution, what will be result after some times to members of the community
  - A) Headache
  - B) Deafness
  - C) Lack of sleep
  - D) All of these
  
3. Harish is a nature lover. He always wants to act in an eco-friendly way whereas his brother is opposite to him. His brother always throws daily wastes and garbage in open vacant space. What advice Harish should give to his brother to minimize the pollution
  - A) to throw the waste in nearby water source
  - B) Bum the waste in open
  - C) Collect them in big polythene and dump at distant open space
  - D) Separate the wet and dry in different container
  
4. Find the substance which is not placed in proper table given below.

Non-biodegradable	Biodegradable
i. Plastic bucket	Animal bodies
ii. Iron utensils	Cotton clothes
iii. Iron utensils	Fruits and vegetable peels
iv. Aluminium foil	Polyester clothes

  - A) Animal bodies
  - B) Polyester clothes
  - C) Plastic bucket
  - D) Cotton clothes
  
5. Which scale used to measure the, intensity of earthquake?
  - A) Ruler scale
  - B) Richter scale
  - C) Barometer scale
  - D) Pascal
  
6. Karnataka state suffered draught for three consecutive years. What will be the condition of water table in the state?
  - A) becomes higher due to constant evaporation, flow
  - B) It remains same as the soil protects from heat
  - C) Gets lower because of continuous evaporation and flow

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D) It gets replenished continuously.

7. Which of the following are causes of draught.

- A) scarcity of rain fall
- B) severe hot days
- C) dry windy condition
- D) All of these

8. Rain water harvesting is the solution of water problem. In this method

- A) We don't use water from well to save water
- B) Stops growing crops to save water
- C) Allowing rainwater to go in rivers and seas
- D) Collecting rain water and storing it for later use

9. The persons who are involved in study of earthquake are called

- A) Astrologers
- B) Seismologist
- C) Environmental
- D) None of these

10. Status of bacterial count, oxygen level, no of area plant and animals given below of four river side cities. Which of them situated near an unpolluted river, on the basis of the given data

City	No. of plant	No. of Animals	Bacterial count	Oxygen level
A	Few	Few	Low	High
B	Few	Many	High	Low
C	Few	Few	High	Low
D	Many	Many	Low	High

11. Bio-magnification is the process, in which

- A) Accumulation of harmful and toxic chemicals at each trophic level
- B) Excessive growth of weeds and plant on water surface
- C) Conversion of harmful things to useful things
- D) None of these

12. The reading on Richter scale above which mark can severe damage

- A) 3
- B) 5
- C) 2
- D) 1

13. Which of the following action is environment friendly to reduce pollution

- (i) Use of unleaded petrol in vehicles
- (ii) Use of pesticides and insecticides in plants
- (iii) Using sewer treatment plant
- (iv) Restricting smoking in public to designated space

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- A) (i) and (ii)
- B) (ii) and (iii)
- C) (i) (ii) (iii)
- D) (i) (iii) and (iv)

14. Which of the following is not a pollutant?

- A) Lead oxide
- B) Sulphur dioxide
- C) Water vapour
- D) Nitrogen oxide

15. The liquid which comes out of an active volcano is called

- A) Water vapour
- B) lava
- C) Magma
- D) Petroleum

16. Two table of biodegradable and non-biodegradable are listed below. After reading the table, Ramesh has made some references. Which of them is correct?

- | Biodegradable      | Non-biodegradable |
|--------------------|-------------------|
| i. Fruit           | Gold chain        |
| ii. Meat           | Clay pots         |
| iii. Dairy product | Cans              |
- A) All non-biodegradables are hard
  - B) All living things are non-biodegradable
  - C) Objects from nature (livings) are biodegradable
  - D) Biodegradable only comes from animals.

17. There many natural process which brings changes on surface of the earth. Which of the following process would bring the slowest change on earth surface?

- A) Landslides
- B) Wind
- C) Earthquake
- D) Volcano

18. Presence of undesirable substances in water is called

- A) water cycle
- B) water vegetation
- C) Water pollution
- D) water vapour

19. Toxic chemicals in soil can harm by

- A) changing weather
- B) more air pollution
- C) disturb ground water
- D) by absorbed in food chain

20. Which of the following statement is correct?

- A) Crust of the earth is made up of volcano
- B) Magnitude of tsunami is measured in Richter scale
- C) Volcano can be active, dormant on extinct
- D) The liquid that comes out of a volcano is magma

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21. Breathing problems are very common in metropolitan cities like Delhi. Doctors advise go to the rural area because
- A) These are highly polluted and populated
  - B) Clean and green area in metres
  - C) Unavailability of good hospital in metres
  - D) Earthquake prone area
22. Which of the followings substances can be recycled from the given substance plastic Bucket, aluminum container, newspaper, carton box
- A) Plastic bucket
  - B) Aluminum container
  - C) Carton box
  - D) All of these
23. Water can be reused with which of the following methods
- A) Collect rain water to clean vegetable
  - B) Collect water from leaking tap to cook
  - C) Washing machine drain water to clean the toilet
  - D) Washing machine water to use watering plants
24. Which of the following is directly and indirectly related to air pollution?
- A) Ecological imbalance
  - B) Green-house effect
  - C) Global warming
  - D) All of these
25. Global warming is related to which set of gases
- A) Sulphur dioxide, nitrogen, carbon dioxide, ozone.
  - B) Chlorofluro carbon, oxygen, nitrogen, carbon dioxide
  - C) Methane, carbon dioxide, nitrous oxide, water vapour
  - D) oxygen, carbon dioxide, ozone, methane
26. If there is very scarce rain or no rain the crops fail to grow. This condition will lead to
- A) Famine
  - B) Draught
  - C) Flood
  - D) Both (a) & (b)
27. If earthquake occurs which of the following is not a safety measure
- A) Stay indoor under a table or desk
  - B) Stay outdoor away from the building or tree
  - C) If on a beach, move to sea
  - D) All of these
28. In a pesticide contaminated ponds food chain, which contains the maximum amount of pesticides Plant → Small fish → Large fish
- A) Plants
  - B) Small fish
  - C) Large fish
  - D) All of these
29. Terrace farming helps in

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- A) Reducing soil erosion by non- marble land
- B) Reducing soil erosion by water
- C) Reducing soil erosion by over grazing
- D) Reducing soil erosion by deforestation

30. Tsunami is

- A) Flood of plane
- B) High tidal waves in sea beaches and nearly area
- C) Earthquake
- D) Volcano

31. Which of the following are compressible?

- (i) Steam
- (ii) Oxygen
- (iii) Nitrogen
- A) (i) and (ii) only
- B) (ii) and (iii) only
- C) (i) and (iii) only
- D) All of these

32. In the given table state of matter, their properties and their examples are represented by letters W, X, Y, Z.

State of matter	Property	Example
i. W	Definite shape	Table
ii. Liquid	X	Oil
iii. Y	No definite volume and shape	Z

Oxygen can be placed in the place of letter

- A) X
- B) Y
- C) Z
- D) W

33. Ice-cream melts when energy in the form of .....is supplied

- A) Electricity
- B) Light
- C) Sound
- D) heat

34. The process by which water change to ice

- A) Melting
- B) Freezing
- C) Evaporation
- D) Condensation

35. Which would be the best material for making the handle of the tea kettle?

- A) Wood
- B) Aluminum
- C) Glass
- D) Iron

36. Plastic has become a commonly utilized material because

- A) Environment friendly

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- B) Durable
- C) Light in weight
- D) (b) and (c) both

37. Matter can be defined as something, which has

- A) Weight (mass)
- B) made up of atoms or molecules
- C) can exist in three states
- D) All of these

38. The intermolecular space between the molecule is maximum in which state

- A) Gas
- B) Liquid
- C) Solid
- D) All of these

39. Rajesh looking through a material which condition represents a translucent material

- A) Able to see clearly through it
- B) Not able to see at all through it
- C) Able to see partially
- D) All of these

40. The forces of attraction between the molecules is strongest in which condition

- A) Solid
- B) Liquid
- C) Gaseous
- D) None of these

41. Select the false statement from the following

- A) Matter exists in three forms
- B) Matter is changeable from one form to another
- C) A new substance is formed by chemical reaction
- D) Ice is heavier than water

42. Two syringes P and Q were filled with two different substances. After closing the outlet plunger was pushed. Syringe P was pushed sometime but Q was not pushed at all. What will be likely substance in P and Q syringe.

- A) Air and water
- B) oil and water
- C) oil and air
- D) water and oil

43. Which of the following is not true?

- A) Air is not a matter
- B) Atom is smallest amount
- C) Molecules in solids are closely packed
- D) Matter is made up of atom and molecules

44. A substance which allows light to pass through it, can break when heated also it does not come from plant source could be

- A) Ceramic tile
- B) Rubber band

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- C) Glass pan
- D) Iron rod

45. Oxygen, carbon dioxide and nitrogen can be grouped together, because at room temperature they are all.

- A) Suspension
- B) Colloids
- C) Solid
- D) Gases

