

National Level ScienceX Olympiads

ScienceX Olympiad | Level 1

Name: _____

Date: _____

Exam Instructions

1. The timer has been set for the exam, and a countdown will display the remaining time. When the timer runs out, the exam will end automatically. No further action will be required after that.
2. You can flag any question that you want.
3. If you don't want to submit any of your provided answers, you can clear them.
4. If you choose to drop this exam, it will not be submitted, and no result will be generated.
5. Once you finish the exam, you cannot resume it.

Secure Exam Advice

This exam is specially secured. Which means you cannot leave your browser window once the exam starts.

The following actions are not supported during your exam.

- Minimizing the browser
- Resizing the browser
- Open a new tab
- Open a new program
- Taking a screenshot
- Pressing Ctrl + C
- Pressing Ctrl + V
- Pressing Print Screen
- Pressing F12

We are monitoring your activity during the exam, and any unusual behaviour is being tracked. Your admin has set the exam to terminate if a certain number of unusual activities are detected, which could be as low as one. To avoid your exam from being terminated, please refrain from any behaviour that may be considered unusual. All the best!

Question: 1 of 50

QID: 531

Marks: 4

28. Which of the following parasite lives on host's body?

Please mark (✓) for the correct answer.

- A. Tapeworm B. Lice
- C. Roundworm D. Cockroach

44. Amit rushed towards a shelter when he saw a large sheet of snow sliding down the slope. He was caught with a/an-

Please mark (✓) for the correct answer.

- A. Tsunami
- B. Avalanche
- C. Landslide
- D. Earthquake

49. Which of the following is a function of queen-bee in the beehive?

Please mark (✓) for the correct answer.

- A. To make the beehive.
- B. To lay eggs
- C. To look after the baby bees.
- D. To collect nectar from flowers

7. What is the average temperature on the surface of the moon at night?

Please mark (✓) for the correct answer.

- A. -100°C
- B. 173°C
- C. 100°C
- D. -173°C

14. Which of these mammals do not have hair on their body?

Please mark (✓) for the correct answer.

- A. Whale and Dolphin
- B. Giraffe and Zebra
- C. Elephant and giraffe
- D. Lion and Tiger

30. Plants growing in desert areas have spines instead of leaves. How do these plants make food in the absence of leaves?

Please mark (✓) for the correct answer.

- A. Roots make food
- B. Spines themselves make food.
- C. Flowers make food
- D. Green, fleshy stem makes food

31. Excessive rain causes-

Please mark (✓) for the correct answer.

- A. Drought B. Clouds
 C. Earthquake D. Flood

48. _____ is known as evening star.

Please mark (✓) for the correct answer.

- A. Mercury B. Earth
 C. Venus D. Mars

5. Which of these animals is warm blooded?

Please mark (✓) for the correct answer.

- A. Bear B. Lizard
 C. Crocodile D. Snake

38. Objects that do not give out light are called _____.

Please mark (✓) for the correct answer.

- A. Transparent B. Non-luminous
 C. Opaque D. Luminous

21. Which of these are used for cutting and biting food?

Please mark (✓) for the correct answer.

- A. Premolars B. Molars
 C. Incisors D. Canines

10. Which of these is NOT a method to clean water?

Please mark (✓) for the correct answer.

- A. Squeezing
- B. Filtration
- C. Sedimentation
- D. Decantation

23. Which of these diseases is caused by bacteria?

Please mark (✓) for the correct answer.

- A. Typhoid and influenza
- B. Typhoid and cholera
- C. Malaria and food poisoning
- D. Influenza and common cold

22. Calcium, iron, potassium, iodine and common salt are examples of-

Please mark (✓) for the correct answer.

- A. Carbohydrates
- B. Proteins
- C. Minerals
- D. Vitamins

26. Cutting down trees in large numbers is called?

Please mark (✓) for the correct answer.

- A. Oxygen
- B. Deforestation
- C. Erosion
- D. Afforestation

46. Which of the following options group all the greenhouse gases?

Please mark (✓) for the correct answer.

- A. Carbon dioxide, Methane, Water Vapour and ozone
- B. Nitrogen, oxygen, Carbon dioxide and Methane
- C. Carbon dioxide, Methane, Water Vapour and oxygen
- D. Oxygen, Carbon Dioxide, Water Vapour and Methane

16. Which of these is a process by which waste is removed from the body?

Please mark (✓) for the correct answer.

- A. Digestion
- B. Excretion
- C. Skeleton
- D. Circulation

40. Which of the following is a simple machine used to draw water from a well?

Please mark (✓) for the correct answer.

- A. Inclined plane
- B. Pulley
- C. Lever
- D. Khunti

11. What causes a ripe mango to fall on the ground?

Please mark (✓) for the correct answer.

- A. Energy of the earth
- B. Gravity
- C. Friction
- D. Energy of the sun

33. How many pairs of ribs do you have?

Please mark (✓) for the correct answer.

- A. 14
- B. 8
- C. 12
- D. 10

13. Which of these help a fish to swim in water?

Please mark (✓) for the correct answer.

- A. Scales
- B. Fins
- C. Backbone
- D. Gills

29. Handpicking method is used for separating-

Please mark (✓) for the correct answer.

- A. Water vapours from air
- B. Husk and dust particles.
- C. Grains from stalk
- D. Heavy particles at the bottom

45. Garima was drinking water when suddenly, she got choked. The water might have entered her _____ instead of _____.

Please mark (✓) for the correct answer.

- A. Food pipe, Oesophagus
- B. Windpipe, Oesophagus
- C. Food pipe, Windpipe
- D. Oesophagus, food pipe

25. Which of these would you use to preserve grapes as raisins?

Please mark (✓) for the correct answer.

- A. Refrigerating
- B. Drying
- C. Canning
- D. Pickling

1. Where does digestion begin? (Our digestive system)

Please mark (✓) for the correct answer.

- A. Mouth
- B. Stomach
- C. Small Intestine
- D. Large Intestine

9. Which of these refers to the energy generated using water?

Please mark (✓) for the correct answer.

- A. Water power
- B. None of these
- C. Electrical water
- D. Hydroelectric power

17. Why do we find coconut trees in coastal areas?

Please mark (✓) for the correct answer.

- A. Because the soil is sticky.
- B. Because coconut trees can survive in salty water.
- C. Because they are tall and rain can slide off easily.
- D. Because coconut trees have thorns that help them to conserve water.

35. The axis of the earth is-

Please mark (✓) for the correct answer.

- A. Curved
- B. Tilted
- C. Long
- D. Straight

20. Which of these would you wear to stay dry during rains?

Please mark (✓) for the correct answer.

- A. Waterproof clothes
- B. Clothes made of linen
- C. Dark coloured warm clothes
- D. Cotton clothes

4. Which of these is NOT true about how trees help us? (Keeping our earth green)

Please mark (✓) for the correct answer.

- A. They are home to many animals.
- B. They are used to make furniture.
- C. They hold the soil.
- D. They increase the amount of carbon dioxide in the air.

47. Fish live longer in a aquarium with water plants in it, than in one without them. Why?

Please mark (✓) for the correct answer.

- A. Because plants release carbon dioxide.
- B. Because plants prepare food.
- C. Because plants provide more water.
- D. Because plants release oxygen.

27. In which month is VAN MAHOTSAV celebrated every year?

Please mark (✓) for the correct answer.

- A. July B. January
 C. June D. April

43. Match Column I with Column II and select the correct option.

Column I

- (a) Cotton
(b) Kimono
(c) Wool
(d) Nylon

Column II

- (i) Traditional dress
(ii) Natural fibre
(iii) Man-made fibre
(iv) Makes us feel warm

Please mark (✓) for the correct answer.

- A. (a) - (i) , (b) - (ii) , (c) - (iv) , (d) - (iii)
 B. (a) - (iii) , (b) - (ii) , (c) - (i) , (d) - (iv)
 C. (a) - (iv) , (b) - (ii) , (c) - (iii) , (d) - (i)
 D. (a) - (ii) , (b) - (i) , (c) - (iv) , (d) - (iii)

18. Which of these is NOT needed by the plants to make food?

Please mark (✓) for the correct answer.

- A. Carbon dioxide B. None of the above
 C. Water D. Sunlight

6. Which of these animals live on trees?

Please mark (✓) for the correct answer.

- A. Sloths B. All of these
 C. Turtles D. Earthworms

24. Which of these vitamins help in improving the eye sight?

Please mark (✓) for the correct answer.

- A. Vitamin C
- B. Vitamin D
- C. Vitamin B
- D. Vitamin A

42. Earth's atmosphere contains ____% of nitrogen.

Please mark (✓) for the correct answer.

- A. 90
- B. 70
- C. 81
- D. 78

8. What causes day and night?

Please mark (✓) for the correct answer.

- A. Change of the position of the moon
- B. Change of the position of the sun
- C. Rotation of the earth
- D. Revolution of the earth

19. Which of these is the solute in sugar solution?

Please mark (✓) for the correct answer.

- A. Spoon
- B. Milk
- C. Water
- D. Sugar

2. Which of these processes is used to make a fabric? (Clothes we wear)

Please mark (✓) for the correct answer.

- A. Yarns and fibres
- B. Fabrics and fibres
- C. All of these
- D. Weaving and Knitting

37. _____ is a natural source of energy.

Please mark (✓) for the correct answer.

- A. Rock B. Gravity
 C. Sun D. Earth

32. A group of stars is a –

Please mark (✓) for the correct answer.

- A. Constellation B. Galaxy
 C. Bundle D. Planet

3. Which of the following animals show metamorphosis? (How animals survive)

Please mark (✓) for the correct answer.

- A. Butterfly B. Hen
 C. Frog D. Both of the above

36. Leaves appear green due to the presence of-

Please mark (✓) for the correct answer.

- A. Oxygen B. Stomata
 C. Soil D. Chlorophyll

15. Which of these stages does the caterpillar belong to?

Please mark (✓) for the correct answer.

- A. Larva B. Pupa
 C. None of the above D. Adult

12. Which of these is NOT a form of energy?

Please mark (✓) for the correct answer.

- A. Chemical
- B. Electrical
- C. Mechanical
- D. Frictional

34. Which of the following animals can trick its enemies by camouflaging?

Please mark (✓) for the correct answer.

- A. Chameleon
- B. Deer
- C. Vulture
- D. Elephant

39. _____ is caused by noise pollution.

Please mark (✓) for the correct answer.

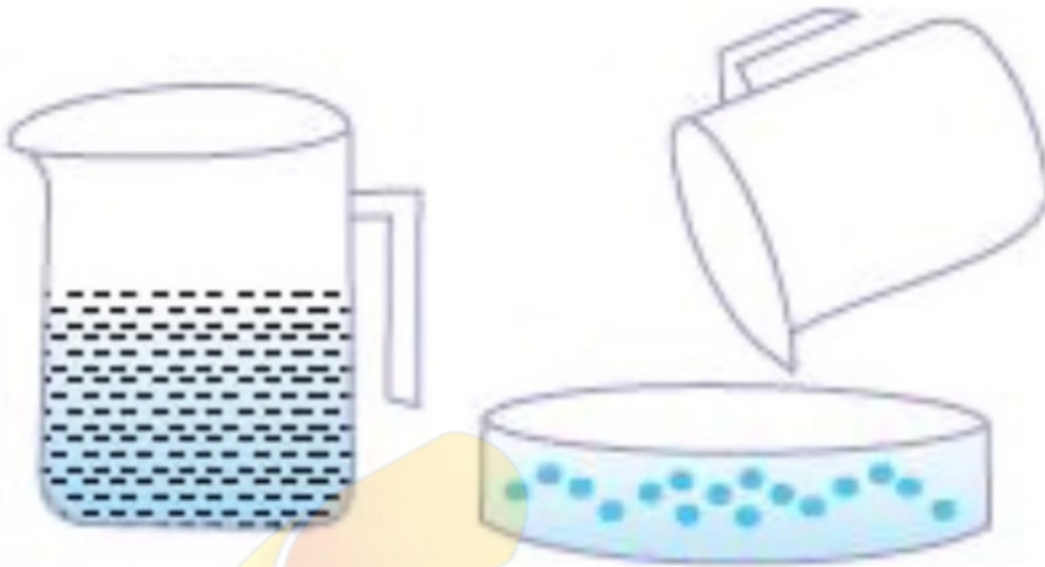
- A. Jaundice
- B. Asthma
- C. Sleep Disturbance
- D. Dysentery

50. Which of these organs store urine?

Please mark (✓) for the correct answer.

- A. Ureter
- B. Urinary bladder
- C. Urethra
- D. Kidneys

41. There is some water in a jug. Which of the following will happen if all the water is poured into an empty pan from the jug?



Please mark (✓) for the correct answer.

- A.** Molecules of water will become close together
- B.** Molecules of water will go very far away from each other.
- C.** Shape of water will change
- D.** Volume of water will change

--- END OF QUESTION PAPER ---

Answer Key

No	Question Type	QID	Correct Answer
Question - 1	Multiple Choice (Radiobutton)	531	B
Question - 2	Multiple Choice (Radiobutton)	545	B
Question - 3	Multiple Choice (Radiobutton)	525	B
Question - 4	Multiple Choice (Radiobutton)	504	D
Question - 5	Multiple Choice (Radiobutton)	518	A
Question - 6	Multiple Choice (Radiobutton)	522	D
Question - 7	Multiple Choice (Radiobutton)	527	D
Question - 8	Multiple Choice (Radiobutton)	540	C
Question - 9	Multiple Choice (Radiobutton)	499	A
Question - 10	Multiple Choice (Radiobutton)	537	B
Question - 11	Multiple Choice (Radiobutton)	513	C
Question - 12	Multiple Choice (Radiobutton)	517	A
Question - 13	Multiple Choice (Radiobutton)	514	B
Question - 14	Multiple Choice (Radiobutton)	502	C
Question - 15	Multiple Choice (Radiobutton)	526	B
Question - 16	Multiple Choice (Radiobutton)	524	A
Question - 17	Multiple Choice (Radiobutton)	506	B
Question - 18	Multiple Choice (Radiobutton)	539	B
Question - 19	Multiple Choice (Radiobutton)	498	B
Question - 20	Multiple Choice (Radiobutton)	521	C
Question - 21	Multiple Choice (Radiobutton)	515	B
Question - 22	Multiple Choice (Radiobutton)	535	B
Question - 23	Multiple Choice (Radiobutton)	530	B
Question - 24	Multiple Choice (Radiobutton)	512	B
Question - 25	Multiple Choice (Radiobutton)	507	A
Question - 26	Multiple Choice (Radiobutton)	520	D
Question - 27	Multiple Choice (Radiobutton)	508	B
Question - 28	Multiple Choice (Radiobutton)	538	B
Question - 29	Multiple Choice (Radiobutton)	501	A
Question - 30	Multiple Choice (Radiobutton)	503	D
Question - 31	Multiple Choice (Radiobutton)	543	D
Question - 32	Multiple Choice (Radiobutton)	532	A
Question - 33	Multiple Choice (Radiobutton)	542	D
Question - 34	Multiple Choice (Radiobutton)	511	B
Question - 35	Multiple Choice (Radiobutton)	505	A
Question - 36	Multiple Choice (Radiobutton)	516	D
Question - 37	Multiple Choice (Radiobutton)	534	B
Question - 38	Multiple Choice (Radiobutton)	519	C
Question - 39	Multiple Choice (Radiobutton)	509	D
Question - 40	Multiple Choice (Radiobutton)	496	D
Question - 41	Multiple Choice (Radiobutton)	533	C
Question - 42	Multiple Choice (Radiobutton)	541	A
Question - 43	Multiple Choice (Radiobutton)	497	D

No	Question Type	QID	Correct Answer
Question - 44	Multiple Choice (Radiobutton)	523	D
Question - 45	Multiple Choice (Radiobutton)	510	A
Question - 46	Multiple Choice (Radiobutton)	500	D
Question - 47	Multiple Choice (Radiobutton)	528	A
Question - 48	Multiple Choice (Radiobutton)	529	C
Question - 49	Multiple Choice (Radiobutton)	544	B
Question - 50	Multiple Choice (Radiobutton)	536	C

--- END OF ANSWER KEY ---

