

# INTERNATIONAL SKILL ENHANCEMENT TRAINING (iSET) 2019

## CLASS 9

- Max Marks 100
- All questions are compulsory.
- Each question carries 2 marks.

Name: \_\_\_\_\_

Reg No.: \_\_\_\_\_

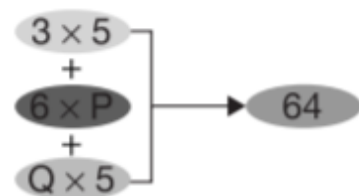
- If  $A + B$  means A is the mother of B;  $A - B$  means A is the brother B;  $A \% B$  means A is the father of B and  $A \times B$  means A is the sister of B, which of the following shows that P is the maternal uncle of Q?
  - $Q - N + M \times P$
  - $P + S \times N - Q$
  - $P - M + N \times Q$
  - $Q - S \% P$
- Which book written by Aravind Adiga won him the Man Booker Prize in 2008?
  - Selection Day
  - Last Man in The Tower
  - White Tiger
  - Between the Assassinations

- Observe the given pictures carefully and select the correct conclusion regarding liquids X, Y and Z.
  - Liquid X is transparent and liquid Z is translucent.
  - Liquid Y is opaque and liquid Z is translucent. X Y Z
  - Liquid X is transparent and liquid Z is opaque.
  - Liquid Y is transparent and liquid Z is opaque.



- What can be the reason that a taxi driver has to be more careful when driving on a rainy day than driving on a hot summer day?
  - Gravitational force between taxi and road is higher on a hot summer day.
  - Frictional force between taxi and road is lower on a rainy day.
  - Gravitational force between taxi and road is lower on a rainy day.
  - Frictional force between taxi and road is lower on a hot summer day.

- Look at the given number bond. Q is 1 more than P. Then,  $P + Q =$  \_\_\_\_\_.
  - 1
  - 5
  - 6
  - 9

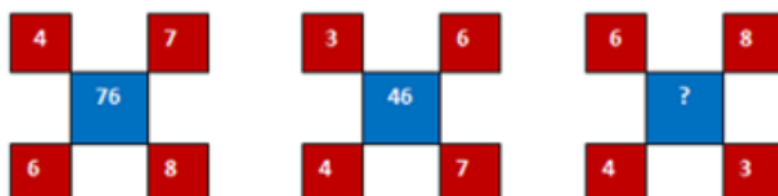


6. Find the value of ★ .

$$\blacksquare + \blacksquare = 12; \bullet + \blacksquare = 17; \bullet - \smile = 9; \star = \smile \times \bullet - \blacksquare = ?$$

- a. 11
  - b. 16
  - c. 20
  - d. 14
7. 'Ashoka Chakra' which has \_\_\_\_\_ spokes, is imprinted on Indian National Flag.
- a. 21
  - b. 26
  - c. 24
  - d. 28
8. Who wrote "The Tempest"?
- a. William Shakespeare
  - b. George Bernard Shaw
  - c. Ernest Hemingway
  - d. Charles Dickens
9. Who discovered Penicillin?
- a. Madame Curie
  - b. Rosalind Franklin
  - c. E O Wilson
  - d. Alexander Fleming
10. What is the scientific study of birds is called?
- a. Ecology
  - b. Ornithology
  - c. Geology
  - d. Mycology
11. Who is the author of the book – Broken Wing?
- a. Arundhati Roy
  - b. Kamala Das
  - c. Sarojini Naidu
  - d. Annie Besant

12. Find the number that replaces the question mark.



- a. 60
- b. 68
- c. 48
- d. 72

13. In a certain code BOARD is written as 54#12 and MORE is written as 941\$. How is DREAM written in that code?

- a. 21\$#9
- b. 2\$1#9
- c. 51\$#9
- d. 25\$#9

14. The teeth which are marked X in the given figure are known as \_\_\_\_\_.

- a. Incisors
- b. Canines
- c. Premolars
- d. Molars

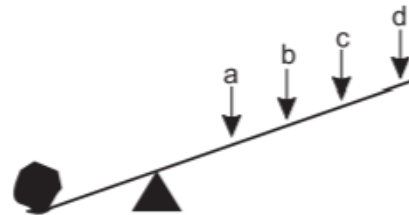


15. Choose the correct mirror image of the word, if the mirror is placed vertically to the left. FIXING

GNIXIF	GNIXIF	FIXING	GNIXIF
a.	b.	c.	d.

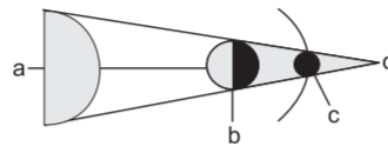
16. Asif wants to lift the rock as shown in the figure. At which point should he apply the force so that he could lift the rock easily?

- a. a
- b. b
- c. c
- d. d

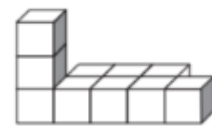


17. Look at the figure. It shows lunar eclipse. Where will be the Earth in it?

- a. a
- b. b
- c. c
- d. d



18. Choose the 2-dimensional figure that represents the 3-dimensional figure when viewed from top.



a.	b.	c.	d.

19. Find the odd term out.

- a. Scanner
- b. Mouse
- c. OMR
- d. Printer

20. You bought your school bag last year in 150 rupees and exactly similar bag cost Rs. 200, this year, this an example of
- Inflation
  - Deflation
  - Fiscal consolidation
  - Fiscal deficit
21. Rohit's father experienced a heart attack. Doctor told him that his blood vessels have become X D G E F Y P Q R narrower. What could be the reason for this?
- His diet has an excess of roughage and water.
  - His diet lacks proper amounts of vitamins and minerals.
  - His diet has an excess of fats and carbohydrates.
  - His diet lacks proper amount of proteins and carbohydrates.
22. Five boys A, B, C, D and E are standing in a row. A is between C and D and B is between D and E. Which of the following pairs represents the boys standing at both the ends?
- C, B
  - E, C
  - E, A
  - A, C
23. Which one of the following is true for all chemical reactions?
- There is a change in volume
  - Heat is evolved
  - Chemical bonds are broken or formed
  - There is a change in mass
24. Which expression represents the product of n and 25?
- $25n$
  - $25 - n$
  - $25 + n$
  - $25 \div n$
25. In a parking lot, 1 out of every 8 cars is blue. What percent of the cars in this lot are blue?
- 1.25%
  - 7%
  - 9%
  - 12.5%
26. A duck flew at speed of 18 km per hour for 3 hours, then at speed of 15 km per hour for 2 hours. How far did the duck fly in all? (Speed = Distance / Time)
- 69 km
  - 75 km
  - 81 km
  - 84 km
27. Who is the current chairman of ISRO?
- Dr. A. S Kiran Kumar
  - Dr. K. Sivan
  - Dr. Mylswami Annadurai
  - Dr. K. Radhakrishnan

28. A family consists of two grandparents, two parents and three grandchildren. The average age of the grandparents is 67 years, that of the parents is 35 years and that of the grandchildren is 6 years. What is the average age of the family?
- 28 years
  - 32 years
  - 33 years
  - 41 years
29. Rh factor is present in
- Bone
  - Blood
  - Cell
  - None of These
30. Who won the Nobel Prize for Economics for 2019?
- Theodore Schultz and Arthur Lewis
  - Harry Merkwitz and Merton Miller
  - John Harsanyi and John Forbes Nash
  - Abhijit Banerjee and Esther Dufflo

Fill in the blanks:

31. \_\_\_\_\_ is not part of the Indian sub-continent.
- Nepal
  - Pakistan
  - Afghanistan
  - Bangladesh
32. \_\_\_\_\_ passes through India
- Tropic of Cancer
  - Tropic of Capricorn
  - Equator
  - Prime Meridian
33. In the given series, how many 5's are there which are immediately preceded by 9 and immediately followed by 6?
- 9 6 9 5 8 4 3 2 9 5 6 2 3 5 9 8 7 6 5 9 4 5 6 1
- 0
  - 1
  - 2
  - 3
34. Filtration as a method of separation can be used for mixtures that are
- Homogeneous and liquid-in-gas mixtures
  - Heterogeneous and liquid-in-liquid mixtures
  - Homogeneous and solid-in-liquid mixtures
  - Heterogeneous and solid-in-liquid mixtures
35.  $(a + b)(a - b) =$  \_\_\_\_\_
- $A^2 + b^2 + 2ab$
  - $A^2 - b^2$
  - $A^2 + b^2 - 2ab$
  - $A^2 - b - 2ab$

State whether true or false:

36. In India, the top judicial court is the Supreme Court. India has 1 Supreme court for North India and 1 for South India.

37. The "Western Ghats" in Maharashtra are also known as Nilgiris.

38. The Russian Revolution of 1917 led to the fall of Joseph Stalin.

Match the following Mughal kings with what they are famous for:

	Mughal Ruler	Facts
39.	Babur	Propounded the religion Din-e-ilahi
40.	Akbar	Killed brothers and imprisoned his father
41.	Shahjahan	Lost the Mughal empire to Sher Shah
42.	Humayun	The first Mughal ruler in India
43.	Aurangzeb	Constructed Taj Mahal

Read the following passage and answer the questions based on it

When we are young, we learn that tigers and sharks are dangerous animals. We might fear them because they are big and powerful. As we get older, however, we learn that sometimes the most dangerous animals are also the smallest animals. In fact, the animal that kills the most people every year is one that you have probably killed yourself many times: the mosquito.

While it may seem that all mosquitoes are biters, this is not actually the case. Male mosquitoes eat plant nectar. On the other hand, female mosquitoes feed on animal blood. They need this blood to live and produce eggs. When a female mosquito bites a human being, it transmits a small amount of saliva into the blood. This saliva may or may not contain a deadly disease. The result of the bite can be as minor as an itchy bump or as serious as death.

Because a mosquito can bite many people in the course of its life, it can carry diseases from one person to another very easily. Two of the deadliest diseases carried by mosquitoes are malaria and yellow fever. More than 700 million people become sick from these diseases every year. At least 2 million of these people will die from these diseases.

Many scientists are working on safer and better ways to kill mosquitoes, but so far, there is no sure way to protect everyone in the world from their deadly bites. Mosquito nets can be placed over beds to protect people against being bitten. These nets help people stay safe at night, but they do not kill any mosquitoes. Mosquitoes have many natural enemies like bats, birds, dragonflies, and certain kinds of fish. Bringing more of these animals into places where mosquitoes live might help to cut down the number of mosquitoes in that area. This is a natural solution, but it does not always work very well. Mosquitoes can also be killed with poisons or sprays. Even though these sprays kill mosquitoes, they may also harm other plants or animals. Although mosquitoes may not seem as scary as larger, more powerful animals, they are far more dangerous to human beings. But things are changing. It is highly likely that one day scientists will find a way to keep everyone safe from mosquitoes and the diseases they carry.

44. According to the author, some people are more afraid of tigers and sharks than mosquitoes because tigers and sharks
- kill more people than mosquitoes
  - are big and powerful
  - are found all over the world
  - have no natural enemies
45. Based on the information in paragraph 2, we can understand that
- male mosquitoes and female mosquitoes have different eating habits
  - male mosquitoes are harmless to humans
  - female mosquitoes are responsible for transmitting diseases to humans
- I only
  - I and II only
  - II and III only
  - I, II, and III
46. As used in paragraph 2, minor most nearly means
- insignificant
  - deadly
  - frustrating
  - dangerous
47. Based on information in paragraph 3, it can be understood that if you get sick with malaria or yellow fever, your chances of survival are
- terrible
  - mediocre
  - good
  - excellent
48. It can be understood that the introduction of dragonflies might reduce the number of flies in a given area because dragonflies
- work together with mosquitoes
  - kill mosquitoes
  - cannot be killed by poisons or sprays
  - attract bats
49. Which of the following best summarizes the information in paragraph 4?
- Mosquito nets provide adequate protection from deadly mosquitoes.
  - Poisons and sprays provide adequate protection from deadly mosquitoes.
  - The introduction of the mosquito's natural enemies provides adequate protection from deadly mosquitoes.
  - There is no perfect solution to the mosquito problem.
50. Which of the following words best describes the author's overall attitude towards the prospect of solving the mosquito problem?
- despondent, meaning hopeless or dejected
  - exasperated, meaning extremely irritated or annoyed
  - equivocal, meaning doubtful or uncertain
  - optimistic, meaning hopeful or taking a favourable view