



To,
The Principal / Teacher in charge of Student Activities,
Sub: Invitation to participate in the Discovery School Super League - 2019 (Season 2)

Discovery Communications India (Discovery) is pleased to extend an invitation to your school to participate in Discovery School Super League (DSSL) - 2019 - Powered by BYJU'S. India's BIGGEST National Level Interschool Quiz Contest is being telecast on Discovery Network channels. DSSL is a critical thinking, aptitude-based and general knowledge competition that provides a unique platform for students to compete and win laurels for themselves and their schools.

Details for the same are as follows:

- Students from Grade 4th to 9th are eligible for DSSL, which would be held in three stages. All students from Grade 4-9 should participate, as the event aims to offer an equal chance for every student to get selected for subsequent stages.
- Students from Grade 4th to 9th are divided into two categories:
 1. Grade 4th to 6th: Category-1
 2. Grade 7th to 9th: Category-2
- The contest shall be conducted in three stages -

Stage 1	40 min MCQ based written test which will be conducted in your school	Two toppers (one from each category) qualify for stage 2 from your school
Stage 2	40 min MCQ based written test conducted at a common location in your city	Two toppers at the state level (one from each category) qualify for Stage 3
Stage 3	30 teams (One from every 29 states and Delhi NCR) will compete in a 6-episode Discovery TV Show to be shot in Mumbai	Top three winning teams and their respective school principal or one teacher (nominated by the Principal) from each school, win a NASA trip and exciting cash prizes.

- There will be no Registration Fees or any other charges for this contest.
- Stage 3 related travel and accommodation will be arranged and borne by the organizer.

How to Participate:

- The registration form and the Guidelines of DSSL are attached as part of the Welcome Kit herewith. Please hand over the completed registration form duly signed and stamped to the organizer or its designated partners.

Rewards and Recognitions

- Every participating student gets 60 days of FULL BYJU'S Course Subscription (worth ₹6000).
 - Every participant at the school level will get INR 5000* in his/her BYJU'S Wallet redeemable on any BYJU'S premium subscription courses
 - At a school-level, each grade topper will receive a DSSL school bag.
- The National-level winners (Winner, First Runner up and Second Runner up) along with their respective school principal or Principal nominated Teacher, each from their school would win a paid Trip to NASA and exciting cash prizes (only for students)

All prizes/awards, travel, logistics and accommodation will be borne by the organizer, as per the Guidelines of DSSL 2019. This activity will not only help understand the learning footprints of the students, but it will also help them to gear up for the competitive challenges that lie ahead of them. Since all the prominent schools are participating in this one of a kind largest school event in India, we look forward to your wholehearted participation too.

Please sign up at the earliest by filling the attached registration form.

WARM REGARDS

Organizer,
DISCOVERY SCHOOL SUPER LEAGUE - Season 2

Question Paper (B)

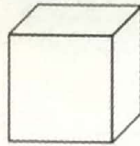
Class (7,8 & 9)

No. of Questions: 20

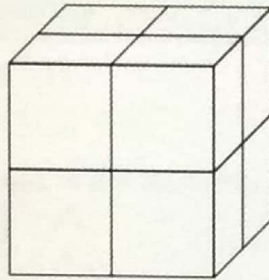
Time: 40 Minutes

Marks for each correct Answer: 4

1. What will be the total surface area of this larger cube?

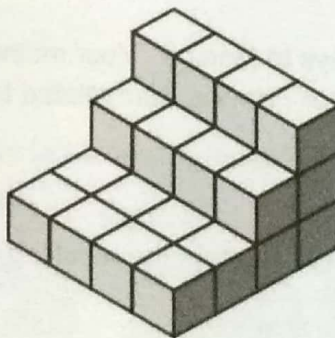


The cube shown above has a volume of 8 cm^3 . Eight such cubes were joined to form a larger cube shown here.



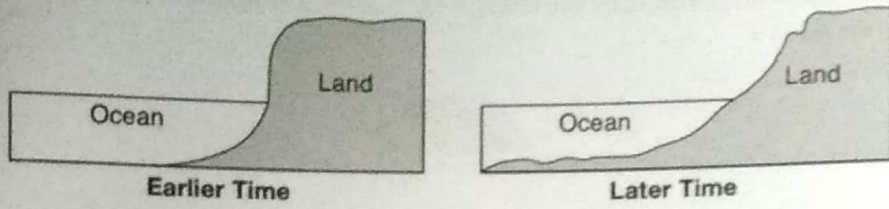
- a. 96 cm^2 b. 64 cm^2 c. 16 cm^2 d. 24 cm^2
2. How many more unit cubes should be added to make this into a $4 \times 4 \times 4$ cube?

- a. 20
b. 28
c. 36
d. 48



3. Joe purchased 20 apples from a supermarket for 180 rupees at a discount of 10 percent. How much will a dozen apples cost him if he does not avail any discount?
- a. 108 b. 120 c. 132 d. 144

9. The changes to the land shown in the diagram were most likely caused by



- a. Erosion and Magnetism
- b. Erosion and Deposition
- c. Gravity and Evaporation
- d. Gravity and Condensation

10. Find the missing number in the series given below –

6, 12, 20, 30, 42, ?

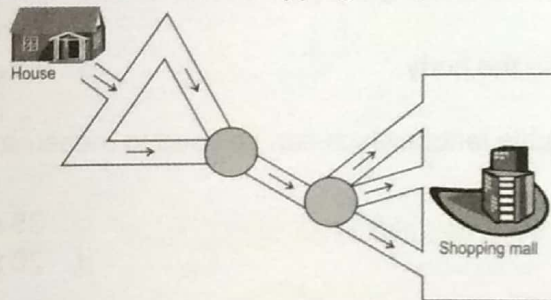
- a. 50
- b. 52
- c. 54
- d. 56

11. Find the missing number in the series given below.

1, 1, 2, 3, 5, 8, ?, 21

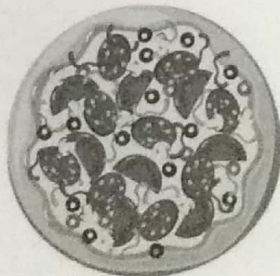
- a. 10
- b. 11
- c. 12
- d. 13

12. Pikachu wants to go from this house to the shopping mall, how many routes can he take?

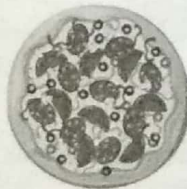


- a. 12
- b. 7
- c. 8
- d. 6

13. Which one will you choose in order to have more pizza?



One 18 inches pizza



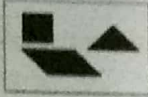
Two 12-inches pizza

- a. One 18 inches pizza
- b. Two 12-inches pizza
- c. Both are the same
- d. Cannot say

14. Which of the options when used appropriately would form the figure above it? (The figures in the options can be rotated)



a.



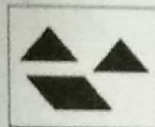
b.



c.



d.



15. Which of the following is not an example of combustion?

a. Burning of coal

b. Digestion of food in the body

c. Burning of fuel in a car engine

d. All of these

16. What is the greatest possible length which can be used to measure exactly the lengths 8 m, 4m 20 cm and 12 m 20 cm?

a. 10 cm

b. 30 cm

c. 25 cm

d. 20 cm

17. Which of the organs in digestive system does not contribute to chemical digestion?

a. Mouth

b. Stomach

c. Esophagus

d. Small Intestine

18. Which of the following is a renewable source of energy?

a. Solar Energy

b. Hydel Energy

c. Wind Energy

d. All of the above

19. January 1, 2004 was a Thursday, what day of the week lies on January 1 2005.

a. Saturday

b. Monday

c. Sunday

d. Tuesday

20. Two numbers are in the ratio 2: 3. If their L.C.M. is 48. what is sum of the numbers?

a. 28

b. 40

c. 64

d. 42