

Discovery
**SCHOOL
SUPER
LEAGUE**
2018

BYJU'S

WHERE
REAL TALENT
IS RECOGNIZED

CONTACT INFORMATION

SCHOOL NAME HERITAGE SCHOOL JAMMU

ADDRESS 1 SECTOR-D, SAINIK COLONY,
JAMMU

CITY/DISTRICT JAMMU STATE JAMMU & KASHMIR

POSTAL CODE 180011

PHONE 90867-67666/555 EMAIL heritageschool.jmu@yahoo.co.in

MEDIUM OF EDUCATION English

CO-ORDINATOR NOMINATED Gurpreet Singh Mehra

PHONE 7051974629 EMAIL mehragurpreetsingh@gmail.com
CO-ORDINATOR

PARTICIPANT INFORMATION (TOTAL NO. OF STUDENTS IN EACH GRADE)

TOTAL NO. OF STUDENTS IN GRADE 4	<u>217</u>	TOTAL NO. OF STUDENTS IN GRADE 7	<u>242</u>
TOTAL NO. OF STUDENTS IN GRADE 5	<u>220</u>	TOTAL NO. OF STUDENTS IN GRADE 8	<u>220</u>
TOTAL NO. OF STUDENTS IN GRADE 6	<u>203</u>	TOTAL NO. OF STUDENTS IN GRADE 9	<u>210</u>
TEST DATE OPTION 01	<u>30th Aug 2018</u>	TEST DATE OPTION 02	<u>—</u>

PS:

1. Filed application with sign and seal should be emailed to : dssl@discovery.com
2. You will receive confirmation email on receipt of registration form.
3. Please fill number of students in all grades and if not applicable, please put "0".
4. Based on the number provided, we will be dispatching equivalent number of QP and OMR Sheets.
5. Test date option 02 will be considered if Test date option 01 is not executed.

FOR ANY QUERIES: Call +91 973-973-3333

Mahendrakumar

Principal / Vice Principal / HM

School Seal



To,
The Principal/Teacher in charge of Student Activities,

Sub: Invitation to participate in the Discovery School Super League- 2018

Discovery Communications India ("**Discovery**") is pleased to extend an invitation to your school to participate in 'Discovery School Super League- 2018- Powered by BYJU'S' ("DSSL") - India's BIGGEST National Level Inter School Quiz Contest being telecasted on Discovery network channels. DSSL is a critical thinking and aptitude-based 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	30 min MCQ based written test which will be conducted in your school	Two toppers (one in each category) qualify for stage 2
Stage 2	45 min MCQ based test conducted at a common location in your city	Two toppers at state level (one in each category) qualify for Stage 3
Stage 3	30 teams (One each from 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 each, win a NASA trip and exciting cash prizes for winners

- 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 a 3 Month BYJU'S Course Subscription worth Rs. 8000 for FREE
- At a school level, each grade topper will receive a DSSL School bag in addition to goodies.
- The National level winners (Winner, first runner up and Second Runner up) along with their respective School Principal/ one Teacher each from their School would win a paid Trip to NASA (Texas, USA) and exciting cash prizes for winners.

All prizes/awards, travel, logistics and accommodation as per the Guidelines of DSSL, 2018 will be borne by the organizer. This activity will not only help understand the learning footprints of the students, it also helps them to gear up for the competitive challenges ahead of them. Since all the prominent schools are participating in this largest school event of this kind in India, we look forward to your wholehearted participation at the earliest by filling the attached registration form.

WARM REGARDS & LOOKING FORWARD,

Organizer
DISCOVERY SCHOOL SUPER LEAGUE

4

Question Paper (B)

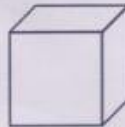
Class (7,8 & 9)

No. of Questions: 20

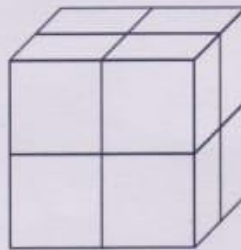
Time: 40 Minutes

Marks for each correct Answer: 4

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

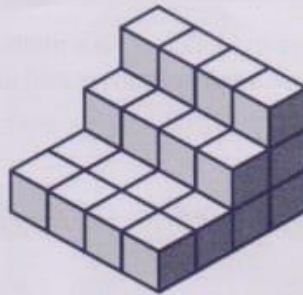


The cube shown above has a volume of 8 cm^3 . Eight such cubes were joined to form a larger cube shown here.



- 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

4. Find X in



a. 5

b. 8

c. 15

d. 21

5. Complete the figure given below by choosing the most appropriate option.



a.



b.



c.



d.



6. If a lemon of radius r is divided into four identical parts, then what would be the total surface area of the four parts? (Given Area of a sphere = $4\pi r^2$)

a. $2\pi r^2$

b. $4\pi r^2$

c. $6\pi r^2$

d. $8\pi r^2$

7. Emma, who is Joe's daughter, says to Monica, "Your mother Rachel is the younger sister of my father, who is the third child of Sam". How is Sam related to Monica?

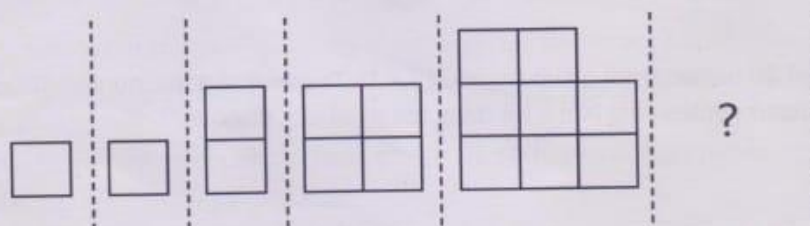
a. Grandfather

c. Father

b. Father-in-law

d. Grandfather

8. How many squares will make up the figure in the resulting pattern to replace the question mark below?



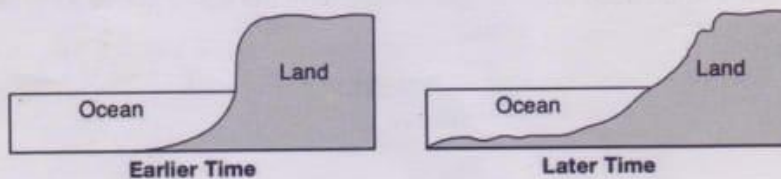
a. 9

b. 12

c. 16

d. 20

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, ?

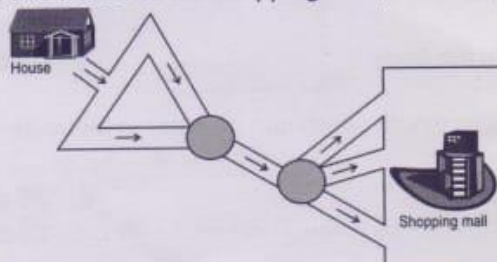
- a. 50
- b. 52
- c. 54
- d. 56

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

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

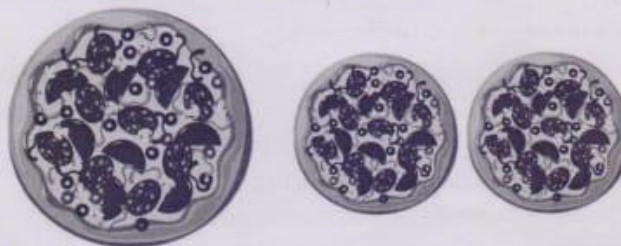
- a. 10
- b. 11
- c. 12
- d. 13

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 | c. Burning of fuel in a car engine |
| b. Digestion of food in the body | 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 | c. 25 cm |
| b. 30 cm | d. 20 cm |

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

- | | |
|------------|--------------------|
| a. Mouth | c. Esophagus |
| b. Stomach | d. Small Intestine |

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

- | | |
|-----------------|---------------------|
| a. Solar Energy | c. Wind Energy |
| b. Hydel 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 | c. Sunday |
| b. Monday | 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 | c. 64 |
| b. 40 | d. 42 |

GUIDELINES FOR PARTICIPATION IN DISCOVERY SCHOOL SUPER LEAGUE 2018

These are the Guidelines for Participation in Discovery School Super League contest ("DSSL"). It shall be responsibility of the Schools to familiarize themselves with these Guidelines.

INTRODUCTION

Discovery Communications India ("**Discovery**"), a company owning and operating leading channels that showcase programs focused primarily on science, technology, and history, proudly launches Discovery School Super League in collaboration with Think & Learn Private Limited ("**BYJU'S**") – a leading Ed-Tech company.

The DSSL is a critical thinking and knowledge-based quiz contest that provides a unique platform for students of the Schools where they can compete and win laurels for themselves and their School. The DSSL is held for students between Grade 4 to Grade 9 (both Grades included) ("Participant").

I. REGISTRATION PROCESS

- Registration process will start from 15th June 2018 and end on 30th September 2018 (both dates included)
- The Schools can register for DSSL by filling a registration form available in the welcome kit which will be provided by the organizer or its designated partners.
- The registration forms must be completed by the School in all respects. Only the registration forms that are duly signed, stamped and attested by the School authorities will be considered as valid entries to DSSL. The duly filled and stamped registration form shall be handed over by the School's authorized representative to the organizer or its designated partners.
- The registration form which is not duly filled with all the details, the same will be rejected and automatically disqualified. The decision of the organizer in this regard shall be final and binding.
- For further queries or details, the School may contact dssl@discovery.com or contact organizer on dedicated helpline number i.e. 973 973 33 33

II. ELIGIBILITY & DETAILS OF DSSL

All students enrolled in the Schools between Grade 4 to 9 (both grades included) are eligible to participate in the DSSL. All students shall be divided into 2 (two) categories whereby students between Grade 4 to 6 shall fall under Category-1 and students between Grade 7 to 9 shall fall under Category- II.

DSSL Contest Details		
Stages	Quiz to be conducted	Process of Shortlisting winners
Stage 1	Thirty (30) min Multiple Choice Questions based written screening test will be conducted in the School for all the Participants on the date decided by the School	Two (2) toppers at school level (one in each category) of the written quiz will qualify for stage 2
Stage 2	Forty- five (45) min Multiple Choice Questions based written screening test will be conducted on a state level at a common location in your city and on the date as decided by organizer	Two (2) toppers at state level (one in each category) written quiz will qualify for Stage 3
Stage 3	Thirty (30) teams (One each from 29 states and one from Delhi NCR) will compete in a quiz contest which will be shot in Mumbai and will be aired/ broadcasted as a TV Show named <i>Discovery School Super League, 2018</i> in six (6) episode on Discovery network channels in India ("DSSL TV Show")	Top Three (3) state level winning teams and their School Principal or one teacher from each team will qualify to win a trip to NASA in Texas USA from the organizer

III. PRIZE FOR THE WINNERS

- a) Every Participant at a school level who participates in DSSL would get a Three (3) month online course on BYJU'S – The Learning app worth Rs. 8000 (Rupees Eight Thousand only) for FREE.
- b) Further, At the Stage 1 level, one topper from each grade (i.e. 1(one) student each from Class 4, Class 5, Class 6, Class 7, Class 8 and Class 9) will be eligible to get DSSL Branded Schoolbags from BYJU'S.
- c) Winners from Stage 3 of the contest, will get a chance to appear on DSSL TV Show and will also stand a chance to win a paid trip to NASA in Texas, USA as set out above.

The Organizer will select the winners and sponsor all the prize as set out in these Guidelines. It shall do so based on its internal criteria and evaluations. Organizer's decision in this regard shall be final and binding and the Schools shall not have any right to interfere in any manner whatsoever in the selection of the winners. The Prize shall be non-transferable. All expenses, including the Participant's travel, logistics, costs of accommodations, prizes and awards shall be borne by DSSL Organizers for Stage 3.

IV. WILDCARD ENTRY

Participants may also enter Stage 2 of the DSSL by downloading '*BYJU'S-The Learning App*' and taking the test available on the said Application. However, this mode will have a very limited number of entries at a Pan India level.

V. FILMING/ SHOOTING AND BROADCASTING OF THE DSSL

- a) Discovery shall, in its sole discretion, produce and broadcast the final stage, i.e., Stage 3 of DSSL on its channels.
- b) DSSL TV Show shall be aired across an aggregate of 6 episodes with the duration of 44 minutes each. The State level winners will compete with one another, and the winner of first 5 episodes will finally contest in the grand finale, with the winners being crowned as the All India DSSL Champions.

The filming of the episodes shall take place at the location chosen by Discovery. The qualifying teams shall be informed in advance by BYJU'S of the details of the location and dates for the filming. A detailed Terms & Conditions applicable to DSSL and its Participants is available on the website – <http://discoverychannel.co.in/dssl>.

The guidelines of DSSL set out herein is governed by and construed in accordance with the laws of India. All matters with respect to DSSL are subject to the exclusive jurisdiction of the Courts at New Delhi only.