A Specially Designed Initiative
to Encourage Young Talent by

ALLEN CAREER INSTITUTE
path to success
KOTA (RAJASTHAN)

TALLENTEX 2017 : (23, October 2016)

PAPER CODE
Q

TALLENTEX 2017

ALLEN'S Talent Encouragement Exam

CLASS - 7th (VII)

Duration: 2 Hrs. | Maximum Marks : 320

Tallentex Roll No.	5								Answer Sheet No.	T	5						

Please read the instructions carefully. You are allotted 5 minutes specifically for this purpose.

Things NOT ALLOWED in EXAM HALL : Blank Paper, clipboard, log table, slide rule, calculator, camera, mobile and any electronic or electrical gadget. If you are carrying any of these, then keep them at a place specified by invigilator at your own responsibility.

INSTRUCTIONS

1. This Booklet is your Question Paper. DO NOT break seal of Booklet until the invigilator instructs to do so.
2. Fill your TALLENTEX Roll No. & Answer Sheet No. in the space provided on the cover page.
3. Carefully fill your **PAPER CODE** and present **CLASS** in space provided **(Serial No. 6 & 12)** of optical response sheet.
4. Please make sure that paper you received is of your class only.
5. The Answer Sheet is provided to you separately which is a machine readable Optical Response Sheet (ORS). You have to mark your answers in the ORS by darkening bubble, as per your answer choice, by using black or blue ball point pen.
6. After breaking the Question Paper seal, check there are **16 pages** in the booklet. This Question Paper contains 80 MCQs with 4 choices (Subjects: Physics: 12, Chemistry: 11, Biology: 12, Maths: 25 & Mental ability: 20).
7. Answer once marked by pen cannot be cancelled.
8. Each correct answer carries 4 marks. **(There is no negative marking)**
9. If you are found involved in cheating or disturbing others, then your ORS will be cancelled.
10. Do not put any stain on ORS and hand it over back properly to the invigilator.
11. You can take along the question paper after the test is over.

ALLEN RESULT: JEE ADVANCED-2016

4 in Top 10 | 12 in Top 50 | 25 in Top 100 AIR

AIR : 2

Bhavesh Dhingra
Classroom

AIR : 3

Kunal Goyal
Classroom

AIR : 9

Gaurav Didwania
Classroom

AIR : 18

Rohan Garg
Classroom

AIR : 19

Animesh Bohra
Distance

AIR : 23

Ritesh Goenka
Classroom

AIR : 27

Vikrant Garg
Classroom

AIR : 29

Sharvik Mittal
Classroom

AIR : 33

Ishan Tarunesh
Distance

AIR : 36

Naman Jain
Classroom

AIR : 48

Sushil Khyalia
Classroom

Total Selections

3883

Classroom : **2857** | Distance : **1026**

ALLEN RESULT: NEET (UG)-2016

7 in Top 10 | 35 in Top 50 | 58 in Top 100 AIR

AIR : 2

Ekansh Goyal
Classroom

AIR : 3

Nikhil Bajiya
Classroom

AIR : 4

Ashank Khaitan
Distance

AIR : 6

Dyuti Shah
Distance

AIR : 7

Japnoor Kaur
Distance

AIR : 10

Utkarsh Anand
Classroom

AIR : 12

Prakhar Bansal
Classroom

AIR : 13

Lajjaben Patel
Classroom

AIR : 15

Gurasis Singh
Distance

AIR : 18

Swetank Anand
Classroom

AIR : 19

Mahak Kr. Surana
Classroom

AIR : 20

Prachi Singh
Classroom

Total Qualified

33106

Classroom : **26198** | Distance : **6908**

Authenticity of Result : Power of **ALLEN**

ALLEN RESULT: AIIMS-2016

8 in Top 10 | 25 in Top 36

AIR : 3

Lajjaben Patel
Classroom

AIR : 4

Het Sanjay Shah
Classroom

AIR : 5

Mridul Sharma
Classroom

AIR : 6

Dyuti Shah
Distance

AIR : 7

Aishvary Gupta
Classroom

AIR : 8

Kushagra Pandey
Distance

AIR : 9

Ekansh Goyal
Classroom

AIR : 11

Ira Pachori
Distance

AIR : 12

Ritik M Goyal
Classroom

AIR : 13

Amol Sood
Classroom

AIR : 17

Ashank Khaitan
Distance

AIR : 19

Dhruvil D. Shah
Classroom

AIR : 20

Swetank Anand
Classroom

AIR : 21

Ankush Garg
Classroom

AIR : 23

Sanil Garg
Distance

AIR : 25

Aditya Agarwal
Distance

AIR : 27

Vishal Saini
Distance

AIR : 28

Gurasis Singh
Distance

AIR : 29

Manavi Gupta
Classroom

AIR : 30

Anubhav Das
Distance

AIR : 31

Prachi Singh
Classroom

AIR : 32

Japnoor Kaur
Distance

AIR : 33

Ayush Jain
Classroom

AIR : 36

Sukriti Chaudhri
Distance

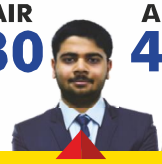
Total Qualified

602

Classroom : **405** | Distance : **197**

ALLEN RESULT: JEE Main-2016

8 in Top 100 | 25 in Top 200 | 65 in Top 500 | 136 in Top 1000

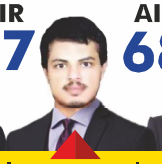
AIR 30

Syamantak Kumar
Classroom

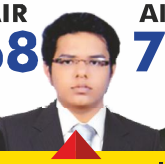
AIR 45

Mudit Surana
Classroom

AIR 47

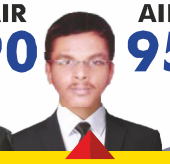
Utkarsh G. Patel
Classroom

AIR 57

Bhavishya
Distance

AIR 68

Kapil Shobhnani
Classroom

AIR 71

Aman Bansal
Classroom

AIR 90

Ambatwar Ajinkya G.
Distance

AIR 95

Surya Suresh
Distance

AIR-105

Megh V. Thakkar
Classroom

AIR-112

Shashwat Agrawal
Classroom

AIR -127

Rohan Garg
Classroom

AIR -130

Amey Ravindra Patil
Distance

AIR-132

Akash Bhardwaj
Classroom

AIR-137

Rahul Agrawal
Classroom

AIR-145

Sharvik Mital
Classroom

AIR-151

Shashwat Shivam
Distance

AIR-158

Ankit Dhankhar
Classroom

AIR-168

Sukriti Gupta
Distance

AIR-169

Georgi Joseph Boby
Distance

AIR-171

Rushikesh Vitthal
Distance

AIR-177

Koustav Yacha
Classroom

AIR-178

Rahul M. Chanduka
Classroom

26660

Students secured JEE Main

All India Ranks from all Courses of ALLEN

AIR-185

Gavali H. Abhiman
Distance

AIR-190

Atri Dutta
Distance

AIR-197

Vansh J. Chiripal
Classroom

Authenticity of Result : Power of **ALLEN**

TALLENTEX Success Power Session & Rewards Ceremony

(29 November 2015)

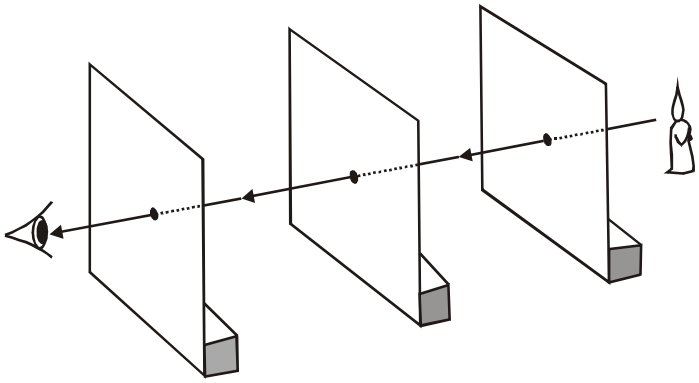
SECTION - A : PHYSICS

This section contains **12 Multiple Choice Questions**. Each question has four choices (1), (2), (3) and (4) out of which ONLY ONE is correct.

1. A science class measured the atmospheric pressure around their school. What can be the recorded atmospheric pressure?

(1) 760 N (2) 760 mm of mercury (3) 760 Nm^2 (4) All the above

2. The following experiment shows us how light travels. Which of the statements below are true about how light travels and how we see?



A. Light travels along curved lines.

B. Light travels in straight lines only.

C. We can see around a corner.

D. We cannot see around a corner.

(1) A, C (2) B, C (3) B, D (4) A, D

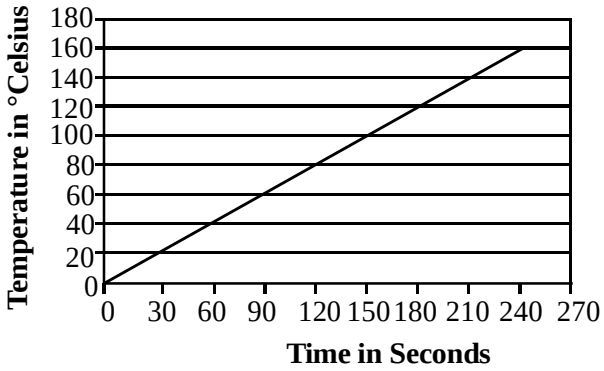
3. Match the entries of column-I with entries of column-II and choose the correct alternative.

Column-I	**Column-II**
(a) Transparent material	(p) ground glass
(b) Translucent material	(q) piece of wood
(c) opaque material	(r) water

(1) (a)–(q); (b)–(p); (c)–(r) (2) (a)–(p); (b)–(r); (c)–(q)

(3) (a)–(r); (b)–(p); (c)–(q) (4) (a)–(q); (b)–(r); (c)–(p)

4. Study the straight line graph



What is the time when the temperature is 60° C; and what is the temperature when the time is 180 seconds?

(1) 120 seconds and 120 °C (2) 90 seconds and 100 °C

(3) 90 °C and 120 seconds (4) 90 seconds and 120 °C

5. A laboratory thermometer is placed in a liquid and a rise in the level of mercury thread is observed and found to be steady at certain level, but the level of mercury decreased on taking it out of the liquid. What can be inferred/concluded from the whole process?

(a) The liquid is at higher temperature than the surrounding temperature.

(b) Heat is gained by the mercury on placing it in the liquid.

(c) Matter expands on heating.

(1) Only (a) and (b) (2) Only (b) and (c)

(3) Only (a) and (c) (4) (a), (b) and (c)

6. Which among the following is wrong statement?

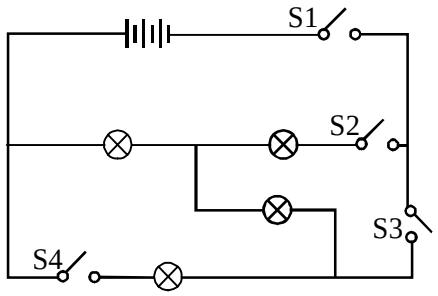
(1) Every magnet has a North and a South pole.

(2) Like poles repel each other.

(3) A single magnetic pole has no existence.

(4) An electric bell uses a bar magnet.

7. An electric circuit was set up as shown in the diagram below.



Which of the following switches should be closed to ensure that only two bulbs light up?

(1) S1 and S2 (2) S2 and S3 (3) S1 and S4 (4) S2 and S4

8. X, Y, and Z are different parts of a light bulb, X is the part of the bulb that lights up, Y is made of glass while Z is one of the parts that has to be connected to the electrical circuit in order for the bulb to light up. What can X, Y and Z be ?

	X	**Y**	**Z**
(1)	metal tip	metal casing	connecting wires
(2)	tungsten	connecting wires	glass bulb
(3)	filament	bulb	metal casing
(4)	connecting wires	bulb	metal tip

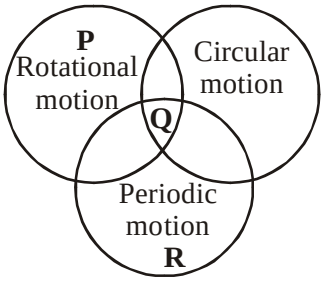
9. Match the column

Column I		**Column II**	
(i)	A magnet is dropped from a height on a hard rock	(a)	magnetism is induced in the soft iron bar
(ii)	An electric current is passed into a coil of copper wire wound around a soft iron bar	(b)	magnetism is lost
(iii)	A soft iron bar is placed in line with a magnet	(c)	the iron bar is magnetised
(iv)	A strong magnet is stroked on an iron bar from one end to the other a number of times.		

(1) (i)–(b), (ii)–(c), (iii)–(a), (iv)–(c) (2) (i)–(a), (ii)–(b), (iii)–(c), (iv)–(d)

(3) (i)–(c), (ii)–(b), (iii)–(d), (iv)–(a) (4) (i)–(b), (ii)–(c), (iii)–(d), (iv)–(a)

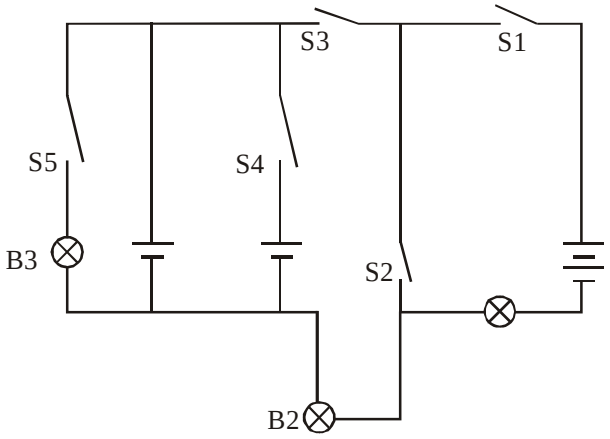
10. Study the diagram below.



Which of the motions described below are most likely to be in P, Q and R ?

	P	Q	R
(1)	a spinning top	planetary motion	motion of a pendulum
(2)	helicopter blades	motion of a swimmer	a potter's wheel
(3)	a weight hung from a spring	players in a field	movement of a cockroach
(4)	earth spinning on its axis	blades of a moving fan	motion of a bird

11. Study the electrical circuit shown below.



What is the least number of switches that you must close in order to light up all three bulbs ?

(1) 1 (2) 2

(3) 3 (4) 4

12. Which of the following measurement have not been expressed in correct S.I. unit ?

(1) 20 m of cloth

(2) 100 seconds of time

(3) 60 km of distance between two cities

(4) 2 kg cooking oil

SECTION-B : CHEMISTRY

This section contains **11 Multiple Choice Questions.** Each question has four choices (1), (2), (3) and (4) out of which ONLY ONE is correct.

13. Study the changes given below.

(i) The ripening of fruits

(ii) The fermentation of molasses

(iii) The sawing of wood

Identify chemical changes.

(1) Only (i) and (ii) (2) Only (ii) and (iii) (3) Only (i) and (iii) (4) (i), (ii) and (iii)

14. When the caterpillar is ready to enter the next stage of its life history called **(i)**, it first weaves a net to hold itself. Then it swings its **(ii)** from side to side in the form of the figure of **(iii)**. Select the correct words for above fill-ups.

	(i)	**(ii)**	**(iii)**
(1)	Pupa	Head	Eight
(2)	Cocoon	Head	Seven
(3)	Pupa	Tail	Eight
(4)	Adult moth	Head	Eight

15. Which of the following statements is correct for conservation of water ?

(1) Usage of water carefully so that it can last for longer time.

(2) Cutting off water supply to homes temporarily during water shortage.

(3) Removal of salt from sea water.

(4) Purification of water to make it safe for drinking.

16. Which of the following is/are true when HCl(g) is passed through water?

I. It does not ionise in the solution as it is a covalent compound.

II. It ionises in the solution.

III. It gives both hydrogen and hydroxyl ion in the solution.

IV. It forms hydronium ion in the solution due to the combination of hydrogen ion with water molecule.

(1) I only (2) III only

(3) II and IV (4) III and IV

17. An excess of dilute sulphuric acid reacts with both aqueous barium hydroxide and aqueous barium chloride respectively. In what way are the two reactions same ?

(1) A gas is evolved

(2) An insoluble salt is formed

(3) Their final pH is 7

(4) A base is produced

18. What is the composition ratio of nitrogen and oxygen in the air respectively ?

(1) 1 : 4 (2) 1 : 9

(3) 4 : 1 (4) 1 : 1

19. It was Megha's birthday, her brother Ram was helping her to decorate the house for the birthday party and their parents were also busy making other arrangements. Following were the activities going on at Megha's home :

(i) Ram blew balloons and put them on the wall.

(ii) Some of the balloons got burst.

(iii) Megha cut colourful strips of paper and put them on the wall with the help of tape.

(iv) She also made some flowers by origami (paper folding) to decorate the house.

(v) Mother rolled the dough balls to make puries.

(vi) Mother heated oil in a pan.

(vii) Father fried the puries in hot oil.

Identify the activities at Megha's home as those that can not be reversed.

(1) (i), (iii) & (v) (2) (i) & (iv)

(3) (ii), (iii) & (vii) (4) (i), (iii), (v) & (vi)

20. Which of these is not a property of wool ?

(1) Tears easily (2) Resists fire

(3) Can be dyed easily (4) Can be damaged by certain insects

21. Iron rim is made slightly smaller than the wooden wheel. The rim is usually heated before fixing into the wooden wheel, because on heating the iron rim

(1) Melts and fits onto the wooden wheel

(2) Condenses and fits onto the wooden wheel

(3) No change in the size takes place

(4) Expands first, then on cooling contracts and fits onto the wooden wheel

22. A piece of fabric burns by giving a smell of burning hair. It is made up of

(1) Natural silk (2) Nylon

(3) Natural wool (4) Both (1) and (3)

23. Read the given statements and mark the correct option.

Statement-1 : pH of hydrochloric acid solution is less than that of acetic acid solution of the same concentration.

Statement-2 : In equimolor solutions, the number of titrable protons present in hydrochloric acid is less than that present in acetic acid.

(1) Both statements-1 and 2 are true but statement-2 is the correct explanation of statement-1.

(2) Both statements-1 and 2 are true but statement-2 is not the correct explanation of statement-1.

(3) Statement-1 is true and statement-2 is false.

(4) Statement-1 is false and statement-2 is true.

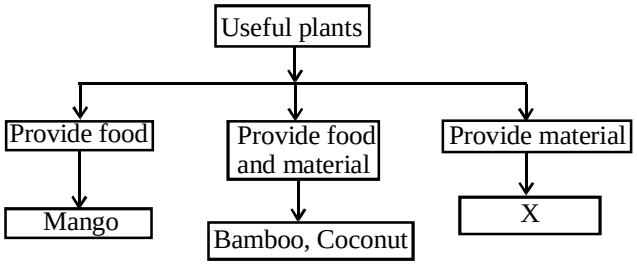
SECTION-C : BIOLOGY

This section contains **12 Multiple Choice Questions.** Each question has four choices (1), (2), (3) and (4) out of which ONLY ONE is correct.

24. Some organisms like earthworms breathe through their skin by absorbing oxygen from the water that their skin has absorbed. In which one of these habitats would earthworm be found?

(1) Dry soil
(2) Dry soil with dead leaves
(3) Damp soil
(4) Damp soil with dead leaves

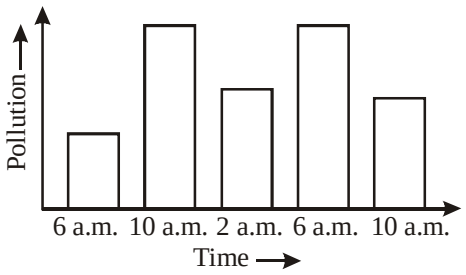
25. The classification table given below shows how some plants are grouped according to their usefulness.



Which one of the following plants should be put in the space marked X ?

(1) Potato
(2) Banana
(3) Sugarcane
(4) Teak

26. The graph given below shows the amount of air pollution in a city at different times of the day.



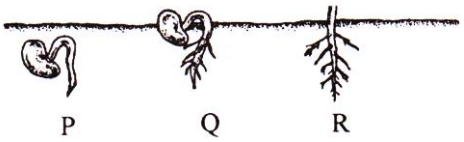
Which of the following could be the reason for high pollution during 10 a.m. and 6 p.m.?

(1) Factories
(2) Vehicles
(3) Hospitals
(4) Houses

27. Tony and Martin's grandfather lives in Delhi, a metropolitan city, often complains of breathing problem. Doctor has advised him to go to native village. Can you tell the reason of his migration ?

(1) Delhi is highly populated and polluted.
(2) Delhi is clean and green.
(3) Unavailability of good hospitals in Delhi.
(4) Delhi is an earthquake prone area.

28. The figures given below show the development of a plant from its seed.



In between the P and Q stages from where does the plant gets its food?

(1) Soil (2) Seed (3) Air (4) Sunlight

29. The X-ray in figure 1, shows Arun's broken leg bone. The doctor adjusted the broken bone correctly and put a plaster cast around his leg to prevent the ends of the broken bone from moving, as shown in figure 2.

X-ray of Arun's broken leg bone

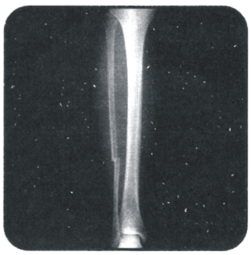


Figure-1

Plaster cast around Arun's leg

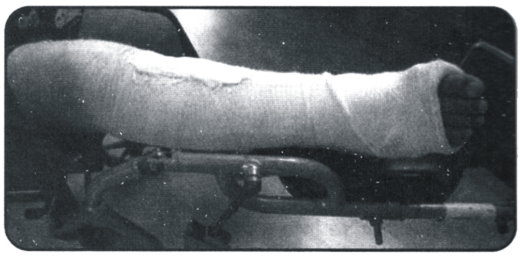


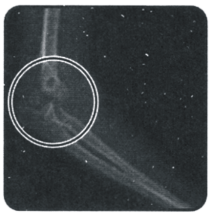
Figure-2

Look at the X-rays of the following broken bones. In which case would it NOT be possible to prevent movement of the ends of the broken bone by putting a plaster cast around the broken bone?

(1)

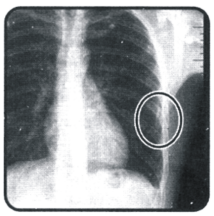
X-ray of a broken finger

(2)



X-ray of a broken elbow joint

(3)



X-ray of a broken rib bone

(4)

X-ray of a broken wrist bone

30. Match the column-I with column-II and select the correct option.

Column-I		Column-II	
A	Algae	(i)	Parasite
B	Lichens	(ii)	Autotrophic
C	Bread mould	(iii)	Symbiosis
D	*Rafflesia*	(iv)	Spoilage of food

(1) A-ii, B-iii, C-iv, D-i (2) A-iii, B-ii, C-iv, D-i

(3) A-i, B-iii, C-ii, D-iv (4) A-iv, B-iii, C-i, D-ii

31. Who am I?

I have three pair of jointed legs for locomotion.

I have wings to fly.

I have tracheal respiratory system for respiration.

(1) cockroach (2) duck (3) pigeon (4) flying fish

32. The place where an organism live is called its

(1) Habit (2) Habitat (3) Environment (4) Niche

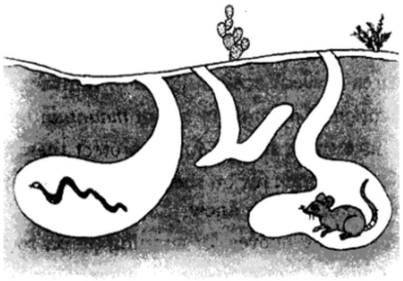
33. Read the description of a part X of the plants given below.

X grows towards light. It transports water, minerals and food.

What is X ?

(1) Roots (2) Stem (3) Leaf (4) Flower

34. What does the following given picture depict about?



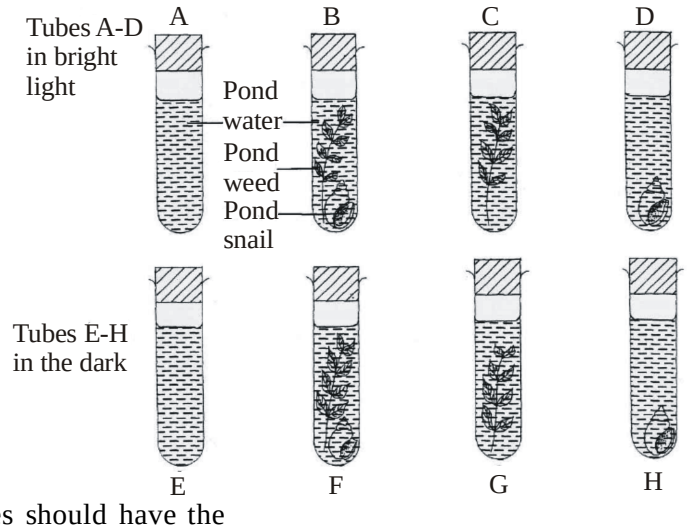
(1) Desert animals live in burrow at night time.

(2) Desert animals live in burrow in day time.

(3) Aquatic animals live in burrows.

(4) Terrestrial animals live in underground only.

35. Test tubes A - D are placed in light for 24 hours; Tubes E - H are placed in darkness for 24 hours.



Which of the tubes should have the

(i) highest concentration of oxygen after 24 hours?

(ii) highest concentration of carbon dioxide after 24 hours?

(i) (ii)

(1) E - D

(2) A - H

(3) G - B

(4) C - F

SECTION-D : MATHEMATICS

This section contains **25 Multiple Choice Questions.** Each question has four choices (1), (2), (3) and (4) out of which ONLY ONE is correct.

36. If $x = (-1)^1 + (-1)^2 + \ldots\ldots\ldots\ldots + (-1)^{11}$ and $y = (-1)^1 - (-1)^2 + (-1)^3 - (-1)^4 + \ldots\ldots\ldots\ldots + (-1)^{11}$, then find $x - y$.

(1) 11 (2) 10 (3) 0 (4) 5

37. A group of boys were going on picnic. They paid a combined Rs. 120 cash and then they each paid Rs.151 each. The total cost of the picnic was Rs.2385. How many boys went on picnic.

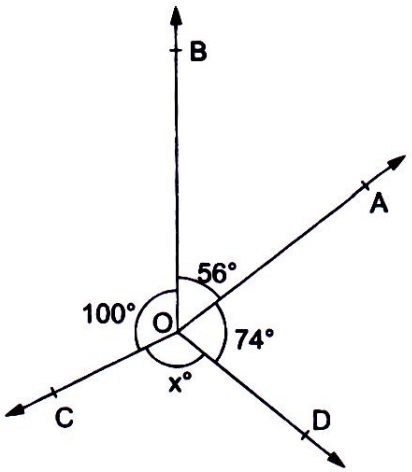
(1) 15 (2) 11 (3) 13 (4) 9

38. A man completed a trip of 136 km in 8 hours. Some part of the trip is covered at 15 km/hr and the remaining at 18 km/hr. Then the part of the trip covered at 18 km/hr is

(1) 96 km (2) 40 km

(3) 130 km (4) 6 km

39. In the given figure, rays OA, OB, OC and OD are such that $\angle AOB = 56°$, $\angle BOC = 100°$, $\angle COD = x°$ and $\angle DOA = 74°$. Find the value of x.



(1) 140 (2) 130 (3) 150 (4) 160

40. Sheemu reads $\left(\frac{3}{5}\right)^{th}$ of a book. She finds that there are still 90 pages left to be read. Total number of pages in the book are

(1) 150 (2) 225 (3) 275 (4) 300

41. A cuboidal water tank contains 216 litres of water. Its depth is $\frac{1}{3}$ of its length and breadth is $\frac{1}{2}$ of $\frac{1}{3}$ of the difference between length and depth. The length of the tank is

(1) 72 dm (2) 18 dm

(3) 6 dm (4) 2 dm

42. Which of the following is true.
(1) Every rational number is an integer.
(2) Every fraction is a rational number.
(3) Every fraction is an integer.
(4) Every rational number is a fraction.

43. 18 of [59 – {7 × 8 + (26 – 3 of 5)}] is ____ .
(1) – 188 (2) 144 (3) – 144 (4) None of these

44. A, B and C collectively have Rs. 5000. If A is having one third of the total amount and B is having half of the remaining amount. C has the remaining. If A gives half of its share to C. Now, how much amount does C have.
(1) Rs.2600 (2) Rs.3000 (3) Rs.2500 (4) Rs.2100

45. Simplify $\left(\frac{x^a}{x^b}\right)^a \times \left(\frac{x^b}{x^a}\right)^a \times \left(\frac{x^a}{x^a}\right)^b$

(1) 0 (2) 1 (3) x (4) x^{a-b}

46. 6 + 6 – 6 of 6 ÷ 6 × 6 =
(1) –12 (2) 0 (3) 36 (4) –24

47. The weights of 10 students (in kg) are
40,52,34,47,31,35,48,41,44,38.
Find the median weight.
(1) 40.5 kg (2) 50.5 kg (3) 60.5 kg (4) none of these

48. Find the cost of fencing a rectangular park of length 15m and breadth 20 m at the rate of Rs.12.25 per metre.
(1) Rs.3675 (2) Rs.675 (3) Rs.3575 (4) None of these

49. Simplify : $\frac{1}{2}\times\frac{1}{2}\div\left\{\frac{1}{2}\times\frac{1}{2}\div\frac{1}{2}+\left(\frac{1}{2}\div\frac{1}{2}\right)\right\}$

(1) $\frac{1}{6}$ (2) $\frac{1}{3}$ (3) $\frac{1}{9}$ (4) $\frac{5}{12}$

50. One day, the number of first class and second class passengers who travelled were in the ratio 1 : 30. The ratio of the first and second class fares is 3 : 1. The total amount collected from the passengers that day was Rs.66000. Find the amount collected from the first class passengers (in Rs).
(1) 3000 (2) 6000
(3) 9000 (4) 12000

51. The top of a broken tree touches the ground at a distance of 15 m from its base. If the tree is broken at a height of 8 m from the ground, then the actual height of the tree is ___

(1) 20 m (2) 25 m (3) 30 m (4) 17 m

52. If $\left[(27)^{2/3} - (81)^{1/2}\right]^a = 0$, then which of the following cannot be the value of a?

(1) –1 (2) 1 (3) $\frac{1}{2}$ (4) 2

53. In a triangle ABC, if AB + BC = 10 cm, BC + CA = 12 cm and CA + AB = 16 cm, then the perimeter of triangle ABC is _____ .

(1) 19 cm (2) 17 cm

(3) 38 cm (4) 40 cm

54. Which of the following statements is false ?

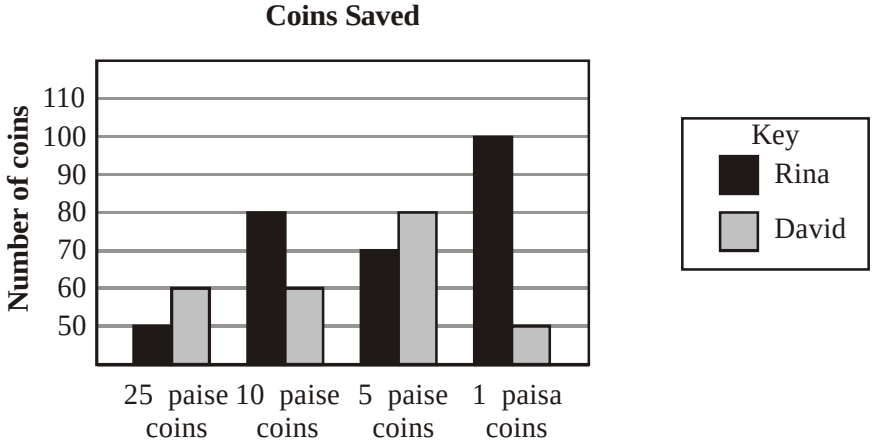
(1) Two obtuse angles can form a linear pair

(2) Two acute angles cannot form a linear pair

(3) Vertically opposite angles are equal

(4) Supplementary angles add upto 180°

55. The graph below shows the numbers and types of coins Rina and David have saved.



Which statement is best supported by the information in the graph?

(1) The combined value of all the coins Rina has saved is less than ` 10.

(2) The value of the 10 paise coins Rina has saved is greater than the value of the 5 paise coins David has saved.

(3) The combined value of all the coins David has saved is less than ` 25.

(4) The value of the 25 paise coins David has saved is twice the value of the 25 paise coins Rina has saved.

56. a and b are square numbers. The LCM of a and 140 is 560 and the LCM of b and 140 is 700. Then LCM of a and b is

(1) 400 (2) 1600

(3) 2500 (4) 4900

57. If A : B = 3 : 4, B : C = 5 : 6, then C : A is

(1) 6 : 3 (2) 15 : 24 (3) 8 : 5 (4) 3 : 4

58. A man's monthly salary is Rs. x. If his expenses per day are Rs. z, what are his savings in a non leap year?

(1) Rs. (12x – z) (2) Rs. (12x – 365z)

(3) Rs. (12x – 366z) (4) Rs. (x – 12z)

59. Find the sum of all the three digit numbers formed by 3, 5 and 7 in which no digit is repeated.

(1) 1110 (2) 3330

(3) 2220 (4) 4440

60. Simplify xy –[yz – zx – {yx – (3y – xz) – (xy – zy)}]

(1) xy + 2xz + 3y (2) xy + 2xz – 3y

(3) xy – 2xz + y (4) xy – x

SECTION-E : MENTAL ABILITY

This section contains **20 Multiple Choice Questions.** Each question has four choices (1), (2), (3) and (4) out of which ONLY ONE is correct.

61. While facing East you turn to your left and walk 10 m then turn to your left and walk 10 m, and now you turn 45° towards your right and go straight to cover 25m. Now, in which direction are you from your starting point?

(1) North-East (2) South-West

(3) South-East (4) North-West

62. From his house, Lokesh went 15 kms to the North. Then he turned West and covered 10 kms. Then, he turned South and covered 5 kms. Finally turning to East, he covered 10 kms. In which direction is he from his house?

(1) East (2) West (3) North (4) South

63. Virendra goes 30 metres towards East , then he turns right and goes 10 metres. Now, he turns again right and goes 15 metres. Again he turns left and goes 10 metres. Now, he again turns right and goes 15 metres. Finally, he turns right and goes 10 metres. In which direction and how far is he from his original position ?

(1) South, 10 metres (2) North, 10 metres

(3) North, 20 metres (4) East, 20 metres

64. Arrange the given words in the sequence in which they occur in the dictionary and choose the correct sequence.

1. Precede 2. Precision 3. Precise 4. Precept

5. Preach 6. Prelude

(1) 5, 3, 1, 4, 2, 6 (2) 5, 1, 4, 3, 2, 6 (3) 5, 1, 3, 4, 2, 6 (4) 5, 1, 4, 2, 3, 6

65. In a certain code language, 'EXTREME' is coded as 'CKCPRVC', then what will be the code for 'GREATER' ?

(1) SFUBFSH (2) PCRYCPE (3) DSFBQFS (4) FSDBQDS

66. Find the combinations of numbers so that letter arranged accordingly form a meaningful word.

E N P T A L

1 2 3 4 5 6

(1) 3, 6, 5, 2, 1, 4 (2) 4, 1, 2, 5, 6, 3

(3) 1, 4, 2, 5, 6, 3 (4) 6, 5, 4, 3, 2, 1

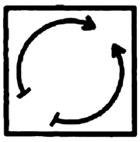
67. If JKL = 11 , BCD = 3 , then what will be the code for XYZ ?

(1) 15 (2) 75 (3) 25 (4) 1

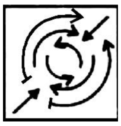
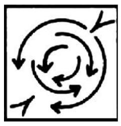
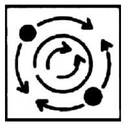
68. Sam is ranked ninth from the top and thirty-eighth from the bottom in a class. How many students are there in the class?

(1) 45 (2) 46 (3) 47 (4) 48

69. Fig. (X) is embedded in any of the four alternative figures. Find the alternative which contains fig. (X).



(X)

(1)  (2)  (3)  (4) 

70. How many such pairs of letters are there in the word 'PARROT' which has as many letters between them in the word as in a English alphabet ?

(1) 1 (2) 2 (3) 3 (4) 4

71. Choose the alternative which closely resembles the Water Image of the given combination:

PRACTICAL579

(1)  (2) 

(3)  (4) 

72. Choose the alternative which closely resembles the Mirror Image of the given combination :

3BICYCLER378

(1)  (2) 

(3)  (4) 

73. What number will come in place of question mark in the following series ?

345, 357, 372, 384, 399, 420, ?

(1) 422 (2) 426

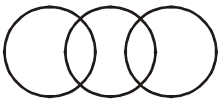
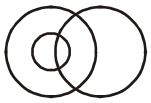
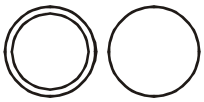
(3) 431 (4) 438

74. A figure marked (X) is followed by four figures (1), (2), (3) and (4) which show that possible water images of figure (X). Choose one out of these four figures which shows the correct water image of the figure (X).

(X)

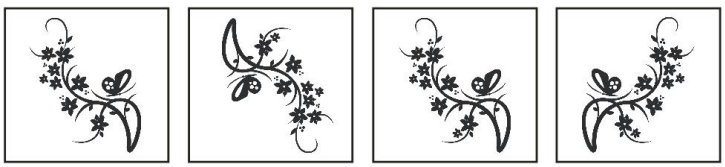
(1) 
(2) 
(3) 
(4) 

75. Which of the following diagrams indicates the best relation between RUSSIAN, ITALIANS, CARPENTERS ?

(1) 
(2) 
(3) 
(4) 

76. Choose the correct Mirror Image from alternatives (1), (2), (3) and (4) of the figure (X).

(X)



(1) (2) (3) (4)

77. If 'N means ÷ ',' Q means – ',' L means × ',' G means +', then what will be the value of given expression

20 Q 20 L 56 N 28 G 30

(1) – 50 (2) 50

(3) 10 (4) 20

78. What number will come in place of question mark (?) in the following number series ?
102 , 79 , 66 , 47 , 38 , ?
(1) 16 (2) 23 (3) 27 (4) 8

79. Three of the following are alike in a certain way and so form a group. Which is the one that does not belong to that group?
(1) Mercury (2) Moon
(3) Jupiter (4) Venus

80. What will be the value of given expression :
$64 \div 4 + 13 \times 3 - 24 \times 2$
(1) 7 (2) 13 (3) 17 (4) 25

SPACE FOR ROUGH WORK

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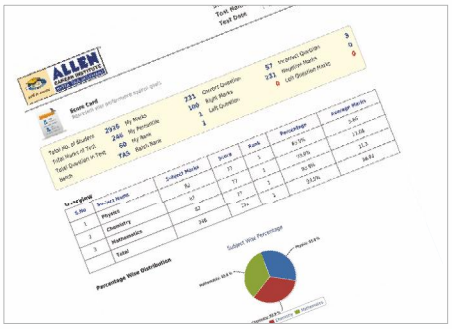
Classroom Session

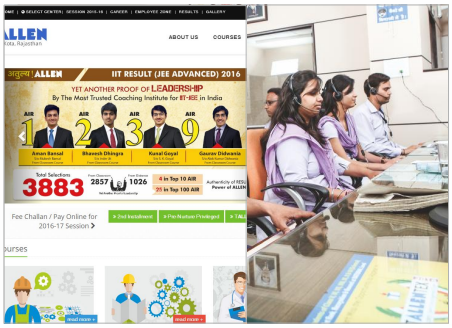
Prarthana

Open Session & Medal Distributions

Regular Test



Test Result - (CSAT)



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IChO-2016
TBILISI, GEORGIA

Silver Medal
SHARVIK MITTAL

International Physics Olympiad

47th International Physics Olympiad
IPhO-2016
SWITZERLAND

Silver Medal
DIVYANSH GARG
(Classroom)

International Biology Olympiad

27th International Biology Olympiad
IBO-2016
HANOI, VIETNAM

Gold Medal
LAJJA BEN PATEL
(Classroom)

Silver Medal
VIDUSHI VARSHNEY
(Classroom)

International Earth Science Olympiad

10th International Earth Science Olympiad
(IESO) 2016
JAPAN

Silver Medal
AMARJIIT VIKAS PANDE
(Classroom)

ALLEN Results : Pre-Nurture & Career Foundation (2015-16)

STAGES OF OFFICIAL OLYMPIADS MENTORED BY HBCSE

IJSO

STAGE 1
35 Selections in NSEJS
STAGE 2
16 Selections in INJSO
STAGE 3
3 Selections in OCSC
NISHANT ABHANGI
AYUSHMAN TRIPATHY
GAURANG
selected for IJSO 2016

International Junior Science Olympiad

IBO

STAGE 1
3 Selections in NSEB
STAGE 2
3 Selections in INBO
STAGE 3
3 Selections in OCSC
VIDUSHI VARSHNEY
Got Silver Medal In IBO 2016

International Biology Olympiad
JEEVESH is the youngest in the country so far to qualify stage-1 of IBO

IChO

STAGE 1
1 Selection in NSEC
DHYEY SANKALP GANDHI
is the youngest in the country so far to qualify stage-1 of IChO

International Chemistry Olympiad

IOAA

STAGE 2
RAYYAN SHAHID
selected in INJAO 2016

International Astronomy Olympiad Junior

IMO

STAGE 1
190 Selections
from Gujarat & 11 from Maharashtra for RMO through PRE RMO.
3 STUDENTS SECURED 100% MARKS
STAGE 2
14 Selections in RMO for INMO

International Maths Olympiad

IESO

STAGE 1
NET – 6 Selections Conducted by Geological Society of India

International Earth Science Olympiad

IJSO

IJSO-2015

12th International Junior Science Olympiad
(IJSO) 2015
KOREA

Gold Medal
BHASKAR GUPTA
(Classroom)

Gold Medal
LAKSHYA SHARMA
(Classroom)

Silver Medal
VIDUSHI VARSHNEY
(Classroom)

International Junior Science Olympiad

APTITUDE IN SCIENCE / MATHEMATICS

NSO

571 Selections in NSO (Level-1)

NISHANT ABHANGI: **AIR-1** (Level-2)

NSO National Science Olympiad

Conducted by Science Olympiad Foundation, New Delhi

STSE 2015

36 Selections for Scholar Certificate

155 Selections for Distinction Certificate

STSE State Talent Search Examination

Conducted by Rajasthan Board of Secondary Education

NSTSE

232 Selections in NSTSE (Level-1)

63 Selections in NSTSE (Level-2)

NISHANT ABHANGI: **AIR-1** (Level-2)

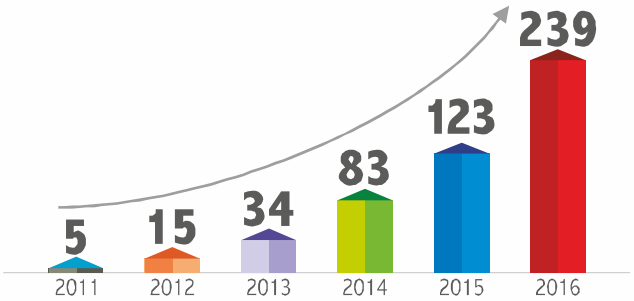
NSTSE National Science Talent Search Examination

Conducted by Unified Council, Hyderabad

NTSE

239 Students Selected From **ALLEN**

NTSE 2016 (STAGE-2)



APTITUDE IN MATHEMATICS

NMTC

274 Selections in NMTC (Prelim)

17 Selections in NMTC (Final)

NMTC National Mathematics Talent Contest

Conducted by Association of Mathematics Teachers of India, Chennai

IMO (SOF)

370 Selections in IMO (Level-1)

IMO International Mathematics Olympiad

Conducted by Science Olympiad Foundation, New Delhi

APTITUDE IN INFORMATION TECHNOLOGY

UCO

140 Selections in UCO (Level - 1)

59 Selections in UCO (Level - 2)

UCO Unified Cyber Olympiad

Conducted by Unified Council, Hyderabad

SCIENTIFIC APTITUDE

BALSHREE HONOUR

14 Selections in Balshree in Local Round Rajasthan-7 | Gujrat-5 Madhya Pradesh-2)

Consist of Plaque, Citation, ₹15000 & Literature set

Conducted by National Bal Bhavan

LANGUAGE PROFICIENCY

TRINITY GESE

38 Selections in TRINITY GESE Distinction : 21 Merit : 17

GESE Grade Examination for Spoken English

Conducted by Trinity College, London

WORKSHOP/CONFERENCES

NMC

9 Selections in NMC Including Ranks 1,2,3 & 4

NMC National Maths Conference

Conducted by Association of Mathematics Teachers of India, Chennai

APTITUDE IN INTELLIGENCE QUATIENT (IQ)

TECHNOTHLON PRELIMS 2015

20 Students (10 Teams) Selected for Techniche

29 Selections for Silver Certificate in Technothlon Prelims

Conducted by IIT Guwahati

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TECHNICHE 2015

2 Students (1 Team)
KHUSHI TIBAREWAL
STUTI SHAH
won Junior Squad in Techniche

Conducted by IIT Guwahati

Techniche Indian Institute of Technology Guwahati

TECHKRITI

7 Students (Including AIR-1 & AIR-3) Selected in Techkriti

Conducted by IIT Kanpur

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Answer Key

TALLENTEX 2017
ALLEN'S Talent Encouragement Exam

Class- 7th (VII)

Held on : 23 October 2016

Q. No.	Ans.
1	2
2	3
3	3
4	4
5	4
6	4
7	1
8	3
9	1
10	1
11	3
12	3
13	1
14	1
15	1
16	3
17	2
18	3
19	3
20	1

Q. No.	Ans.
21	4
22	4
23	3
24	4
25	4
26	2
27	1
28	2
29	3
30	1
31	1
32	2
33	2
34	2
35	4
36	2
37	1
38	1
39	2
40	2

Q. No.	Ans.
41	2
42	2
43	3
44	3
45	2
46	4
47	1
48	4
49	1
50	2
51	2
52	1
53	1
54	1
55	2
56	1
57	3
58	2
59	2
60	2

Q. No.	Ans.
61	4
62	3
63	1
64	2
65	2
66	1
67	3
68	2
69	2
70	2
71	4
72	3
73	2
74	3
75	1
76	3
77	3
78	2
79	2
80	1

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