

LFCHS IRINJALAKUDA

ACHIEVEMENT TEST

PHYSICS

SCORE:25
TIME :1 HOUR

STANDARD : VIII

Instructions

- First 5 minutes is given as cool off time.
- Answer all the questions
- Answer questions according to score and time

PART A

(1x8=8)

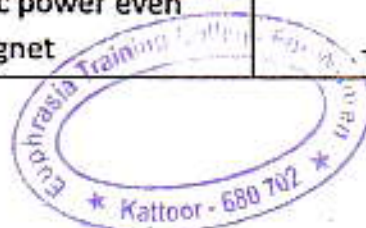
- 1) Magnetic needle arranged in such a way that it can rotate freely inside an aluminium or plastic case is called _____
- 2) Lodestone : natural magnet
Alnico : _____
- 3) Choose the correct statement
 - a) North pole of a magnet attract the north pole of another magnet
 - b) North pole of a magnet attract the south pole of another magnet
 - c) North pole of a magnet repel the south pole of another magnet
- 4) Magnetic lines of force _____ one another (intersect/not intersect)
- 5) Name any two magnets according to the shape of the magnet
- 6) which of these materials will not be attracted by a magnet (nickel, Iron,copper,cobalt)
- 7) How does maglev train minimise noise pollution
- 8) The phenomenon of a magnetic substance acquiring magnetism due to the presence of a magnet is _____

PART B

(6X2=12)

- 9) An iron rod and steel rod of equal size are placed near a magnet complete the following table based on the property of these substance

Rod which act as a strong magnet	_____ a _____
Rod which retain magnetic power even after removed it from magnet	_____ b _____



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- 10) write any 4 properties of the magnet .
- 11) Magnetic lines of force pass more easily through soft iron than air why?
What is the principle behind this?
- 12) What is Susceptibility and Retentivity?
- 13) What is natural magnet?
- 14) In the figure south pole of two bar magnet are placed facing one another.
Redraw the figure and illustrate magnetic field lines

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PART C

(1X5=5)

- 15) a) What is electromagnet and list out the materials for making an electromagnet
b) Suggest few methods to increase the strenght of the electromagnet .



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EDU 02 – DEVELOPMENT OF LEARNER

TASK 2: Administer any one standardised psychological tool to Primary/Secondary school students to identify Individual Differences among learners

Psychological tool: Immediate Memory Test by Bhatia




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IMMEDIATE MEMORY TEST

DIGITS: DIRECT

- Two: 4-7, 6-3, 5-8
- Three: 6-4-1, 3-5-2, 8-3-7
- Four: 4-7-2-9, 3-8-5-2, 7-2-6-1
- Six: 4-7-3-8-5-9
5-2-9-7-4-6
7-2-8-3-9-4
- Seven: 5-3-4-7-9-2-6
2-7-5-6-9-4-3
9-4-3-8-7-5-2
- Eight: 7-2-5-9-4-8-3-6
4-7-1-5-3-9-6-2
4-1-9-3-5-8-2-6
- Nine: 5-9-6-1-3-8-2-7-4
9-2-5-8-4-1-7-3-6
4-7-2-9-1-6-8-5-3

DIGITS: REVERSED

- Three: 7-3-5, 5-3-7
- Four: 8-5-2-6
4-9-3-7
3-6-2-9
- Five: 8-1-3-7-9
6-9-5-8-2
5-2-9-4-1
- Six: 9-2-7-3-1-4
6-4-2-5-8-3
7-5-8-6-4-1



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ATTITUDE SCALE

Name of school:

Class:

Age:

Instructions

- Answer all question
- Mark the answers with a tick () mark
- Answer will be private

SA-Strongly agree

PA-Partially agree

DA-Disagree

SL NO	QUESTIONS	SA	PA	DA
1	Maths is my favourite subject			
2	Maths class are very interesting			
3	Maths games are exciting			
4	Maths is easy to learn			
5	Maths is related to daily life			
6	It is easy to solve problems in maths			
7	Geometry and its construction attract me to study maths			
8	I like reading books related to maths			
9	Maths helps in learning other subjects			
10	Maths helps me to solve problems in day-to-day life			
11	I feel very happy while solving each problem in maths			




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12	I score more mark in maths exam			
13	Maths subject improves my memory power			
14	I try my best to solve maths problems			
15	I like to spend more time on maths			
16	Theorems in maths make less interest in learning			
17	There are lot of homework in maths			
18	Equations are difficult to remember			
19	It is very difficult to remember the answers of question in maths			
20	My ability to understand the importance of maths is very poor			
21	Some math concepts are difficult to learn			
22	I don't like maths related games			
23	I feel difficultly in studying theories and proofs in maths			
24	I feel mental stress in doing so many maths problems			
25	Mathematic problems in textbooks are difficult to solve			
26	Maths lab is not useful			
27	Maths takes more time than other subjects			
28	The teaching skill of maths teacher doesn't influence me			
29	Maths is boring.			
30	Mathematics syllabus is burden to us			

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