



**Secondary School Readiness Program  
Diagnostic Test Analysis Workshop  
3<sup>rd</sup> February 2015  
Bhubaneswar, Odisha**

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**RMSA-TCA**  
Rashtriya Madhyamik Shiksha Abhiyan  
Technical Cooperation Agency

# Secondary School Readiness Program

- **Purpose:**

- ❖ Centres on identifying and equipping students with “core learning prerequisites” for making a successful transition into secondary school and being ready to participate meaningfully in grade appropriate learning

- **Benefits :**

- ❖ Enabling students to emerge as successful learners when they pass out of secondary school
- ❖ Enables the adaption /adoption /integration of different pedagogic approaches to suit a diverse set of learners
- ❖ Encouraging creative changes in the design of the curriculum and textbooks basis the evidence emerging from this programme

# SSRP: Overall Design

Develop State specific learning indicators using NCERT learning indicators as the base

Develop appropriate diagnostic test and conduct context study of schools

Analyse diagnostic test results and develop SSRP curriculum

Develop appropriate pedagogic approaches and materials for teachers and learners

Engage in training and capacity building exercises for master trainers and teachers

Implementation of Package of materials and teachers to use materials and teaching practices in contact time

Review/Reflect and refine the package and practices

# Diagnostic Test Analysis

- Diagnostic Test has been conducted in 10 school of Khordha district of Odisha
- Schools were randomly selected basing on 4 criteria: Urban, Rural , Minority & Tribal
- There were 40 questions contained in this paper
- Questions were set referring the learning indicators from class 3 to class 9
- Before, the administration of diagnostic test , piloting was made in the month of November 2015 ( 26.11.2015) in one school of Khordha district( Unit -8 Boys' High School ,Bhubaneswar : Science -18, Odia – 17, & Math -16 students) among the class IX students to understand the difficulty level of the questions & there were 50 questions in that test papers ( including 10 anchor questions )

# Diagnostic Test Analysis

- After the piloting Test paper & question-wise evaluation of test results, test paper for diagnostic test was finalised by the experts
- In the second week of December 2015 ( 11 & 12 December 2015 ), the test was conducted in the schools
- A team consisting of 10 members conducted the test in the school & each member was responsible in conducting the test in one school
- The duration of the test is 1.30 hours
- After the test, the answer papers were evaluated by the experts basing on the rubrics prepared by the expert ( Model Answer paper )
- The test papers were evaluated based the response :
  - Y – Solved correctly
  - N - Solved incorrectly
  - ?- Could not attempt
  - P – Solved , but partly correct ( But for analysis, it has been considered as solved incorrectly )

# Diagnostic Test : Schools

Diagnostic Test was conducted in 10 schools of Khordha district

- 1.K.C. Vidyapitha, Janla
- 2.Mandanpur High School
- 3.Panchayat High School, Paikaraypur
- 4.Itipur High School
5. Unit -6 Girls' High School, Bhubaneswar
- 6.Power House Colony High School
7. Maa Bhuasuni Vidyapitha , Samantarapur
8. CRP Municipal High School, Bhubaneswar
9. S.M. Ali High School
10. Tapoban High School

# Context study Analysis

- To have a brief knowledge about the schools' physical and teacher status
- To understand the socio-economic background of the students
- To understand the issues related to students' academic achievement

# Schools of Context Study

## Urban

- Unit VI Govt Girls High School
- CRP Municipal High School

## Rural

- Paikrapur High School
- K C Vidyapitha, Jaanla

## Tribal

- Tapoban High School





# Secondary School Readiness Program Diagnostic Test Analysis of Odia(Language) Test

3<sup>rd</sup> February 2015  
Bhubaneswar, Odisha

# Diagnostic Test of Odia (Language)

- Diagnostic Test has been conducted in 10 school of Khordha district of Odisha
- Schools were randomly selected basing on 4 criteria: Urban, Rural , Minority & Tribal
- There were 40 questions contained in this paper
- Questions were set referring the learning indicators from class 3 to class 9
- From level 3 to 7 level, there were 6 questions for each class & for class 8 & 9, there were 5 questions
- Before, the administration of diagnostic test , piloting was made in the month of November 2015 ( 26.11.2015) in one school of Khordha district among the class IX students to understand the difficulty level of the questions & there were 50 questions in that test papers ( including 10 anchor questions )

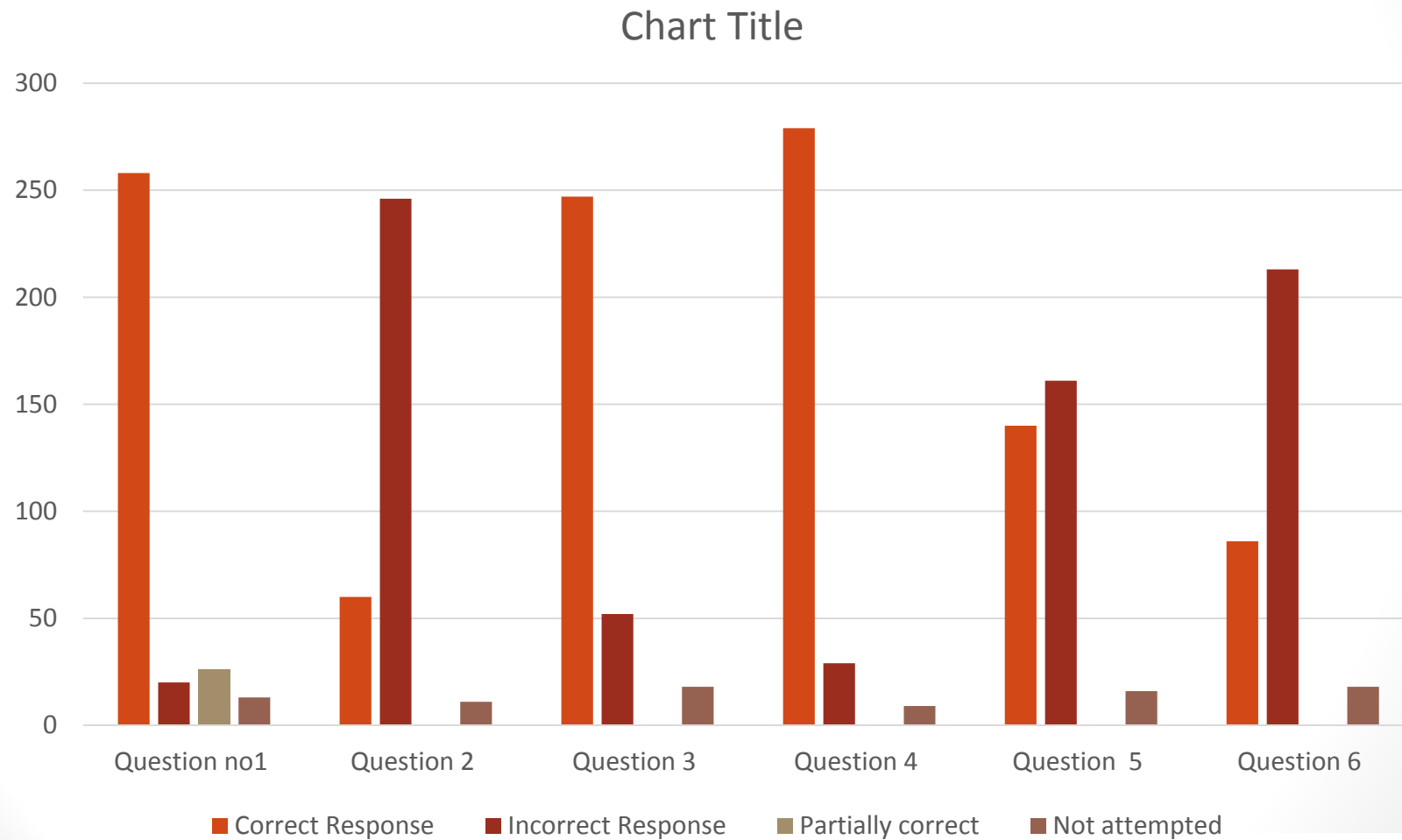
# Diagnostic Test of Odia

- After the piloting Test paper & question-wise evaluation of test results, test paper for diagnostic test was finalised by the experts
- In the second week of December 2015 ( 11.12.2015 ), the test was conducted in the schools
- A team consisting of 10 members conducted the test in the school & each member was responsible in conducting the test in one school
- The duration of the test is 1.30 hours
- After the test, the answer papers were evaluated by the experts basing on the rubrics prepared by the expert ( Model Answer paper )
- The test papers were evaluated based the response :
  - Y – Solved correctly
  - N - Solved incorrectly
  - ?- Could not attempt
  - P-Partially correct ( But for evaluation purpose it is considered as incorrect )

# Question wise Analysis of Test Result

Question No.	1	2	3	4	5	6
TOTAL CORRECT Response	258	60	247	279	140	86
TOTAL Incorrect Response	20	246	52	29	161	213
Total number of students not attempted	26	0	0	0	0	0
Partially Correct	13	11	18	9	16	18
Total	317	317	317	317	317	317

# Question wise Analysis



# Odia -D.test -Final.xlsx

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# Question wise Analysis

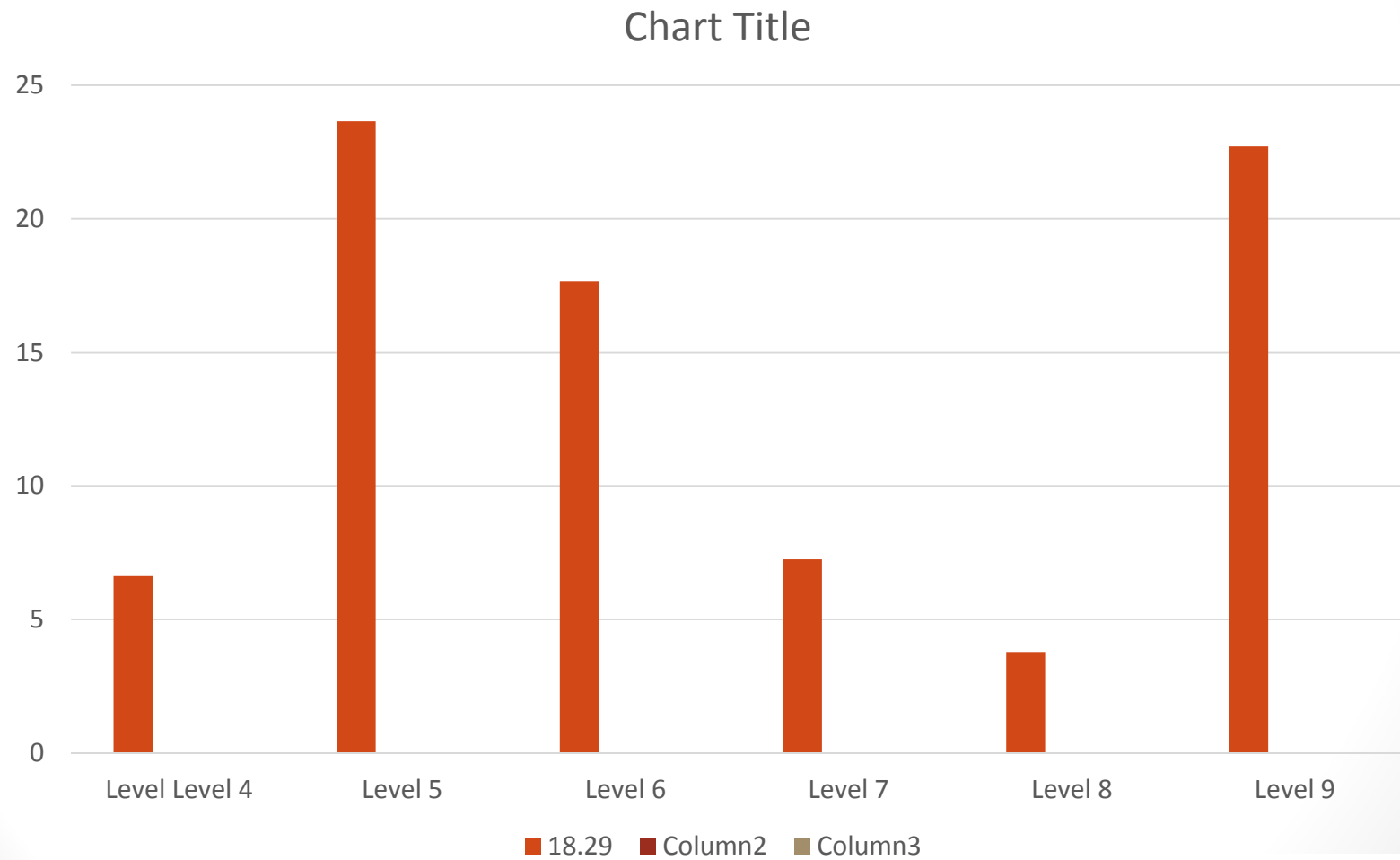
- ❑ Question number 5, Grammatical usage, 140 solved this question correctly
- ❑ Question no.09, Understanding information, 220students solved this question correctly
- ❑ Question no. 17, using appropriate words to formulate sentence ( Writing) , 227 students solved this question correctly
- ❑ Question no. 30 , comprehension of unseen paragraph, 262 students solved this question correctly
- ❑ Question no. 35, application writing , 198 students solved this question correctly
- ❑ Question no. 40 , letter writing , 168 students solved this question correctly

# Level of Selected Students

LEVEL	NO OF STUDENTS	PERCENTAGE OF STUDENTS
3	58	18.29 %
4	21	6.62%
5	75	23.65 %
6	56	17.66 %
7	23	7.25 %
8	12	3.78%
9	72	22.71 %
Total	317	100%



# Level of Students



# Analysis

- Diagnostic test was conducted on 317 students
- 58 students are in level 3, i.e, 18.29% students are in level 3
- 21 students are in level 4, i.e, 6.62% students are in level 4
- 75 students are in level 5, i.e, 23.65 % students are in level 5
- 56 students are in level 6, i.e, 17.66 % students are in level 6
- 23 students are in level 7, i.e, 7.25 % students are in level 7
- 12 students are in level 8, i.e, 3.78 % students are in level 8
- 72 students are in level 9, i.e, 22.71 % students are in level 9

# Strategy for Improvement

- ❖ Activity Based teaching-learning materials should be framed for foundation camp.
- ❖ Active and innovative teachers should be identified for foundation camp.
- ❖ Learning situations should be according to the context of the students

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**Secondary School Readiness Program  
Diagnostic Test Analysis of Mathematics Test  
3<sup>rd</sup> February 2015  
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# Diagnostic Test of Mathematics

- Diagnostic Test has been conducted in 10 school of Khordha district of Odisha
- Schools were randomly selected basing on 4 criteria: Urban, Rural , Minority & Tribal
- There were 40 questions contained in this paper
- Questions were set referring the learning indicators from class 3 to class 9
- From class 3 to 8 level, there were 5 questions for each class & for class 9, there were 10 questions
- Before, the administration of diagnostic test , piloting was made in the month of November 2015 ( 26.11.2015) in one school of Khordha district among the class IX students to understand the difficulty level of the questions & there were 50 questions in that test papers ( including 10 anchor questions )

# Diagnostic Test of Mathematics

- After the piloting Test paper & question-wise evaluation of test results, test paper for diagnostic test was finalised by the experts
- In the second week of December 2015 ( 12.12.2015 ), the test was conducted in the schools
- A team consisting of 10 members conducted the test in the school & each member was responsible in conducting the test in one school
- The duration of the test is 1.30 hours
- After the test, the answer papers were evaluated by the experts basing on the rubrics prepared by the expert ( Model Answer paper )
- The test papers were evaluated based the response :
  - Y – Solved correctly
  - N - Solved incorrectly
  - ?- Could not attempt

# Question wise Analysis of Mathematics

Question No.	1	2	3	4	5	6
TOTAL CORRECT Response	237	130	97	253	221	193
TOTAL Incorrect Response	60	166	196	44	75	100
Total number of students not attempted	01	02	05	01	02	05
Total	298	298	298	98	298	298



# THANK YOU

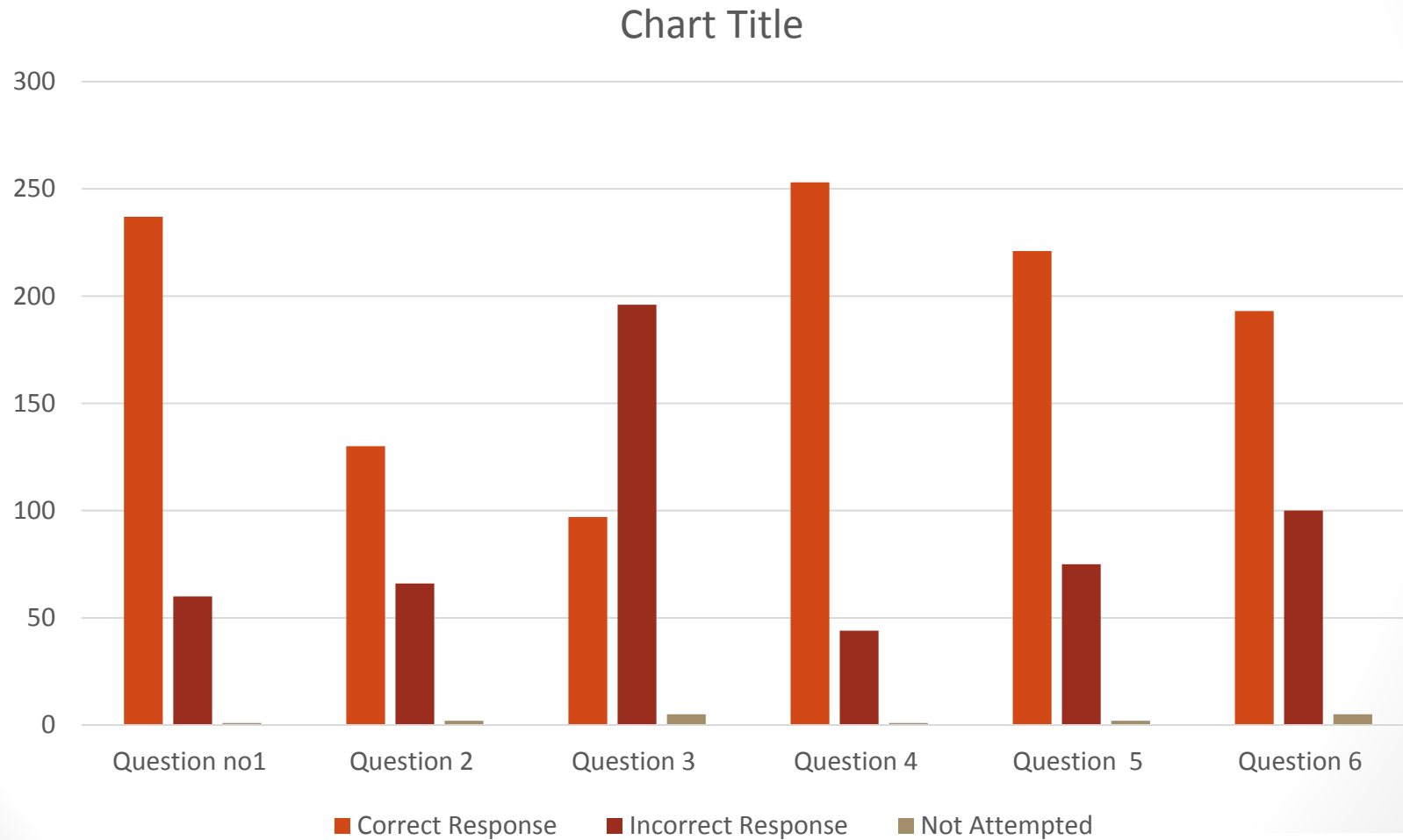
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# Question wise Analysis of Mathematics

Question No.	1	2	3	4	5	6
TOTAL CORRECT Response	237	130	97	253	221	193
TOTAL Incorrect Response	60	166	196	44	75	100
Total number of students not attempted	01	02	05	01	02	05
Total	298	298	298	98	298	298

# Question wise Analysis



# Question wise Analysis

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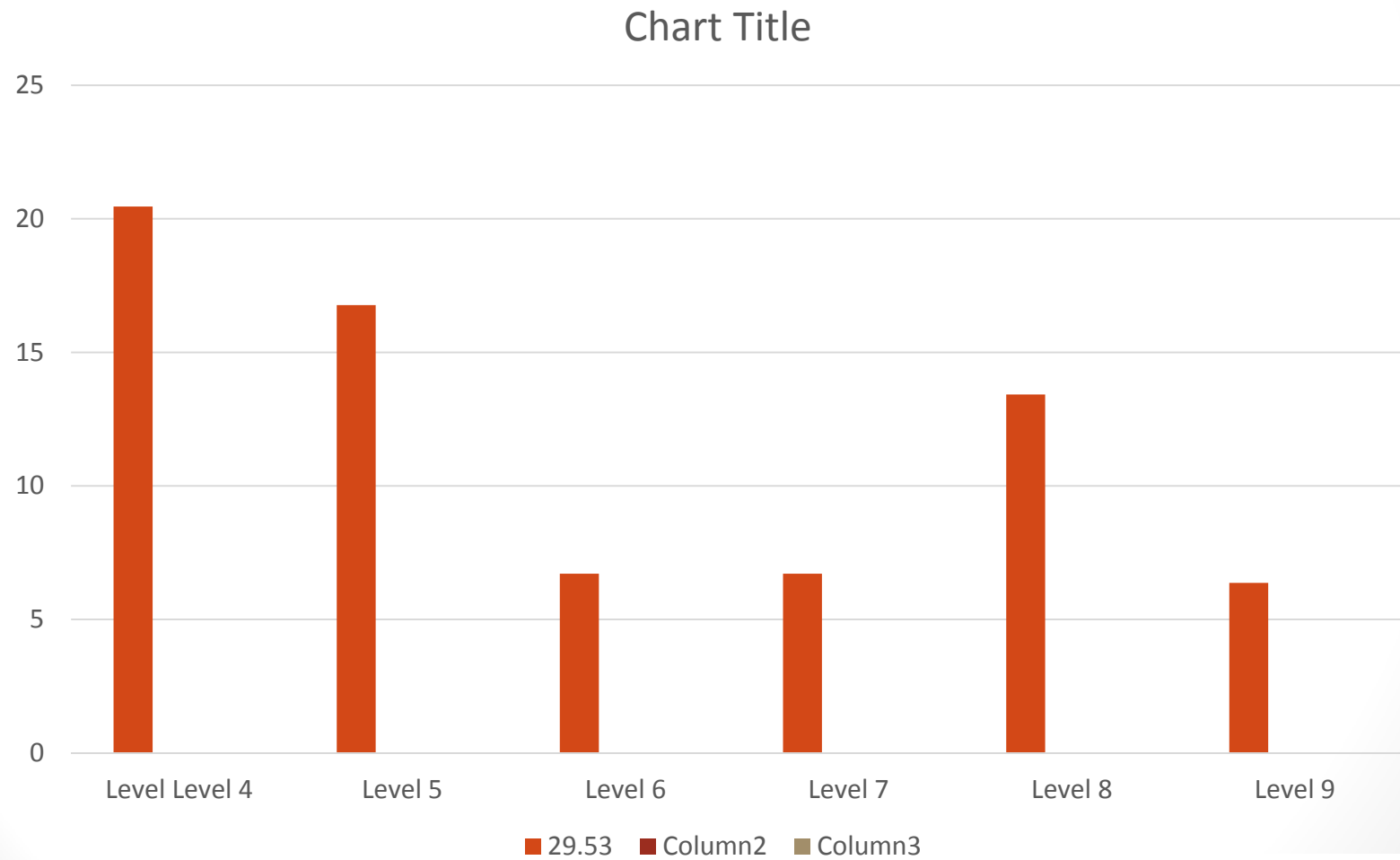
# Question wise Analysis

- ❑ Question number 5, simple mathematical operations in terms of decimal, 221 solved this question correctly
- ❑ Question no.11, properties & applications of circle, 129 students solved this question correctly
- ❑ Question no. 18, statistics & understanding of data, 65 students solved this question correctly
- ❑ Question no. 26 , power & Exponents , 111 students solved this question correctly
- ❑ Question no. 33, algebraic expression, 109 students solved this question correctly
- ❑ Question no. 38 , fundamental rules of trigonometry, 153 students solved this question correctly

# Level of Selected Students

LEVEL	NO OF STUDENTS	PERCENTAGE OF STUDENTS
3	88	29.53%
4	61	20.46%
5	50	16.77%
6	20	6.71%
7	20	6.71%
8	40	13.42%
9	19	6.37%
Total	298	100%

# Level of Students



# Analysis

- Diagnostic test was conducted on 298 students
- 88 students are in level 3, i.e, 29.53% students are in level 3
- 61 students are in level 4, i.e, 20.46% students are in level 4
- 50 students are in level 5, i.e, 16.77 % students are in level 5
- 20 students are in level 6, i.e, 6.71 % students are in level 6
- 20 students are in level 7, i.e, 6.71 % students are in level 7
- 40 students are in level 8, i.e, 13.42 % students are in level 8
- 19 students are in level 9, i.e, 6.37 % students are in level 9



# Strategy for Improvement

- ❖ Activity Based teaching-learning materials should be framed for foundation camp.
- ❖ Active and innovative teachers should be identified for foundation camp.
- ❖ Learning situations should be according to the context of the students

# THANK YOU

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**Secondary School Readiness Program  
Diagnostic Test Analysis of Science Test  
3<sup>rd</sup> February 2015  
Bhubaneswar, Odisha**

# Diagnostic Test of Science

- Diagnostic Test has been conducted in 10 school of Khordha district of Odisha
- Schools were randomly selected basing on 4 criteria: Urban, Rural , Minority & Tribal
- There were 40 questions contained in this paper
- Questions were set referring the learning indicators from class 3 to class 9
- From class 3 to 8 level, there were 5 questions for each class & for class 9, there were 10 questions
- Before, the administration of diagnostic test , piloting was made in the month of November 2015 ( 26.11.2015) in one school of Khordha district among the class IX students to understand the difficulty level of the questions & there were 50 questions in that test papers ( including 10 anchor questions )

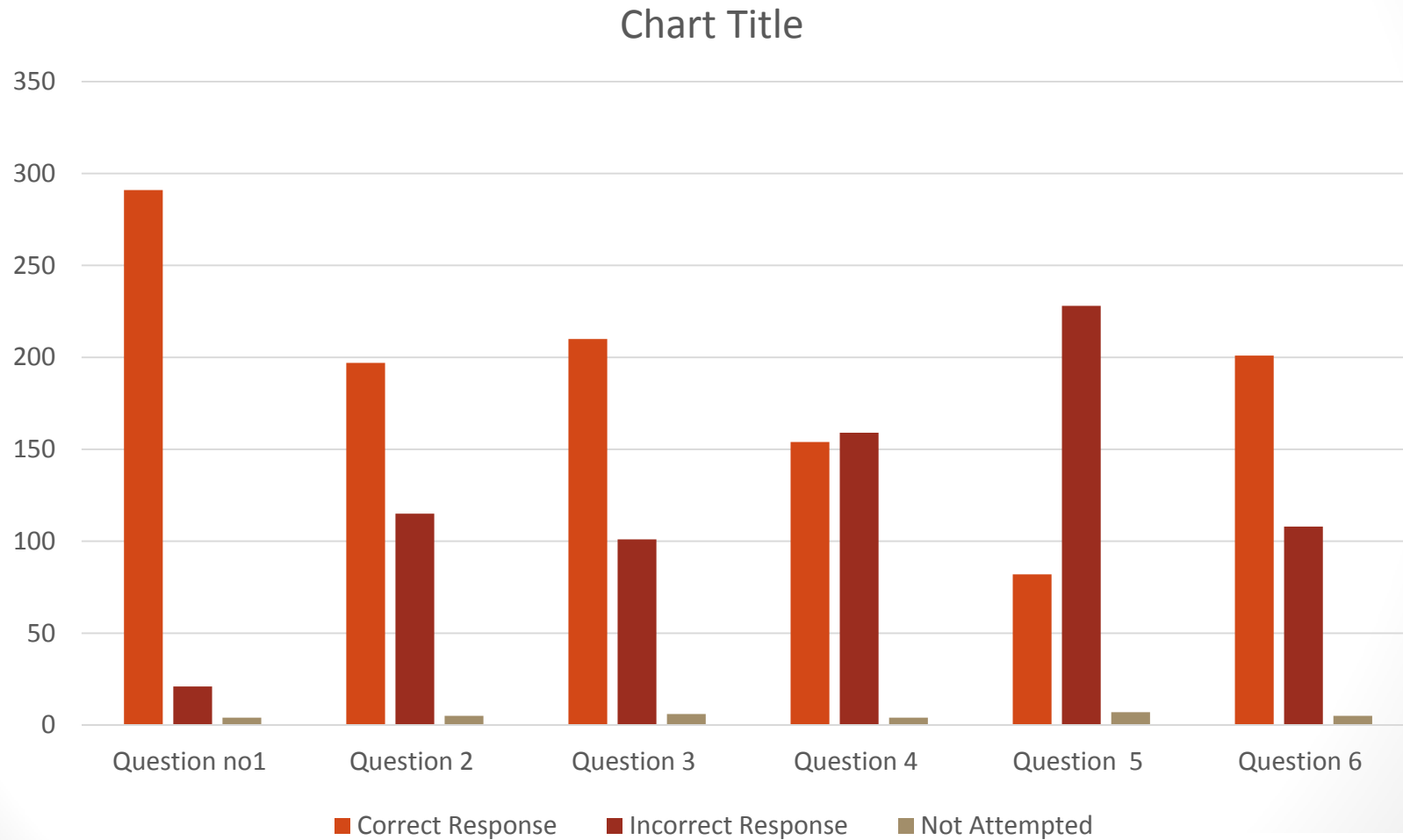
# Diagnostic Test of Science

- After the piloting Test paper & question-wise evaluation of test results, test paper for diagnostic test was finalised by the experts
- In the second week of December 2015 ( 11.12.2015 ), the test was conducted in the schools
- A team consisting of 10 members conducted the test in the school & each member was responsible in conducting the test in one school
- The duration of the test is 1.30 hours
- After the test, the answer papers were evaluated by the experts basing on the rubrics prepared by the expert ( Model Answer paper )
- The test papers were evaluated based the response :
  - Y – Solved correctly
  - N - Solved incorrectly
  - ?- Could not attempt

# Question wise Analysis of Science

Question No.	1	2	3	4	5	6
TOTAL CORRECT Response	292	197	210	154	82	201
TOTAL Incorrect Response	21	115	101	159	228	108
Total number of students not attempted	04	05	06	04	07	08
Total	317	317	317	317	317	317

# Question wise Analysis

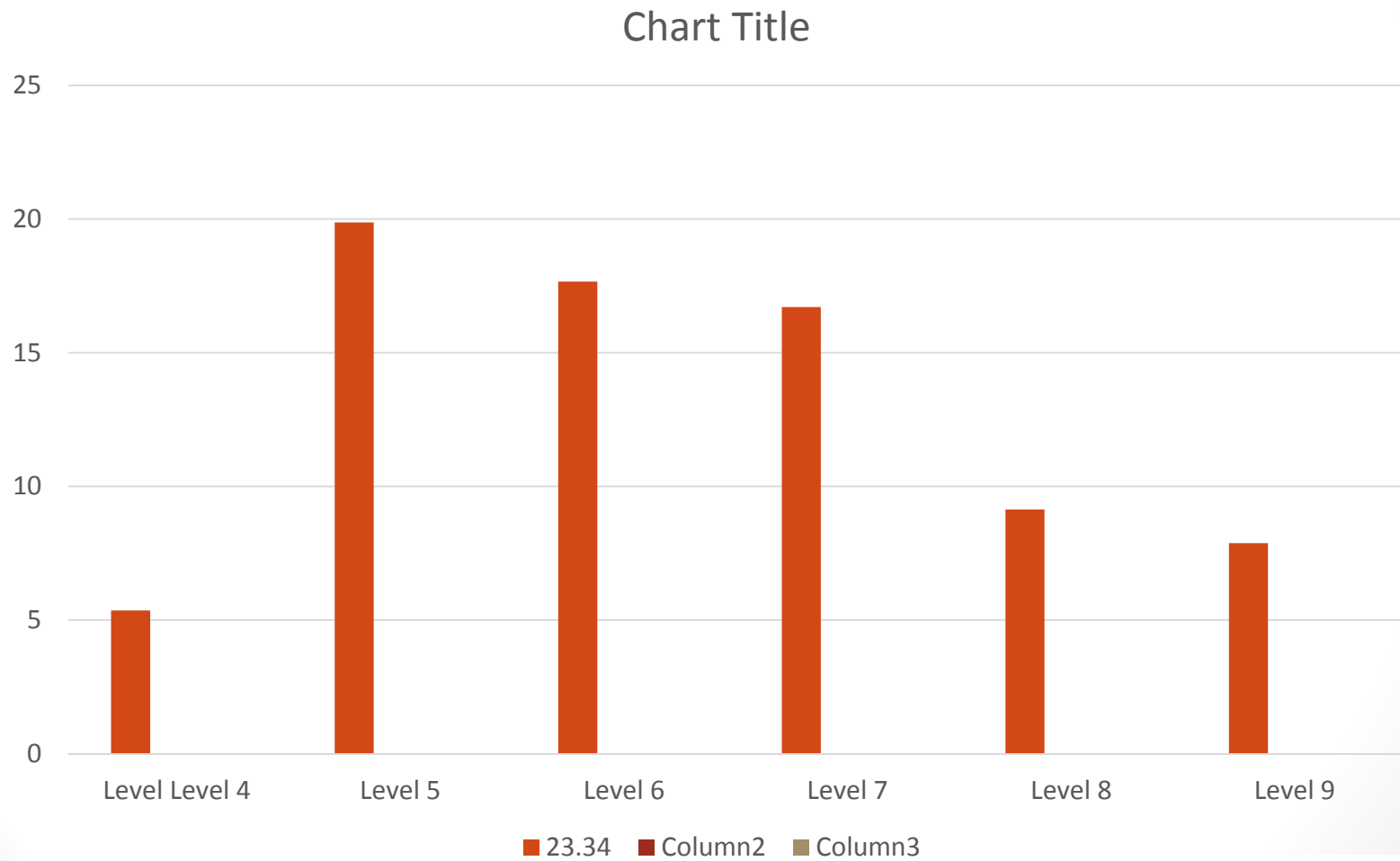


# Level of Selected Students

LEVEL	NO OF STUDENTS	PERCENTAGE OF STUDENTS
3	74	23.34%
4	17	5.36%
5	63	19.87%
6	56	17.66%
7	53	16.71%
8	29	9.14%
9	25	7.88%
Total	317	100%



# Level of Students



# Analysis

- Diagnostic test was conducted on 298 students
- 74 students are in level 3, i.e, 23.34% students are in level 3
- 17 students are in level 4, i.e, 5.36% students are in level 4
- 63 students are in level 5, i.e, 19.87 % students are in level 5
- 56 students are in level 6, i.e, 17.66 % students are in level 6
- 53 students are in level 7, i.e, 16.71 % students are in level 7
- 29 students are in level 8, i.e, 9.14 % students are in level 8
- 25 students are in level 9, i.e, 7.88 % students are in level 9

# Strategy for Improvement

- ❖ Activity Based teaching-learning materials should be framed for foundation camp.
- ❖ Active and innovative teachers should be identified for foundation camp.
- ❖ Learning situations should be according to the context of the students

# THANK YOU

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