APPENDICES

The vocabulary taught to the students

Verbs	Nouns	Adjectives/ Colors
clap	chair	*black*
cry	*clouds*	*blue*
dance	*bird*	*brown*
fly	*grass*	*green*
jump	head	*gray*
know	*moon*	*orange*
nod	*sea*	pink
run	*sky*	*red*
sit	*star*	*yellow*
stand	*sun*	*white*
shake	*table*	
sleep	*thunder*	
swim	*tree*	
wave		

Verbs	Nouns	Adjectives
ask	*bed*	*clever*
drink	*dining room*	*dirty*
eat	*fish*	*diligent*
blow	*kitchen*	*hungry*
go	rock	*lazy*
give	*school*	*sleepy*
make	*sand*	*stupid*
see	*wind*	*thirsty*
tell		
wash		

Verbs	Nouns	Adjectives
buy	daddy	***summer*** → ***hot***
come again	***mama***	***winter*** → ***cold***
go away	***pizza***	autumn → ***hot***
hop	sandwich	spring → ***warm***
need	***bread***	
love	***cake***	
play	**candy**	
see	***shop***	
show		
want		

LESSON PLAN I

Field of Study : Language
Sub-field of Study : English
Subject : Vocabulary
Topic : Poems contain verbs, nouns and adjectives
Class : IIIA (Experimental Group)
Time allocated : 60 minutes

I. General Instructional Objectives

Students are able to understand the meaning of vocabularies used in the poems.

II. Specific Instructional Objectives

1. Students are able to guess the meaning of verbs, nouns and adjectives used in the poems through motions.
2. Students are able to enjoy the rhyme and rhythm of the poems.
3. Students are able to write the meaning of words in the list correctly.
4. Students are able to complete poems or write their own poems

III. Time allocation

a. Greeting 5'
b. Writing the poems on the board 5'
c. Presenting the poem and its variations 30'
d. Finishing the exercise 20'

60'

IV. Approach and Method

a. Approach : Total Physical Respond & Communicative Approach

b. Method : Act out

V. Teaching Material

Poem (1) *Vocabulary taught: Verbs and numbers*

Sit one and two

Stand three and four

Clap one and two

Nod three and four

Remarks : Verbs and numbers can be replace by the other words such as jump, run, dance, sleep, eat, swim, fly ,hop, tap, shout, shake etc.

Poem (2) Vocabulary taught : Nouns and Colours

I don't know why the sky is blue

I don't know why the sun is round

do you ?

I don't know why the thunder makes a sound

I don't know why the clouds are white

do you ?

Remarks : Change the verbs, nouns and adjectives/colors that match to each other.

Evaluation :

- The teacher gives them list of words to be filled in.

Clap = ...	Chair = ...	*Black* = ...
Cry = ...	*Clouds* = ...	*Blue* = ...
dance = ...	*Bird* = ...	*Brown* = ...

Fly = ...	*Grass* = ...	*Green* = ...
Jump = ...	Head = ...	*Gray* = ...
Know = ...	*Moon* = ...	*Orange* = ...
Nod = ...	*Sea* = ...	Pink = ...
Run = ...	*Sky* = ...	*Red* = ...
Sit = ...	*Star* = ...	*Yellow* = ...
Stand = ...	*Sun* = ...	*White* = ...
Shake = ...	*Table* = ...	
Sleep = ...	*Thunder* = ...	
swim = ...	*Tree* = ...	
Wave = ...		

- The teacher asks the students to complete the following poems with the words being taught

I don't know why the _____ is _____
I don't know why the _____ is _____
do you ?
I don't know why the _____ makes _____
I don't know why the _____ are _____
do you ?

Note : Students are allowed to create their own poems started with the words '***I don't know why the***'

V. Teaching and Learning Activities

Teacher	Students
I. Pre Activities	
1. Greets the students	*. Respond the greeting
2. Asks the students "Do you like poems?" Why?	*. Answer the question.
3. Tells the students that the teacher has some simple and interesting poems.	
II. Whilst Activities	
1. Writes the poems on the board	*. Pay attention to the teacher's explanations
2. Presents the poems	
3. Explains the meaning of words used in the poems	
4. Asks the students to act the poems together.	*. Do the teacher's instructions
5. Asks the students to write down the meaning of underlining words.	
IIII. Post Activities	
1. Asks the students to do the exercises given.	*. Respond
2. Says good bye	

LESSON PLAN II

Field of Study	: Language
Sub-field of Study	: English
Subject	: Vocabulary
Topic	: Poems contain Verbs, Nouns and Adjectives
Class	: IIIA (Experimental Group)
Time allocated	: 60 minutes

I. General Instructional Objectives

Students are able to understand the meaning of vocabularies used in the poems.

II. Specific Instructional Objectives

1. Students are able to guess the meaning of verbs, nouns and adjectives used in the poems through body motions.
2. Students are able to enjoy the rhyme and rhythm of the poems.
3. Students are able to write the meaning pf words in the list correctly.
4. Students are able to complete the poems or write their own poems.

III. Time Allocation

a.	Greeting	5'
b.	Writing the poems on the board	5'
c.	Presenting the poem and its variations	30'
d.	Finishing the exercise	20'
		60'

IV. Approach and Method

c. Approach : Total Physical Respond & Communicative approach

d. Method : Act out

V. Teaching Material: verbs, nouns and adjectives

Poem (1) *Vocabularies taught verbs, nouns, and adjectives*

Go to bed ,Tom
Go to bed, Tom
Tired or not, Tom
Go to bed, Tom

Remarks : The word 'go to bed and tired' can be replaced by the other verbs and adjectives such as go to school, go to dining room, go to sink, and adjectives such as clever, stupid, hungry, thirsty clean, dirty etc.

Poem (2): *Vocabulary taught : verbs and nouns*

Who Am I?

Who Am I
The trees ask me
And the sky.
And the sea ask me
Who Am I?
The grass asks me
And the sand
And the rocks ask me
Who Am I?
The winds tell me
At nightfall
Someone small

Evaluation:

- The teacher gives them list of words to be filled in.

Verbs	Nouns	Adjectives
Ask = ...	*Bed* = ...	*Clever* = ...
Drink	*dining room* = ...	*Dirty* = ...
Eat = ...	*Fish* = ...	*Diligent* = ...
Blow = ...	*Kitchen* = ...	*Hungry* = ...
Go = ...	Rock = ...	*Lazy* = ...
Give = ...	*School* = ...	*Sleepy* = ...
Make = ...	*Sand* = ...	*Stupid* = ...
See = ...	*Wind* = ...	*Thirsty* = ...
Tell = ...		
Wash = ...		

- The teacher asks the students to complete the following poems with the words being taught

Who Am I?

Who Am I

The _____ asks me

And the _____.

And the _____ ask me

Who Am I?

The _____ asks me

And the _____

And the _____ ask me

Who Am I?

The _____ tell me

At nightfall

Someone _____

VI. Teaching and Learning Activities

Teacher	Students
I. Pre Activities	
1. Greets the students	*. Respond the greeting
2. Asks the students "Do you know why the sky is blue or why the world is round?"	*. Answer the question.
3. Tells the students that the teacher has a poem about this question.	
II. Whilst Activities	
1. Writes the poems on the board	
2. Presents the poems	*. Pay attention to the teacher's explanations
3. Explains the meaning words used in the poems	
4. Asks the students to act the poems together.	*. Do the teacher's instructions
5. Asks the students to write down the meaning of underlining words.	
IIII. Post Activities	
1. Asks the students to do the exercises given.	*. Respond
2. Says good bye	

LESSON PLAN III

Field of Study	: Language
Sub-field of Study	: English
Subject	: Vocabulary
Topic	: Poems contain verbs, nouns and adjectives
Class	: IIIA (Experimental Group)
Time allocated	: 60 minutes

I. General Instructional Objectives

Students are able to understand the meaning of vocabularies used in the poems.

II. Specific Instructional Objectives

1. Students are able to guess the meaning of verbs, nouns and adjectives used in the poems through motions.
2. Students are able to enjoy the rhyme and rhythm of the poems.
3. Students are able to write the meaning of words in the list correctly.
4. Students are able to complete the poems or write their own poems

III. Time Allocation

a.	Greeting	5'
b.	Writing the poems on the board	5'
c.	Presenting the poem and its variations	30'
d.	Finishing the exercise	20'
		60'

IV. Approach and Method

e. Approach : Total Physical Respond and Communicative approach

f. Method : Act out

V. Teaching Material: Verbs and Adjectives

Poem (1) *Vocabulary taught : Nouns and verbs*

Chants

Mama, mama

I want a pizza

Please mama buy me a pizza

It's there mama

near the shop

buy me one and I will hop

Remarks: The underlined nouns can be replaced by the other nouns such as

The word mama can be replaced by daddy, uncle, aunt, ... etc.

The word pizza can be replaced by sandwich, hamburger, bread, chocolate, etc.

The word shop can be changed by school, church, house, office, etc.

Poem (2) *Vocabularies taught : nouns and verbs*

Rain, rain go away

come again another day

little children want to play

rain, rain go to Spain

Never show your face again

Remarks : Nouns can be replace by the thing which always bother them when they are playing.

Poems (3)

Summer is hot
Winter is cold
I have a birthday
And I am nine years old.

Remarks : Summer, winter, hot, and cold can be replace by another words such as autumn, winter, etc.

Evaluation:

- The teacher gives them list of words to be filled in.

Verbs	Nouns	Adjectives
Buy = ...	Daddy = ...	*summer* → *hot* = ...
come again = ...	*Mama* = ...	*winter* → *cold* = ...
go away = ...	*Pizza* = ...	autumn → *hot* = ...
Hop = ...	Sandwich = ...	spring → *warm* = ...
Need = ...	*Bread* = ...	
Love = ...	*Cake* = ...	
Play = ...	Candy = ...	
See = ...	*Shop* = ...	
Show = ...		
Want = ...		

- The teacher asks the students to complete the following poems with the words being taught

Chants

.....

I want .....

Please ..... me .....

It's there .....

..... the .....

..... *me one and I will* .....

Note : *Students are allowed to create their own poems using the words given.*

VI. Teaching and Learning Activities

Teacher	Students
I. Pre Activities	
1. Greets the students	*. Respond the greeting
2. Asks the students "Do you like pizza? Why"	*. Answer the question.
3. Tells the students that the teacher has poems about Pizza	
II. Whilst Activities	
1. Writes the poems on the board	
2. Presents the poems	
3. Explains the meaning words used in the poems	*. Pay attention to the teacher's explanations
4. Asks the students to act the poems together.	
5. Asks the students to write down the meaning of underlining words.	*. Do the teacher's instructions
IIII. Post Activities	
1. Asks the students to do the exercises given.	*. Respond
2. Says good bye	

LESSON PLAN I

Field of Study	: Language
Sub-field of Study	: English
Subject	: Vocabulary
Topic	: verbs, nouns and adjectives
Class	: IIIB (Control Group)
Time allocated	: 60 minutes

I. General Instructional Objectives

Students are able to understand the meaning of vocabularies being taught.

II. Specific Instructional Objectives

1. Students are able to guess the meaning of verbs and adjectives written on the board.
2. Students are able to memorize the meaning of words explained.
3. Students are able to match the words with the meanings correctly.
4. Students are able to do the vocabulary exercises given by the teacher

III. Time allocation

a.	Greeting	5'
b.	Writing the words on the board	5'
c.	Explaining and drilling the words taught	30'
d.	Finishing the exercise	20'
		60'

IV. Approach and Method

a. Approach : Translation

b. Method : Drilling and Communicative Approach

V. Teaching Material

Verbs	Nouns	Adjectives/ Colours
clap	chair	Black
dance	feet/ foot	Blue
fly	floor	brown
jump	grass	Green
know	hands	Pink
make	head	Red
nod	leg	Yellow
sit	moon	White
stand	sand	
shout	sea	
shake	sky	
sleep	sun	
swim	table	
tap	thunder	
wave	tree	

Evaluation :

- The teacher gives them list of words to be filled in.

Clap = ...	Chair = ...	*Black* = ...
Cry = ...	*Clouds* = ...	*Blue* = ...
dance = ...	*Bird* = ...	*Brown* = ...
Fly = ...	*Grass* = ...	*Green* = ...
Jump = ...	Head = ...	*Gray* = ...
Know = ...	*Moon* = ...	*Orange* = ...
Nod = ...	*Sea* = ...	Pink = ...
Run = ...	*Sky* = ...	*Red* = ...
Sit = ...	*Star* = ...	*Yellow* = ...
Stand = ...	*Sun* = ...	*White* = ...
Shake = ...	*Table* = ...	
Sleep = ...	*Thunder* = ...	
swim = ...	*Tree* = ...	
Wave = ...		

- The teacher asks the students to create minimal five sentences started with the words '*I don't know why*' using the words given.

Example :

I don't know why the sky is __blue__

I don't know why the ____sun___ is ___hot___

1. I don't know why the ..... is .....
2. I don't know why the ..... is .....
3. I don't know why the ..... is .....
4. I don't know why the ..... is .....
5. I don't know why the ..... is .....

VI. Teaching and Learning Activities

Teacher	Students
I. Pre Activities	
1. Greets the students	*. Respond the greeting
2. Asks the students "What is the color of the chalkboard? How many kinds of color do you know and what are they?	*. Answer the question.
3. Tells the students that the teacher has some more new vocabularies that they should learn.	
II. *Whilst Activities*	
1. Writes the vocabularies on the board.	
2. Asks the students to guess the meaning of vocabularies in the list	*. Pay attention to the teacher's explanations
3. Explains the meaning words.	
4. Asks the students to memorize the words being taught.	*. Do the teacher's instructions
IIII. *Post Activities*	
1. Asks the students to do the exercises given.	*. Respond
2. Says good bye	

LESSON PLAN II

Field of Study : Language
Sub-field of Study : English
Subject : Vocabulary
Topic : verbs, nouns and adjectives
Class : III-B (Control Group)
Time allocated : 60 minutes

I. General Instructional Objectives

Students are able to understand the meaning of vocabularies being taught.

II. Specific Instructional Objectives

1. Students are able to guess the meaning of verbs and adjectives written on the board.
2. Students are able to memorize the meaning of words explained.
3. Students are able to match the words with the meaning correctly.
4. Students are able to do the vocabulary exercises given by the teacher

III. Time allocation

a. Greeting 5'
b. Writing the words on the board 5'
c. Explaining and drilling the words taught 30'
d. Finishing the exercise 20'

60'

IV. Approach and Method

a. Approach : Translation
b. Method : Drilling and Communicative Approach

V. Teaching Material: verbs, nouns and adjectives

Verbs	Nouns	Adjectives
ask	bed	clean
blow	dining room	clever
go	kitchen	dirty
give	church	hungry
make	mosque	lazy
tell	rock	small
	school	sleepy
	sink	stupid
	sand	tired
	winds	thirsty

Evaluation:

- The teacher gives them list of words to be filled in.

Verbs	Nouns	Adjectives
Ask = ...	*Bed* = ...	*Clever* = ...
Drink = ...	*dining room* = ...	*Dirty* = ...
Eat = ...	*Fish* = ...	*Diligent* = ...
Blow = ...	*Kitchen* = ...	*Hungry* = ...
Go = ...	Rock = ...	*Lazy* = ...
Give = ...	*School* = ...	*Sleepy* = ...
Make = ...	*Sand* = ...	*Stupid* = ...
See = ...	*Wind* = ...	*Thirsty* = ...
Tell = ...		
Wash = ...		

- The teacher asks the students to complete the following lines with the words being taught

1. My mother ---------- me to buy her some sugar in the shop.
2. The color of the sky is ----------
3. The ships walk in the ----------
4. We usually make sandcastle on the ----------
5. Look! The ---------- are gray. It is going to rain.

VI. Teaching and Learning Activities

Teacher	Students
II. Pre Activities 1. Greets the students 2. Asks the students "What is the color of the chalkboard? How many kinds of color do you know and what are they? 3. Tells the students that the teacher has some more new vocabularies that they should learn	*. Respond the greeting *. Answer the question.
II. Whilst Activities 1. Writes the vocabularies on the board. 2. Asks the students to guess the meaning of vocabularies on the list	*. Pay attention to the teacher's

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3. Explains the meaning words. 4. Asks the students to memorize the words being taught. *IIII. Post Activities* 1. Asks the students to do the exercises given. 2. Says good bye	explanations *. Do the teacher's instructions *. Respond

LESSON PLAN III

Field of Study	: Language
Sub-field of Study	: English
Subject	: Vocabulary
Topic	: verbs, nouns and adjectives
Class	: IIIB (Control Group)
Time allocated	: 60 minutes

I. General Instructional Objectives

Students are able to understand the meaning of vocabularies being taught.

II. Specific Instructional Objectives

1. Students are able to guess the meaning of verbs, nouns and adjectives written on the board.
2. Students are able to memorize the meaning of words given.
3. Students are able to match the words with the meaning correctly.
4. Students are able to do the vocabulary exercises given by the teacher

III. Time allocation

a.	Greeting	5'
b.	Writing the words on the board	5'
c.	Explaining and drilling the words taught	30'
d.	Finishing the exercise	20'
		60'

IV. Approach and Method

a. Approach : Translation

b. Method : Drilling & Communicative approach

V. Teaching Material: Verbs and Adjectives

Verbs	Nouns	Adjectives
buy	brother	summer → hot
come again	daddy	winter → cold
go away	mama	autumn → hot
hop	sister	spring → warm
need	uncle	
play	pizza	
show	sandwich	
want	bread	
	cake	
	candy	
	office	
	shop	

Evaluation:

- The teacher gives them list of words to be filled in.

Verbs	Nouns	Adjectives
Buy = ...	Daddy = ...	*summer* → *hot* = ...
come again = ...	*Mama* = ...	*winter* → *cold* =....
go away = ...	*Pizza* = ...	autumn → *hot* = ...
Hop = ...	Sandwich = ...	spring → *warm* = ...
Need = ...	*Bread* = ...	

Love = ...	*Cake* = ...	
Play = ...	Candy = ...	
See = ...	*Shop* = ...	
Show = ...		
Want = ...		

- The teacher asks the students to complete the following lines with the words being taught.

1. Your father's brother is your ----------
2. Your mother's sister is your ----------
3. We usually ---------- sugar in the shop
4. The rabbits like to ----------
5. The ---------- are sweet. The children like them very much.

VI. Teaching and Learning Activities

Teacher	Students
I. Pre Activities	
1. Greets the students	*. Respond the greeting
2. Asks the students "What is the color of the chalkboard? How many kinds of color do you know and what are they?	*. Answer the question.
3. Tells the students that the teacher has some more new vocabularies that they should learn.	*. Pay attention to the teacher's explanations
II. Whilst Activities	

1. Writes the vocabularies on the board. 2. Asks the students to guess the meaning of vocabularies on the list 3. Explains the meaning words. 4. Asks the students to memorize the words being taught. IIII. Post Activities 1. Asks the students to do the exercises given. 2. Says good bye	*. Do the teacher's instructions *. Respond

EVALUATION

I. CHOOSE THE BEST ANSWER

1. I am a student. I always..... to school everyday.
   a. run c. go
   b. jump d. fly
2. Normally, we.... on the chair.
   a. sit c. sleep
   b. stand d. jump
3. Anita is a dancer. She likes to....
   a. nod c. play
   b. clap d. dance
4. If you are happy, you..... your hands.
   a. nod c. hop
   b. clap d. wash
5. It is 10.00 o'clock at night. Please, ...
   a. go to sleep c. go to drink
   b. go away d. go to eat
6. I always ..... 8 glasses of water every day.
   a. eat c. want
   b. drink d. make
7. Danny is very hungry. He wants to.....
   a. drink c. play
   b. eat d. study
8. .... are you ?. I am Tony
   a. why c. who
   b. what d. where
9. We can ..... the moon in the sky at night.
   a. see c. peep
   b. feel d. meet

10. What is this, mama? The children ..... to their mother.

a. cry
c. answer
b. nod
d. ask

11. Daddy, please .... us the story about Sinchan

a. tell
c. make
b. write
d. play

12. We don't .... you. Who are you?

a. tell
c. know
b. love
d. hate

13. The frogs like to.....

a. run
c. jump
b. walk
d. fly

14. My parents..... me very much. They never angry at me.

a. want
c. know
b. love
d. hate

15. Mama, I ..... a pizza. Please, mama buy me a pizza

a. eat
c. make
b. want
d. know

II. Fill in the blanks with the appropriate answer

bread	coca cola	morning	sun
grass	clouds	night	shop
birds	lamp	sky	who

1. I want to drink. Please, give me ....
2. Every day, the..... shines in the east and loses in the west.
3. We can see something at night because we have....
4. Look, there are many ..... in the sky. It will rain.
5. Clarita wants to eat. She will buy ....
6. We can buy pizza in a .....
7. ..... are you?. I am Mr. Fernando.
8. The clouds are in the .....
9. Cow likes to eat.....
10. 10.We can see the moon at....

III. Choose the Correct Answer

1. The sky is.....
   a. white
   b. gray
   c. blue
   d. green

2. The sea is....
   a. green
   b. blue
   c. white
   d. gray

3. The clouds are ....
   a. blue
   b. green
   c. white
   d. brown

4. The tree is ....
   a. green
   b. blue
   c. yellow
   d. brown

5. Summer is ...
   a. warm
   b. cold
   c. cool
   d. hot

6. Robert eats 2 plates of rice. He is very....
   a. sleepy
   b. hungry
   c. thirsty
   d. diligent

7. Mama, I want to drink. I am very....
   a. hungry
   b. dirty
   c. thirsty
   d. lazy

8. His body smells bad because he is very....
   a. dirty
   b. clever
   c. clean
   d. stupid

9. Look! your father is sleeping on the chair. He is very....
   a. thirsty
   b. sad
   c. busy
   d. sleepy

10. During the winter, we feel...
   a. hot
   b. cold
   c. warm
   d. happy

11. Our mothers usually cook in the .....

a. dining room c. kitchen

b. bedroom d. garden

12. We usually eat in the ....

a. class room c. kitchen

b. dining room d. bedroom

13. Hush, ... ! Don't bother me.

a. show off c. come again

b. blow away d. go away

14. Mom, I'm hungry. Please, ... me some pizza in the shop.

a. give c. eat

b. buy d. ask

15. Let's ..... football in the playground.

a. play c. buy

b. blow d. show

IV. Choose the best answer

bed	cake	candy
fish	mama	sand
sun	stars	table
trees	thunder	wind

1. It has 4 legs. We always sleep on it.
2. They are twinkling in the sky in the bright night.
3. People usually put birthday candles on it.
4. Children like to eat them. They are small but sweet.
5. We can only see it in the day. Its color is yellow.
6. We can not see it but we can feel it.
7. When it is raining we can hear its sounds like gun in the sky.
8. They are small and white. We can see them along the beach.
9. They are green and tall. Birds always make their house on them.
10. We usually call our mother using this word.

ANSWER KEY

I

1. c = go
2. a = sit
3. d = dance
4. b = clap
5. a = go to sleep
6. b = drink
7. b = eat
8. c = who
9. a = see
10. d = ask
11. a = tell
12. c = know
13. c= jump
14. b = love
15. b = want

II

1.coca-cola
2.sun
3.lamp
4.clouds
5.bread
6.shop
7.who
8.sky
9.grass
10.night

III

1. c = blue
2. b = blue
3. c = white
4. a = green
5. d = hot
6. b = hungry
7. c = thirsty
8. a = dirty
9. d = sleepy
10. b = cold
11. c = kitchen
12. b = dining room
13. d = go away
14. b = buy
15. a = play

IV

1. bed
2. stars
3. cake
4. candies
5. sun
6. wind
7. thunder
8. sand
9. trees
10. mama

Answer Sheet

Nama :

Class :

I

1.
2.
3.
4.
5.
6.
7.
8.
9.
10.
11.
12.
13.
14.
15.

II

1.
2.
3.
4.
5.
6.
7.
8.
9.
10.

III

1.
2.
3.
3.
4.
5.
6.
7.
8.
9.
10.
11.
12
13.
14.
15.

IV

1.
2.
3.
4.
5.
6.
7.
8.
9.
10.

Some examples of poem

1. Language item practice : action verbs and numbers

Sit one and two

Stand three and four

Clap one and two

Nod three and four

Remarks : other verbs and number can be used in place of the one showed

2. Language item practice : animate (nouns)

I see the moon

And the moon sees me

God bless the moon

And God bless me

Remarks : The word moon can be replaced by the other animate (nouns)

3. Vocabulary taught : Surrounding objects and colours

The grass is green

the sky is blue

love is blind

and I love you

4. Vocabulary taught : verbs and adjectives

Baby, baby, naughty baby

Hush you bother me, I say

Peace this moment, peace or may be

I will send you away

5. Vocabulary taught: nouns and adjectives.

I see the sea

The see is blue

She holds the balls

The balls are round

God bless me

And I love God

6. Vocabulary taught : verbs and adjectives

Go to bed ,Tom

Go to bed, Tom

Tired or not, Tom

Go to bed, Tom

Remarks : The word 'go to bed and tired can be replaced by the other verbs such as go to school, go to dining room, go to sink, and adjectives such as clever, stupid, hungry, thirsty clean, dirty, etc.

7.Vocabulary taught : nouns and family

Diddle, diddle dumpling my son John

Go to bed with his trousers on

One shoe off, and one shoe on

Diddle, diddle dumpling my son John

8. Vocabulary taught : nouns and verbs

Rain, rain go away

come again another day

little children want to play

rain, rain go to Spain

Never show your face again

9. Vocabulary taught : Nouns and colours

I don't know why the sky is blue
I don't know why the sun is round
do you ?
I don't know why the thunder makes a sound
I don't know why the clouds are white
do you ?

10. Vocabulary taught : verbs and nouns (animals)

Papa Bear, Papa Bear
What do you see
I see Mama Bear
Looking at me
Mama Bear, Mama Bear
What do you see
I see Baby bear
Looking at me

11. Vocabulary taught : Verbs, nouns and adjectives

Pussy Willows

Close your eyes
And do not peek
And I'll rub spring
Across your cheek
Smooth as satin
Soft and sleek
Close your eyes
And do not peek

12. Vocabulary taught : Nouns(part of body)and colours.

Chants

Mama, mama

I want a pizza

Please mama buy me a pizza

It's there mama

Near the shop

Buy me one and I will hop

13. Vocabulary taught : *Climate and Weather*

Summer is Hot

Summer is hot.

Winter is cold.

I had a birthday,

And I'm (nine) years old

14. Vocabulary taught : nouns and adjectives

Pease Porridge

Pease porridge hot

Pease porridge cold

Pease porridge in the pot

Nine days old

Some like it hot

Some like it cold

Some like it in the pot

Nine days old

15. Vocabulary taught : verbs, nouns, and adjectives

This is the Church

And this is the steeple.
Open the doors,
And see all the people.
Close the doors,
Where are the people?
Open the doors,
There go the people

16. Vocabulary taught: Verbs, nouns and adjectives

Every Time I Climb a Tree

When I climb a tree
I feel very free
The wind in my face
The world in its place
Yes, I feel so free
When I'm in my tree

17. Vocabulary taught : verbs, occupations and adjectives

People always say to me
What do you think you'd like to be
When you grow up?
And I say " Why "
I think I'd like to be the sky
Or be a plane or train or mouse
Or may be haunted house
Or something furry, rough and wild
Or maybe I will stay a child

18. Vocabulary taught : verbs and nouns

Who Am I?

Who Am I
The tress ask me
And the sky.
And the sea ask me
Who Am I?
The grass ask me
And the sand
And the rocks ask me
Who Am I?
The winds tell me
At nightfall
Someone small

Felice H. (114)

19. Vocabulary taught: verbs, nouns and adjectives

Recipe

Mix a pancake
Stir a pancake
Pop it in the pan.
Fry the pancake
Toss the pancake
Catch it if you can

Christina Rossetti

20. Vocabulary taught : nouns, verbs and adjectives

Mice

I think mice
Are rather nice
Their tails are long
Their faces small
They haven't any
skins at all
Their ears are pink
Their teeth are white,
They run about
the house at night
They nibble things
They shouldn't touch
And no one seems
To like them very much
But I think mice
Are nice

Rose fyleman

The following are some examples of poems made by the students of the experimental group when the writer carried out his research to them.

LUXMAN KLS IIIC

I don't know why?

I don't know,
Why the star is white
I don't know,
Why the moon is round
do you?

I don't know.
Why the beach is wide
I don't know,
Why the sun is yellow
do you?

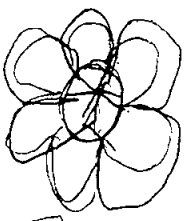
Name: vevе

Class: IIIA

Where do you go?

1 If you are stupid
I go to class ~~room~~ room

2 If you are Hungry or thirsty
I go to diningroom



3 If you are dirty
I go to Bathroom

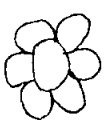
4 If you are sleepy
I go to Bedroom

5 If you wont to pray
I goto church

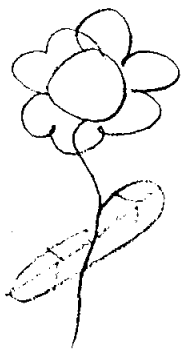
6 If you wont to play
I goto playground

7 If you wont to watch TV
I goto livingroom

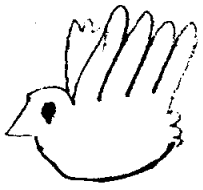
8 If you wont to cook
I go to kitchen



Pussy willows

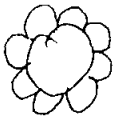


close your eyes
and do not peek
and I'll rub spring
across your cheek
smooth as satin
soft and sleek
close your eyes
and do not peek



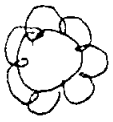
Poem II

Name: Dwi
Class: 3B.



I Dont know why
the Lamp is White.

I Dont know why
the Ball is Round.



I dont know why
the Table is Box

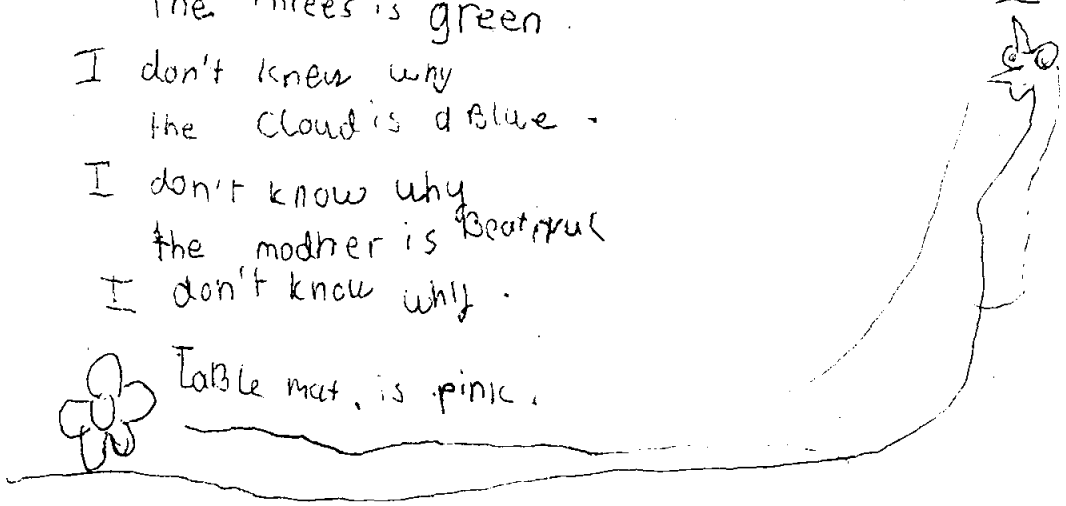
I dont know why
the Door is Box

Poem II

Name : Yusuf
Kelas : III B.

I don't knew why
the threes is green.
I don't knew why
the Cloud is d Blue.
I don't know why
the modher is Beatiful
I don't knew why.

Table mat, is pinic.



Christian 3a

go to school, mr bernard

: go to scool, mr bernard

Stupid or not

go to scool, mr bernard

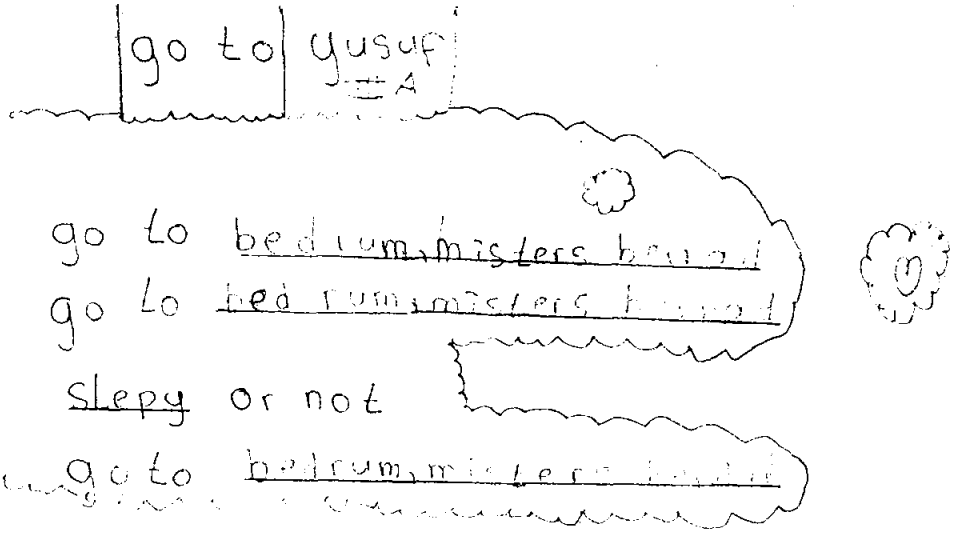
---

go to dining room, mr bernard

go to dining room, mr bernard

hungry or not

go to dining room, mr bernard



Poem II

Name = Danny
KLS = III

I don'T know wHy
Grass Is greenn

I don'T know wHy
Sea Is bLuE

I donT koow wHy
Sun Is YeLLow

I don7 know wHy
Rose Is Red

Name : Lauren
Kelas. III B.

I Don't know why
Sea is blue

I Don't know why
Trees is green

I Don't know why
Ocean is brown.

I Don't know why
Ship is red.

Go To ..... Nurlka

Go to bathroom, Tom
Go to bathroom, Tom

bathroom or not
Go to bathroom

Goodbay mister
Bernard

Nama = Cicilia
kelas = III B

GO TO

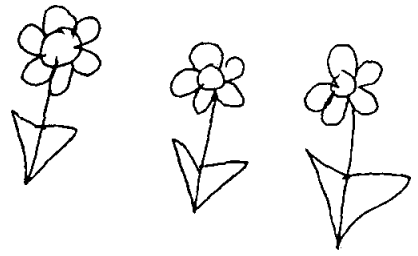
Go To dining room bobi
Go To dining room bobi

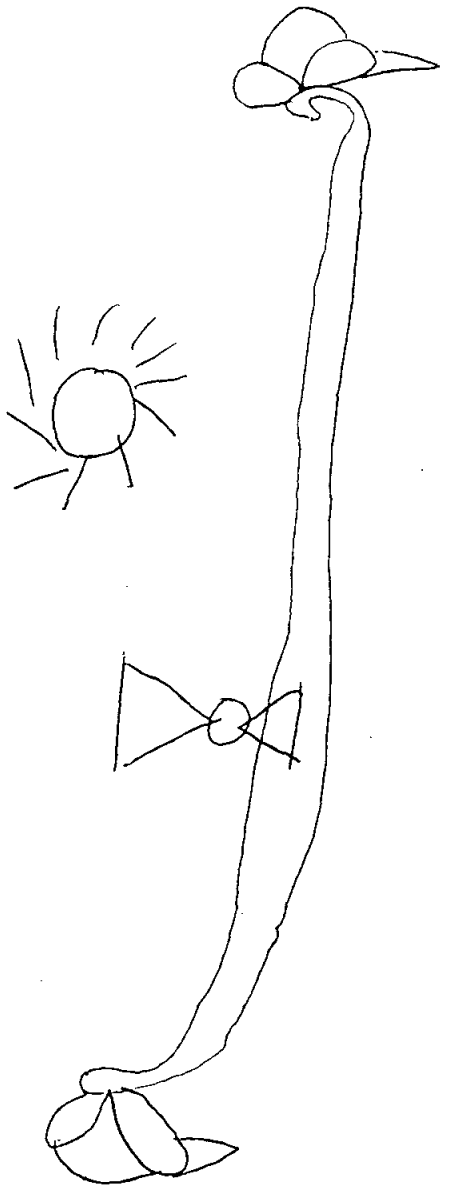
eat or not
Goto bobi

Poem I dari ika

Nama: josephin MARGARETHAIKA
KLS = III B (3B)
nomer

I dont know why
~~the sky~~ the water is white
I dont know why
the blackbour is black
I dont know why
the bird is brown
I dont know why
the table is read





D.A.V.I.D.S.J / III

14-5-

I don't Know why?

I don't Know,
why the sky is blue
I don't know,
why the sun is round.
do you?

I don't know, ~~why~~
why the thunder make a sound
I don't know,
why the cloud are white
do you?

I don't know why?

I don't know,
why my hands is two
I don't know,
why my hair is black
do you?

I don't know, why
my eyes is two
I don't know,
why ears is two
do you?

By: David.
Kelas: III

THE SCORE OF TRY OUT TEST

No.	Nama	Score
1	Gita	84
2	Darwin	78
3	Kewin	78
4	Albert	75
5	Dito	70
6	Jesika	70
7	Anmi	68
8	Armando	65
9	Marsella	65
10	Carolina	65
11	Priscilia	65
12	Leony	60
13	Shelania	60
14	Dohan	54
15	Aditya	52
16	Anma	48
17	Kevin	35
18	Ica	28

CALCULATION FOR RELIABILITY KR - 21

NO.	X	X^2	NO.	X	X^2
1	14	196	10	18	324
2	8	64	11	14	196
3	15	225	12	5	25
4	12	144	13	21	400
5	15	225	14	6	36
6	24	576	15	20	400
7	19	361	16	8	64
8	9	81	17	24	576
9	22	484	18	13	169
			TOTAL	267	4587
			n	18	
			mean	14,833	
			Variance	36,853	

$$M = \frac{\Sigma X}{n} = 14{,}833$$

$$V = \frac{n\Sigma X^2 - (\Sigma X)^2}{n(n-1)} = 36{,}853$$

$K = 30$

KR-21 FORMULA : 1)

$$r = \frac{K}{K-1}\left[1 - \frac{M(K-M)}{K.V}\right] = 0{,}82398$$

Where : r = Reliability n = Number of subjects

M = Mean V = Variance

K = Number of items r table = 0,468

Because r greater than r table, so the test is reliable.

CALCULATION FOR RELIABILITY KR - 21

NO.	X	X^2	NO.	X	X^2
1	7	49	10	10	100
2	4	16	11	8	64
3	9	81	12	3	9
4	6	36	13	11	121
5	9	81	14	3	9
6	14	196	15	11	121
7	10	100	16	4	16
8	5	25	17	15	225
9	13	169	18	6	36
			TOTAL	148	1549
			n	18	
			mean	8,222	
			Variance	13,948	

$$M = \frac{\Sigma X}{n} = 8{,}222$$

$$V = \frac{n\Sigma X^2 - (\Sigma X)^2}{n(n-1)} = 13{,}948$$

$K = 20$

KR-21 FORMULA : 1)

$$r = \frac{K}{K-1}\left[1 - \frac{M(K-M)}{K.V}\right] = 0{,}68722$$

Where : r = Reliability n = Number of subjects

M = Mean V = Variance

K = Number of items r table = 0,468

Because r greater than r table, so the test is reliable.

na	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
a	1	1	1	1	0	1	1	1	0	1	1	1	1	1	0	1	1	0	1	1	1	1	0	1	0	1	1	1	1	1	24
rwin	1	1	1	1	1	1	1	1	1	0	1	1	1	0	1	1	0	0	1	1	1	0	1	0	1	1	1	1	1	1	23
vin	1	1	1	1	0	1	0	1	0	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	0	0	1	1	1	0	22
ert	1	0	1	0	1	1	0	1	1	0	1	1	1	1	1	1	0	1	1	1	0	1	1	0	0	1	1	1	0	1	20
	1	1	1	1	1	0	1	1	0	0	1	1	1	1	0	1	0	1	0	0	1	0	0	1	1	1	0	1	0	1	20
ka	1	1	0	1	0	1	0	1	1	0	0	0	1	1	0	1	0	0	1	1	1	0	1	0	1	1	1	1	0	1	18
ni	1	0	1	0	1	1	0	1	0	0	1	1	0	1	1	0	1	1	0	0	0	1	1	0	0	1	1	1	1	0	17
ando	0	1	0	1	0	1	1	0	1	1	0	0	1	1	0	0	0	0	1	1	1	0	1	0	0	1	1	1	0	0	16
scila	1	1	1	0	1	0	1	0	0	0	1	1	0	1	0	1	0	0	1	1	0	0	0	1	0	0	0	1	0	1	14
olina	1	1	0	0	0	0	0	1	0	1	1	1	1	0	0	1	1	0	0	1	0	0	0	1	0	0	1	1	1	0	14
cilia	1	1	0	1	1	0	0	1	1	0	0	0	1	0	1	0	0	0	1	1	0	0	0	1	0	1	0	1	1	0	14
ay	1	0	1	0	0	1	0	1	0	0	0	1	0	1	0	0	0	1	1	0	1	0	0	0	1	1	1	1	0	0	13
nnia	1	0	1	0	0	0	0	0	0	0	1	0	1	1	0	1	0	0	1	1	0	0	0	0	1	0	1	1	1	0	12
an	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1	0	0	1	1	0	0	1	0	0	1	1	1	0	0	9
ya	1	0	0	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	1	8
a	1	0	0	0	1	0	0	1	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	1	0	0	0	1	0	0	8

CALCULATION OF DISKRIMANATION POWER AND DIFFICULTY INDEX

SUBJECT NUMBER		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL SCORE
	17	1	1	1	1	0	1	1	1	0	1	1	1	1	1	0	1	1	0	1	1	1	1	0	1	0	1	1	1	1	1	24
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U	9	1	1	1	1	0	1	0	1	0	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	0	0	1	1	1	0	22
P	13	1	0	1	0	1	1	0	1	1	0	1	1	1	1	1	1	0	1	1	1	0	1	1	0	0	1	1	1	0	1	21
P	15	1	1	1	1	1	0	1	1	0	0	1	1	1	1	0	1	0	1	0	0	1	0	0	1	1	1	0	1	1	1	20
E	7	1	1	0	1	0	1	0	1	1	0	0	0	1	1	0	1	0	0	1	1	1	0	1	1	1	1	1	1	0	1	19
R	10	1	0	1	0	1	1	0	1	0	0	1	1	0	1	1	0	1	1	0	0	0	1	1	1	0	1	1	1	1	0	18
	5	0	1	0	1	0	1	1	0	1	1	0	0	1	1	0	0	0	0	1	1	1	0	1	0	0	1	1	1	0	0	15
	3	1	1	1	0	1	0	1	0	0	0	1	1	0	1	0	1	0	0	1	1	0	0	0	1	0	0	0	1	1	1	15
CORRECT ANSWER (U)		8	7	7	6	5	7	5	7	4	3	7	7	7	8	4	6	3	3	7	7	6	4	6	6	3	7	7	9	6	6	
	11	1	1	0	0	0	0	0	1	0	1	1	1	1	0	0	1	1	0	0	1	0	0	0	1	0	0	1	1	1	0	14
	1	1	1	0	1	1	0	0	1	1	0	0	0	1	0	1	0	0	0	1	1	0	0	0	1	0	1	0	1	1	0	14
	18	1	0	1	0	0	1	0	1	0	0	0	1	0	1	0	0	0	1	1	0	1	0	0	0	1	1	1	1	0	0	13
L	4	1	0	1	0	0	0	0	0	0	0	1	0	1	1	0	1	0	0	1	1	0	0	0	0	1	0	1	1	1	0	12
O	8	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1	0	0	1	1	0	0	1	0	0	1	1	1	0	0	9
W	2	1	0	0	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	1	8
E	16	1	0	0	0	1	0	0	1	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	1	0	0	0	1	0	0	8
R	14	0	1	1	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	6
	12	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	5
CORRECT ANSWER (L)		6	3	3	1	2	4	0	5	1	1	4	4	5	3	2	3	1	1	5	6	2	0	1	3	2	5	5	7	3	1	
DP = (U - L)/N		0,22	0,44	0,44	0,56	0,33	0,33	0,56	0,22	0,33	0,22	0,33	0,33	0,22	0,56	0,22	0,33	0,22	0,22	0,22	0,11	0,44	0,44	0,56	0,33	0,11	0,22	0,22	0,22	0,33	0,56	
Interp		Sat.	Good	Good	Good	Sat.	Sat.	Good	Sat.	Sat.	Sat.	Sat	Sat	Sat	Good	Sat.	Sat.	Sat	Sat	Sat	Poor	Good	Good	Good	Sat.	Poor	Sat.	Sat.	Sat.	Sat.	Good	
CORRECTLY (C)		14	10	10	7	7	11	5	12	5	4	11	11	12	11	6	9	4	4	12	13	8	4	7	9	5	12	12	16	9	7	
DI = C/TOTAL		0,778	0,556	0,556	0,389	0,389	0,611	0,278	0,667	0,278	0,222	0,611	0,611	0,667	0,611	0,333	0,5	0,222	0,222	0,667	0,722	0,444	0,222	0,389	0,5	0,278	0,667	0,67	0,889	0,5	0,389	
Interp		Easy	Mod.	Mod.	Mod.	Mod.	Mod.	Dif.	Mod.	Dif.	Dif.	Mod.	Mod.	Mod.	Mod.	Mod.	Mod.	Dif.	Dif.	Mod.	Easy	Mod.	Dif.	Mod.	Mod.	Dif.	Mod.	Mod.	Easy	Mod.	Mod.	

Criterion of Descrimation Power

0,00 - 0,20 : Poor

0,20 - 0,40 : Satisfactory

0,40 - 0,70 : Good

0,70 - 1,00 : Pexcellent

Criterion of Difficulty Index

0,00 - 0,30 : Difficult

0,30 - 0,70 : Moderate

0,70 - 1,00 : Easy

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
	1	1	1	1	0	1	1	1	0	1	1	1	1	1	0	1	1	0	1	1	1	1	0	1	0	1	1	1	1	1	24
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	1	0	1	0	1	1	0	1	1	0	1	1	1	1	1	1	0	1	1	1	0	1	1	0	0	1	1	1	0	1	20
	1	1	1	1	1	0	1	1	0	0	1	1	1	1	0	1	0	1	0	0	1	0	0	1	1	1	0	1	0	1	20
	1	1	0	1	0	1	0	1	1	0	0	0	1	1	0	1	0	0	1	1	1	0	1	0	1	1	1	1	0	1	18
	1	0	1	0	1	1	0	1	0	0	1	1	0	1	1	0	1	1	0	0	0	1	1	0	0	1	1	1	1	0	17
	0	1	0	1	0	1	1	0	1	1	0	0	1	1	0	0	0	0	1	1	1	0	1	0	0	1	1	1	0	0	16
	1	1	1	0	1	0	1	0	0	0	1	1	0	1	0	1	0	0	1	1	0	0	0	1	0	0	0	1	0	1	14
	1	1	0	0	0	0	0	1	0	1	1	1	1	0	0	1	1	0	0	1	0	0	0	1	0	0	1	1	1	0	14
	1	1	0	1	1	0	0	1	1	0	0	0	1	0	1	0	0	0	1	1	0	0	0	1	0	1	0	1	1	0	14
	1	0	1	0	0	1	0	1	0	0	0	1	0	1	0	0	0	1	1	0	1	0	0	0	1	1	1	1	0	0	13
	1	0	1	0	0	0	0	0	0	0	1	0	1	1	0	1	0	0	1	1	0	0	0	0	1	0	1	1	1	0	12
	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	1	0	0	1	1	0	0	1	0	0	1	1	1	0	0	9
	1	0	0	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	1	8
	1	0	0	0	1	0	0	1	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	1	0	0	0	1	0	0	8

CALCULATION OF DISCRIMANATION POWER AND DIFFICULTY INDEX

SUBJECT NUMBER		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	TOTAL SCORE
	17	1	1	1	0	1	1	1	0	1	1	1	1	0	1	0	1	0	1	1	1	15
	6	1	0	1	1	0	0	1	1	1	1	0	1	1	0	1	0	1	1	1	1	14
U	9	1	0	1	0	1	1	0	1	1	1	0	1	0	1	1	1	0	1	1	0	13
P	13	0	1	1	0	0	1	1	0	1	0	1	0	1	0	1	0	1	1	0	1	11
P	15	1	1	1	0	1	1	1	0	0	1	0	0	1	0	1	1	0	0	1	0	11
E	7	1	0	0	1	0	0	1	1	1	0	1	1	0	1	0	0	0	1	0	1	10
R	10	0	1	1	0	1	0	1	1	0	0	0	0	1	0	1	0	1	1	0	1	10
	5	1	0	0	0	0	1	1	0	0	1	0	1	1	0	1	1	0	1	0	0	9
	3	1	1	0	1	1	0	0	0	0	0	1	0	0	1	0	1	0	1	1	0	9
CORRECT ANSWER (U)		7	5	6	3	5	5	7	4	5	5	4	5	5	4	6	5	3	8	5	5	
	11	1	0	1	0	0	1	1	0	1	0	0	1	0	1	0	0	0	0	0	1	8
	1	0	1	0	1	1	0	0	0	0	1	0	1	0	0	0	0	1	0	0	1	7
L	18	1	0	0	0	0	0	1	1	0	0	0	0	0	1	1	0	0	0	1	0	6
O	4	1	0	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0	1	6
W	8	0	0	1	0	0	0	1	1	0	0	0	1	0	0	0	1	0	0	0	0	5
E	2	0	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	1	4
R	16	1	0	0	0	0	0	1	0	0	0	0	0	1	0	1	0	0	0	0	0	4
	14	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	3
	12	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	1	0	0	3
CORRECT ANSWER (L)		4	1	3	1	1	3	6	2	1	2	0	4	2	3	3	1	1	2	2	4	
DP = (U - L)/N		0,333	0,444	0,333	0,222	0,444	0,222	0,111	0,222	0,444	0,333	0,444	0,111	0,333	0,111	0,333	0,444	0,222	0,667	0,333	0,111	
Interp.		Sat.	Good	Sat.	Sat.	Good	Sat.	Poor	Sat.	Good	Sat.	Good	Poor	Sat.	Poor	Sat.	Good	Sat.	Good	Sat.	Poor.	
CORRECTLY (C)		11	6	9	4	6	8	13	6	6	7	4	9	7	7	9	6	4	10	7	9	
DI = C/TOTAL		0,611	0,333	0,5	0,222	0,333	0,444	0,722	0,333	0,333	0,389	0,222	0,5	0,389	0,389	0,5	0,333	0,222	0,556	0,389	0,5	
Interp.		Mod.	Mod.	Mod.	Dif.	Mod.	Mod.	Easy	Mod.	Mod.	Mod.	Dif.	Mod.	Mod.	Mod.	Mod.	Mod.	Dif.	Mod.	Mod.	Mod.	

Criterion of Descrimation Power
0,00 - 0,20 : Poor
0,20 - 0,40 : Satisfactory
0,40 - 0,70 : Good
0,70 - 1,00 : Pexcellent

Criterion of Difficulty Index
0,00 - 0,30 : Difficult
0,30 - 0,70 : Moderate
0,70 - 1,00 : Easy

CALCULATION FOR TWO MEANS TEST OF PRE TEST

No.	X_A	X^2_A	X_B	X^2_B
1	80	6400	84	7056
2	80	6400	82	6724
3	78	6084	80	6400
4	78	6084	72	5184
5	70	4900	72	5184
6	64	4096	70	4900
7	64	4096	70	4900
8	60	3600	68	4624
9	60	3600	64	4096
10	56	3136	62	3844
11	56	3136	62	3844
12	54	2916	60	3600
13	54	2916	52	2704
14	48	2304	52	2704
15	48	2304	52	2704
16	48	2304	50	2500
17	46	2116	50	2500
18	44	1936	48	2304
19	42	1764	48	2304
20	42	1764	58	3364
21	40	1600	48	2304
22	38	1444	48	2304
23	38	1444	44	1936
24	38	1444	44	1936
25	36	1296	44	1936
26	36	1296	42	1764
27	36	1296	42	1764
28	34	1156	42	1764

29	34	1156	42	1764
30	34	1156	42	1764
31	32	1024	40	1600
32	32	1024	38	1444
33	32	1024	34	1156
34	30	900	32	1024
35	30	900	30	900
36	30	900	30	900
37	30	900	28	784
38	28	784	28	784
39	28	784	28	784
40	26	676	28	784
41	26	676	20	400
42	20	400	20	400
43	14	196	18	324
Total	1894	95332	2068	111960
n	43		43	
Mean	44.0465		48.093	
St-Dev	16.8381		17.2541	

T-Test

Group Statistics

	GROUP	N	Mean	Std. Deviation	Std. Error Mean
PRE TEST	GROUP A	43	44.0465	16.8381	2.5678
	GROUP B	43	48.0930	17.2541	2.6312

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
PRE TEST	Equal variances assumed	.000	.985	-1.101	84	.274	-4.0465	3.6765	-11.3577	3.2647
	Equal variances not assumed			-1.101	83.950	.274	-4.0465	3.6765	-11.3578	3.2647

TEST OF HYPOTHESIS

1. H_0 : mA = mB ; The mean score of group A is the same as the mean score of group B
2. H_1 : mA ≠ mB ; The mean score of group A is not the same as the mean score of group B
3. T-test, where df = nA + nB - 2 = 84

   t (0,025; 84) = 2,2823

   Calculation for t-observation (to)

   A. Experiment

$$\bar{x} = \frac{\sum x_i}{n} = 44{,}0465 \qquad ; n = 43$$

$$\text{St-Dev} = \frac{n\sum x_i^2 - \left(\sum x_i\right)^2}{n(n-1)} = 16{,}8381$$

   B. Control

$$\bar{x} = \frac{\sum x_i}{n} = 48{,}093 \qquad ; n = 43$$

$$\text{St-Dev} = \frac{n\sum x_i^2 - \left(\sum x_i\right)^2}{n(n-1)} = 17{,}2541$$

$$to = \frac{\bar{x}A - \bar{x}B}{\sqrt{\frac{(nA-1)s^2A + (nB-1)s^2B}{nA+nB-1} \times \left(\frac{1}{nA} + \frac{1}{nB}\right)}} = -1{,}101$$

Because to = -1,101 > - $t_{(0,025;\ 84)}$ so Ho is accepted. Hence, we conclude that there is no significant difference between the two groups.

CALCULATION FOR TWO MEANS TEST OF POST TEST

No.	X_A	X^2_A	X_B	X^2_B
1	96	9216	92	8464
2	94	8836	90	8100
3	94	8836	84	7056
4	90	8100	88	7744
5	86	7396	80	6400
6	88	7744	82	6724
7	88	7744	72	5184
8	86	7396	70	4900
9	86	7396	68	4624
10	68	4624	64	4096
11	74	5476	82	6724
12	76	5776	74	5476
13	64	4096	58	3364
14	76	5776	56	3136
15	68	4624	60	3600
16	66	4356	54	2916
17	70	4900	58	3364
18	64	4096	62	3844
19	64	4096	52	2704
20	58	3364	68	4624
21	64	4096	76	5776
22	60	3600	60	3600
23	62	3844	54	2916
24	58	3364	56	3136
25	56	3136	54	2916
26	66	4356	64	4096
27	52	2704	56	3136

28	58	3364	56	3136
29	64	4096	60	3600
30	64	4096	46	2116
31	48	2304	44	1936
32	62	3844	46	2116
33	46	2116	38	1444
34	48	2304	38	1444
35	60	3600	32	1024
36	50	2500	28	784
37	52	2704	38	1444
38	46	2116	40	1600
39	58	3364	38	1444
40	42	1764	28	784
41	52	2704	20	400
42	42	1764	28	784
43	34	1156	22	484
Total	2800	192744	2436	153160
n	43		43	
Mean	65,1163		56,6512	
St-Dev	15,7498		18,9973	

T-Test

Group Statistics

	GROUP	N	Mean	Std. Deviation	Std. Error Mean
POST TEST	GROUP A	43	65.1163	15.7498	2.4018
	GROUP B	43	56.6512	18.9973	2.8971

Independent Samples Test

		Levene's Test for Equality of Variances		t-test for Equality of Means						
									95% Confidence Interval of the Difference	
		F	Sig.	t	df	Sig. (2-tailed)	Mean Difference	Std. Error Difference	Lower	Upper
POST TEST	Equal variances assumed	1.368	.245	2.249	84	.027	8.4651	3.7632	.9816	15.9487
	Equal variances not assumed			2.249	81.211	.027	8.4651	3.7632	.9778	15.9524

TEST OF HYPOTHESIS

4. H_0 : mA = mB ; The mean score of group A is the same as the mean score of group B
5. H_1 : mA > mB ; The mean score of group A is greater than the mean score of group B
6. T-test, where df = nA + nB – 2 = 84

   t (0,05: 84) = 1,9886
7. Calculation for t-observation (to)

   A. Experiment

$$\bar{x} = \frac{\sum x_i}{n} = 65{,}1163 \qquad ; n = 43$$

$$\text{St-Dev} = \frac{n\sum x_i^2 - \left(\sum x_i\right)^2}{n(n-1)} = 15{,}7498$$

   B. Control

$$\bar{x} = \frac{\sum x_i}{n} = 56{,}6512 \qquad ; n = 43$$

$$\text{St-Dev} = \frac{n\sum x_i^2 - \left(\sum x_i\right)^2}{n(n-1)} = 18{,}9973$$

$$to = \frac{\bar{x}A - \bar{x}B}{\sqrt{\frac{(nA-1)s^2A + (nB-1)s^2B}{nA+nB-1} \times \left(\frac{1}{nA} + \frac{1}{nB}\right)}} = 2{,}249$$

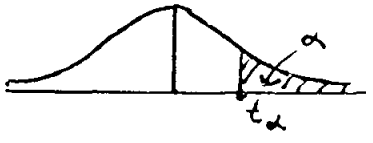
Because to = 2,249 > $t_{(0.05;\ 84)}$ so Ho is rejected. Hence, we conclude that the mean difference between the two groups is significant and that group A is greater than group B.

HARGA-HARGA : t_α

tk	t.100	t.050	t.025	t.010	t.005	tk
1	3.078	6.314	12.706	31.821	63.657	1
2	1.886	2.920	4.303	6.965	9.925	2
3	1.638	2.353	3.182	4.541	5.841	3
4	1.533	2.132	2.776	3.747	4.604	4
5	1.476	2.015	2.571	3.365	4.032	5
6	1.440	1.943	2.447	3.143	3.707	6
7	1.418	1.895	2.365	2.998	3.499	7
8	1.397	1.860	2.306	2.896	3.355	8
9	1.383	1.833	2.620	2.821	3.250	9
10	1.372	1.812	2.228	2.764	3.169	10
11	1.363	1.796	2.201	2.718	3.106	11
12	1.356	1.782	2.179	2.681	3.055	12
13	1.350	1.771	2.168	2.650	3.012	13
14	1.345	1.761	2.145	2.624	2.977	14
15	1.341	1.753	2.131	2.602	2.947	15
16	1.337	1.746	2.120	2.583	2.921	16
17	1.333	1.740	2.110	2.567	2.898	17
18	1.333	1.734	2.101	2.552	2.878	18
19	1.328	1.729	2.093	2.639	2.861	19
20	1.325	1.725	2.086	2.528	2.845	20
21	1.323	1.721	2.080	2.518	2.851	21
22	1.321	1.717	2.074	2.508	2.819	22
23	1.319	1.714	2.069	2.500	2.807	23
24	1.318	1.711	2.064	2.492	2.797	24
25	1.316	1.708	2.060	2.485	2.787	25
26	1.315	1.706	2.042	2.457	2.779	26
27	1.314	1.703	2.052	2.473	2.771	27
28	1.131	1.701	2.048	2.467	2.763	28
29	1.311	1.699	2.045	2.462	2.756	29
30	1.310	1.697	2.042	2.457	2.750	30
40	1.303	1.684	2.021	2.423	2.704	40
60	1.296	1.671	2.000	2.390	2.660	60
120	1.289	1.658	1.980	2.358	2.617	120
inf	1.382	1.645	1.960	2.326	2.576	inf

$t_{(5\%\ :\ 18)} = 1{,}729$

$t_{(1\%\ :\ 14)} = 2{,}624$



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