



000001

COLOMBO INTERNATIONAL NAUTICAL AND ENGINEERING COLLEGE

Diploma in Primary Teaching - LC 0839
Primary Mathematics

September 2015

Index No.....

Time 03 hrs**Total marks - 100****Pass mark - 50**

PART - I**Answer all the questions in part I**

[2 marks each, 2x10 = 20]

Select the most suitable answer and write the relevant letter [a],[b], [c] or [d] in front of the question number in the answer script.

- 1) A pupil is given a set of basic 2-D shapes made out of Bristol boards to be sorted. In how many different ways can the child sort them?
[a] one way [b] two ways [c] Three ways [d] four ways
- 2) The Primitive man kept a record of his herd of sheep by using a number concept Known as:-
[a] counting [b] ordering [c] one to one correspondence
- 3) We usually separate the bag of vegetables brought home according to the
[a] size [b] colour [c] shape [d] kind
- 4) The shape which has no corners, no straight edges is a:
[a] Circle [b] rectangle [c] Square [d] Triangle
- 5) A shape which has an infinite number of axes of bilateral symmetry is a :-
[a] kite [b] diamond [c] square [d] circle.
- 6) A poster depicting the Kandy Perahera can be used to develop the concept of :-
[a] neighbourhood [b] relationship [c] inclusion [d] invariance.

- 7) The teaching/learning aids that can be used to discover the addition and subtraction facts are :
- | | |
|------------------------------|--------------------------------------|
| [a] Folding perception cards | [b] Number line |
| [c] Table of addition facts | [d] all three of the above T/L aids. |
- 8) The experiences that are used in order to introduce the mathematical operations
- | | |
|---------------------------------|---------------------------------|
| [a] Abstract, Concrete, Visual | [b] Concrete ,Visual , Abstract |
| [c] Visual , Concrete, Abstract | [d] Concrete, Abstract, Visual |
- 9) The examples of improper fractions are :
- | | | | |
|---|---|---|---|
| [a] $\frac{1}{2}$, $\frac{1}{4}$, $\frac{4}{3}$ | [b] $\frac{3}{2}$, $\frac{5}{4}$, $\frac{5}{5}$ | [c] $\frac{6}{7}$. $\frac{1}{8}$, $\frac{4}{9}$ | [d] $\frac{1}{5}$, $\frac{1}{7}$. $\frac{1}{9}$ |
|---|---|---|---|
- 10) The place value of 7 in the number 4780 is:
- | | | | |
|-------|----------|---------|---------|
| [a] 7 | [b] 100. | [c] 700 | [d] 780 |
|-------|----------|---------|---------|

PART - II

Answer any four questions in PART II

[20 marks each, 4 x 20= 80]

- Describe the procedure used to introduce the addition of two digits whose sum is less than or equal to nine.
- If you have to introduce the two times multiplication table, explain the three Stages of experiences that you would adapt.
- What do you mean by the term 'Division'? How would you explain this to primary pupils? Draw visuals to show the pupils how the division by two is performed?
- Explain the sequence of the procedure of how you would introduce the writing Numerical symbols to primary pupils.
- Explain the way how the pupils would write the numerals from ten to nineteen.
[Using concrete materials (Drinking straws / Ekeles)]
- Describe the procedure used to introduce the four cardinal directions [N. S. E & W]
- Write a table of data suitable for a pictograph. Represent them in a bar graph. Prepare five questions to interpret the graph.



COLOMBO INTERNATIONAL NAUTICAL AND ENGINEERING COLLEGE

Diploma in Primary Teaching-LC- 0839

Primary Science and Environment Related Activities

August 2015

Index No.....

Time 03 hrs

Total marks -100

Pass mark - 50

PART - I

• *Answer the part I Questions in this paper itself and attach it to your answers for part II*

• **Underline the most suitable answer.**

1. Teaching,

- (i) is a job
- (ii) is a career
- (iii) is a profession
- (iv) is a service

2. Today teaching is,

- (i) Teaching centered
- (ii) Student centered
- (iii) School centered
- (iv) Society centered

3. The teaching processes should be,

- (i) Full of lectures and notices
- (ii) Full of discussions and group work
- (iii) Full of student activities and self learning situations
- (iv) Full of demonstrations and field trips

4. By classroom teaching we are going to impart,

- (i) Knowledge, skills Attitudes and Practice
- (ii) Knowledge, Attitudes, qualities and Practice
- (iii) Skills, Attitudes, abilities and qualities
- (iv) Attitudes, Practice, Abilities and wants

5. The proper teaching methods should give the students the ability to,

- (i) Read books and find solutions

- (ii) Use the scientific problem solving method
 - (iii) Read the notices well and answer questions
 - (iv) Use the equipment in the proper way
6. A “nature corner” will help the,
- (i) Students to engage in self learning situations
 - (ii) Students to engage in group activities
 - (iii) Students to show their talents properly
 - (iv) Students to have an interesting leisure time
7. The activities in a proper lesson should,
- (i) Satisfy all the students interest
 - (ii) Satisfy the requirements of the objectives
 - (iii) Be in accordance with the code of ethics
 - (iv) Be in accordance with the needs of the environments
8. “ERA” is,
- (i) A science subject
 - (ii) An integrated subject
 - (iii) A theoretical subject
 - (iv) A historical subject
9. The animals and plants are made up of,
- (i) Chemicals
 - (ii) Organs
 - (iii) Cells
 - (iv) Parts
10. Statement A
Things that occupy space are called matter.
- Statement B
All types of energy does not occupy space,
- (i) Statement A is correct B is in correct
 - (ii) Statement B is in correct B is correct
 - (iii) Both Statement A and B is in correct
 - (iv) Both stale
11. Which of the following group of foods will protect your eyes from deficiencies
- (i) Oranges, Tomato, Nelli, lime



- (ii) Brown rice, kurakkan, marmite, Butter
- (iii) Carrots, egg yolk, ripe mangoes, cod liver oil
- (iv) Meat, cod liver, oil, oranges, nelli

12. Which of the following methods is suitable to purify water at low cost,

- (i) Boil and filter
- (ii) Add chlorine
- (iii) Filter through charcoal
- (iv) Boil, cool and filter

13. The correct international unit for measuring power.

- (i) Newton
- (ii) Joule
- (iii) Watt
- (iv) Chsm

14. Statement A: School children should not be allowed to play in any play ground during lighting and thunder

Statement B: There is a possibility of thunder striking children.

- (i) Statement A correct B incorrect
- (ii) Statement A incorrect B correct
- (iii) Both A and B correct
- (iv) Both A and B incorrect

15. Some students faint during college hours. The best first aid you should give,

- (i) Is to give water to drink
- (ii) Is to give glucose to drink
- (iii) Keep the head in a lower position than legs
- (iv) Is to give him a nutritive meal

16. The voltage of a torch cell and a car battery respectively,

- (i) 1.5 V and 12V
- (ii) 1.5 and 6 V
- (iii) 3 V and 12V
- (iv) 2V and 6 V

17. Which of the following activities should be more in a good lesson,
- (i) Lectures
 - (ii) giving
 - (iii) student activities
 - (iv) Teacher activities
18. Primary science or Environment related activities,
- (i) Is compulsory in the primary school
 - (ii) Is optional in the primary school
 - (iii) Can be selected according the teachers wish
 - (iv) Is taught in national schools only.
19. "Field trips"
- (i) Are dangerous and primary children should not be taken.
 - (ii) Are essential and primary children should go with due precautions
 - (iii) Are useful only for secondary science students
 - (iv) Are useful only for students doing research.
20. As a teacher ,
- (i) You must be very strict to students
 - (ii) You should punish students whenever possible
 - (iii) You must look after the students kindly and orderly
 - (iv) You must give full freedom to students to do as they like

(40 marks)

PART - II

Note: The 1st Question is compulsory. Answer Question 1 and 4 of the others.

01. Write a Lesson plan for a 35 minute lesson, grade 5 for any one of the following objectives.

Your Lesson plan should include introduction, student activities, Teacher activities, and evaluations

Objective I

“The students will identify the parts of a dicot. Plant”

Or

Objective II

“The students will demonstrate 04 devices; used as simple (you should write only about one objective”)

(40 marks)

02. (a) What are “Co-curricular activities”
 (b) Name 04 Co- curricular activities that you can use in the teaching of primary sciences and ERA.
 (c) Describe in detail how you engage 02 of the co- curricular activities (you mentioned) for the teaching of Primary Science or ERA.

(30 marks)

03. (a) State 04 aims of Teaching Primary Science and ERA.
 (b) State the steps in the scientific method
 (c) Describe how you can use the steps in the scientific method, to teach Primary science and ERA

04. (a) Name the main Systems in our body
 (b) What do you think is the most important system?
 (c) Why do you consider it as the most important system?
 (d) What is digestion? Explain with 3 Examples.
 (e) What are the functions of the Blood vascular systems?

(30 marks)

05. Imagine that you are taking the Grade 03 Students to the zoo. Prepare a self – study work sheet to study about Birds, Fishes, and mammals (grade 03 students need only a basic knowledge about these animals)

06. (a) Why are we teaching classifications (give 3 reasons)

(b) What are the main differences between Dicot Plants and Monocot Plants?

(30 marks)



COLOMBO INTERNATIONAL NAUTICAL AND ENGINEERING COLLEGE

Diploma in Primary Teaching-LC- 0839

Child Psychology

August 2015

Index No.....

Time 02 hrs

Total marks -100

Pass mark -50

Answer **all** questions in **part A** and **three** questions in **part B**

Part -A

1. Give a definition for psychology.
2. Name **two** branches of psychology.
3. Write **two** cognitive processes.
4. Name **two** perspectives of psychology.
5. What are the **two** factors that determine growth and development of children?
6. Mention **two** disadvantages of longitudinal study.
7. Write **two** activities related to gross -motor development.
8. What are the stages of pre -natal development?
9. Name **two** reflex actions that can be seen during infancy.
10. Define heredity.
11. Write **two** environmental factors that affect pre-natal development.
12. What are the **two** components of adaptation according to Piaget?
13. Write **two** advantages of studying child psychology to the teacher.
14. Name **two** characteristics of pre -conceptual stage.
15. Define reinforcement.
16. Name **two** learning disabilities.
17. Give a definition for learning.
18. Write **two** techniques to improve memory.
19. Name **two** theories of forgetting.
20. Give a definition for motivation.

(2X20 = 40 marks)

Part – B

Answer **three** questions only

- (1) a. Explain how observation could be used as a method of child study. (08 marks)
b. Indicate **two** disadvantages of such use and describe **two** measures adapted to overcome these disadvantages. (12 marks)
 - (2) a. Define what child development is. (08 marks)
b. Briefly explain **three** developmental areas of children. (12 marks)
 - (3) a. Describe briefly Thorndike's laws of learning. (08 marks)
b. Explain how two of them could be applied for learning – teaching process. (12 marks)
 - (4) a. How do you define memory? (08 marks)
b. Explain Atkinson - Schifrin model of information processing (memory). (12 marks)
 - (5) a. Distinguish between extrinsic motivation and intrinsic motivation. (08 marks)
b. Explain briefly **three** procedures to motivate students to learn. (12 marks)
-



COLOMBO INTERNATIONAL NAUTICAL AND ENGINEERING COLLEGE

Diploma in Primary Teaching-LC- 0839**Child Psychology**

January 2015

Index No.....

Time 03 hrs

Total marks -100

Pass mark -50

Answer **all** questions in **part A** and **three** questions in **part B****Part –A**

1. Give a definition for psychology.
2. Name **two** branches of psychology.
3. Write **two** cognitive processes.
4. Name **two** perspectives of psychology.
5. What are the **two** factors that determine growth and development of children?
6. Mention **two disadvantages** of longitudinal study.
7. Write **two** activities related to gross –motor development.
8. What are the stages of pre –natal development?
9. Name **two** reflex actions that can be seen during infancy.
10. Define heredity.
11. Write **two** environmental factors that affect pre-natal development.
12. What are the **two** components of adaptation according to Piaget?
13. Write **two** advantages of studying child psychology to the teacher.
14. Name **two** characteristics of pre –conceptual stage.
15. Define reinforcement.
16. Name **two** learning disabilities.
17. Give a definition for learning.
18. Write **two** techniques to improve memory.
19. Name **two** theories of forgetting.
20. Give a definition for motivation.

(2X20 = 40 marks)

Part – B

Answer **three** questions only

- (1) a. Explain how observation could be used as a method of child study. (08 marks)
b. Indicate **two** disadvantages of such use and describe **two** measures adapted to overcome these disadvantages. (12 marks)
- (2) a. Define what child development is. (08 marks)
b. Briefly explain **three** developmental areas of children. (12 marks)
- (3) a. Describe briefly Thorndike's laws of learning. (08 marks)
b. Explain how two of them could be applied for learning – teaching process. (12 marks)
- (4) a. How do you define memory? (08 marks)
b. Explain Atkinson - Sheffrin model of information processing (memory). (12 marks)
- (5) a. Distinguish between extrinsic motivation and intrinsic motivation. (08 marks)
b. Explain briefly **three** procedures to motivate students to learn. (12 marks)



INTERNATIONAL NAUTICAL AND ENGINEERING COLLEGE

Diploma in Primary Teaching-LC- 0839
School Guidance and Counselling

January 2015

Answer all questions
Time 3 hrsIndex No.....
Total marks -100
Pass mark -50

Answer any of the five questions

There must be a counsellor for every school

1. I. What do you mean by the above expression? (Marks 03)
II. Define the term Guidance and Counselling and what is not counselling (Marks 04)
III. Name and briefly explain core conditions of Counselling. (Marks 08)
IV. List out and briefly explain the purposes of counselling (Marks 05)
2. Most of the schools face disciplinary problems in the modern school context
I. identifies five disciplinary problems in the school context. (Marks 05)
II. Identify the factors affected to the above problems as a counsellor (Marks 07)
III. As a counsellor what do you suggest to overcome above disciplinary problems? Explain (Marks 08)
3. I. Briefly explain Freudian theory on Id ,Ego, and superego ,conscious ,precocious and unconscious mind (Marks 10)
II. Explain how you use Free Association method for solving mental problems (Marks 10)
4. Dr. Carl Roger introduced Person centered counselling
I what do you mean by person centered counselling. Explain (Marks 10)
II. Explain why person centered method is more important than other method. (Marks 10)

5. Saman Studied very hard for the examination, now he feels to postpone the examination and sit for the next year examination and he says “,I am the most unfortunate person and I feel uncomfortable and committed suicide etc .

I. As a school counselor how do you counsel Saman? (Marks 20)

6. Some people practices giving instructions, is as counseling but giving instruction, solving each and every problems of the client is not counselling comments.

I List out the stages of 5D model for counselling (Marks 05)

II. Explain the activities in each stage (Marks 15)

7. List out problems faced by senior secondary school students. (Marks 05)

II .How do you identify these problems as a school counselor?. Explain (Marks 06)

III. Explain, how do you interfere as a school counsellor to solve the above problems? (Marks 09)

8. Write brief notes on four the followings:

I. Role of the school counsellor

II. SOLER

III. Libidos and Thanatos

IV. Counselling Process 5D Model

V. Empathy (Marks 20)



COLOMBO INTERNATIONAL NAUTICAL AND ENGINEERING COLLEGE

Diploma in Primary Teaching LC- 0839

Educational Measurement & Evaluation

December 2014

Index No.....

Time 03 hrs

Total marks -100
Pass mark -50

Part 1

Answer All Questions

- Select your answer for each question (1-20) and encircle the relevant letter A, B, C, or D,
- At the end of the test return the Part 1 sheet with the Part II answer script.

1. What is 'assessment'? Select the best definition.

- A. Obtaining a numerical description of the degree to which an student possesses a particular characteristic
- B. An instrument or a systematic procedure used to measure a sample of behavior
- C. A procedure used by schools for grading and selecting students for higher studies
- D. Systematic collection, review and use of information for the purpose of improving learning and development

2. What is the most important purpose of formative type classroom assessment?

- A. Improve quality of learning
- B. Make decisions for grading
- C. Provide feedback to teachers
- D. Place students in different ability groups

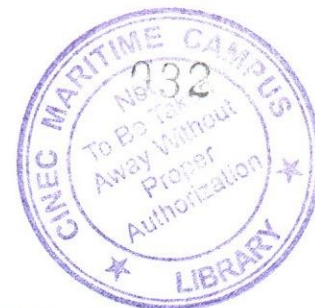
3. Ajantha, an English teacher of the Grade 4, observes that some of her pupils have difficulties in reading. She wants to know whether these difficulties are due to their inadequate knowledge of vocabulary or to any other reason. Which of the following types of tests is most suitable for her observation?

- A. A placement test
- B. A diagnostic test
- C. A selection test
- D. A summative type test conducted at the end of the final term

4. Which of the following is an example for 'norm-referenced interpretation' of test results?

- A. If a student cannot obtain 50 percent of marks at the final exam s/hewill not be able to pass the exam

- B. Top 10 percent of the candidates who obtained marks for the selection test will be called for the interview
- C. All who have obtained at least 'B' passes will be selected to follow the course.
- D. No one will be permitted to sit for the final exam if s/he cannot complete 80 percent of class attendance.
5. According to the Bloom's classification, Physical skills that can be developed through education are categorized under the
- A. cognitive domain B. affective domain C. psycho-motor domain
- D- emotional domain
6. According to the 'Bloom's Taxonomy of Educational Objectives' the meaning of the term 'Knowledge' is limited to the ability of
- A. remembering and recalling previously learned material
- B. explaining facts with examples
- C. solving problems in new situations
- D. breaking material into parts and determining the relationship
7. Loris Anderson has revised the Bloom's Taxonomy of Educational Objectives. Which of the following statements is **incorrect** according to the Anderson's classification?
- A. Instead of 'Knowledge' Anderson used the word 'Remembering'
- B. As it is in the Bloom's taxonomy Anderson's Taxonomy also consists of six ability levels
- C. The highest ability level is 'Evaluation' according to the Anderson's Taxonomy
- D. 'Creating' is the highest ability level according to the Anderson's Taxonomy -
8. Which of the following is an example for 'Creating' under the revised Bloom's classification of educational objectives
- A. Recites a poem by heart.
- B. Name the capital city of Malaysia
- C. Multiply a four figure number by six
- D. Compose a new story on the proverb "People who live in glass houses should not throw stones."
9. Which one of the following learning outcomes is **most difficult** to assess through multiple choice type questions?
- A. Name the capital city of Indonesia
- B. Select suitable opposite words for the given nouns.
- C. Identify the main cause for the environmental pollution in urban areas
- D. Write an essay on 'Sinhalese and Hindu New year customs'
10. Prizes will be awarded to students who have come to the positions 1st, 2nd, and 3rd in the class. Ranking students in this manner can be categorized under the
- A. Nominal scale B. Ordinal scale C. Interval scale D. Ratio scale



11. Preparation of a 'Table of Specifications' is important to secure the
- A. Face validity of a test
 - B. Content validity of a test
 - C. Predictive validity of a test
 - D. Reliability of a test
12. There are two types of test items; selection type and the supply type. Which of the following comes under the selection type?
- A. Multiple choice
 - B. True-false
 - C. Matching
 - D. Short answer questions
13. Which of the following is **not a requirement** when preparing and arranging items in a Multiple Choice question paper?
- A. The first few items of the MC paper should be easier than the others
 - B. The stem of the item should include a single problem
 - C. Avoid having part of an item on one page and the rest of the item on another page
 - D. Vary the position of the correct answer in a random manner

14. Read the following test item

Which of the following subjects in the school curriculum is considered as most important?

- I. Mathematics
- II. Science
- III. Mother Language
- IV. English

What is the **main defect** of this test item?

- A. All answers are distractors
- B. It is too difficult
- C. There is no definite correct answer
- D. Stem of the item does not include a problem

Marks obtained by 11 students are as follows: 15, 23, 82, 53, 45, 40, 36, 30, 60, 72, 94

15. What is the **Median Score** of the above 11 scores?

- A. 40
- B. 45
- C. 50
- D. 53

16. What is the **Arithmetic Mean** of the above set of scores?

- A. 40
- B. 45
- C. 50
- D. 53

- B.
- C.

17. 'If the third term/year-end test paper does not include questions from the topics taught in the first and second term one can say that the -----validity of the test paper is low'.

The suitable word for the blank space is

- A. Face B. Predictive C. Content D. Criterion-related

Read the data given in the box and answer the two questions below

Subject: Economics	No. of candidates: 10,000
Mean value of scores: 48	Standard Deviation of scores: 16

18. Nilantha, one of the candidates, obtained 72 marks for Economics. Accordingly, the **Z score** for Economics he gets is

- A. - 1.5(minus 1.5) B. -1.0 (minus 1.0) C. 0.5 D. 1.5

19. Nipuni came to know that her**Z score** for Economics is 0.5. What is the **Raw Score** obtained by her for Economics?

- A. 40 B. 56 C. 64 D. 72

20. "----- is a statistical measure that shows the relationship between two sets of scores". The correct word to fill the blank space of the above sentence is

- A. standard deviation B. arithmetic mean C. mode D. correlation coefficient

Part II

Answer 5 questions

21.

- A. What are the four language skills?
B. How do you assess English language skills of primary students? State one method to assess for each of the four language skills.

22. Explain how assessment is useful to (A) Students, (B) Teachers

23. An item given in a General Knowledge test paper is as follows.

Kathmandu is the capital city of	
I.	Nepal
II.	Bhutan
III.	Vietnam
IV.	Sri Lanka

Item analysis data of the above item is given in the following table

Students	Responses for Alternatives				
	1*	2	3	4	Omits
Upper Group (25)	17	5	3	0	-
Lower Group (25)	13	6	4	0	2
Total	30	11	7	0	2

*Correct option

A. What is the Facility Index of this item? (Facility Index: $FI = R/T$)

U = Upper Group, L = Lower Group

R = The number of pupils who got the item right

T = U + L)

B. What are the weaknesses of this test item? Comment.

C. Revise the item and rewrite it in a better way.

24. Study the following Frequency Distribution of English languagescores of 50 students.

Frequency Distribution Math Scores of 50 Students

CI (Class intervals)	f (Frequency)	d Deviations	fd
90-99	2	4	8
80-89	6	3	18
70-79	7	2	14
60-69	9	1	9
50-59	10	0	0
40-49	8	-1	-8
30-39	5	-2	-10
20-29	2	-3	-6
10-19	1	-4	-4
	n=50		$\Sigma fd = 21$

Find the mean of the above 50 math scores. Use the following formula.

Formula: $A + i (\Sigma fd / n)$

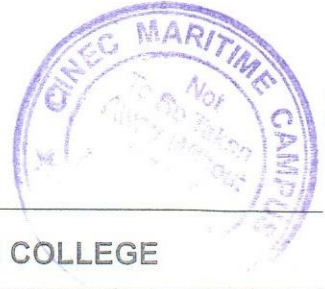
A = Midpoint of the assumed class interval

i = Width of a class interval

Σfd = Sum of the fd column

n = total number of students

25. What are the assessment tools that can be used in 'school based assessment'? Mention four assessment tools other than written tests. Give examples for each.
26. A. What are the factors affecting reliability of assessment scores?
B. Give three suggestions to enhance reliability of marking essay type answers



COLOMBO INTERNATIONAL NAUTICAL AND ENGINEERING COLLEGE

Diploma in Primary Teaching-LC- 0839
Final examination
Primary Science

December 2014

Index No.....

Time 03 hrs

Total marks -100

Pass mark -50

PART - I

Underline the most correct answer. Attach the answered Part I with your answers for Part II.

- 01) Today the teaching is,
(i) Teacher centered
(ii) Student centered
(iii) Society centered
(iv) Psychology centered
- 02) Which is correct about a mixture of water and coconut oil,
(i) Water will float on coconut oil
(ii) Coconut oil will float on water
(iii) Coconut oil will dissolve in water
(iv) The mixture will get heated
- 03) Which of the following vitamins is necessary for good eye sight,
(i) Vitamin A
(ii) Vitamin B
(iii) Vitamin C
(iv) Vitamin D
- 04) The sources of electricity are ,
(i) Water and sunlight
(ii) Cells and Dynamos
(iii) Sunlight and wind
(iv) Heat and light

- 05) The international unit of measuring force is ,
- (i) Watt
 - (ii) Newton
 - (iii) Joule
 - (iv) Kilogram
- 06) All insects have,
- (i) Three legs
 - (ii) Four legs
 - (iii) Five legs
 - (iv) Six legs
- 07) Amphibians live,
- (i) On land
 - (ii) In water
 - (iii) In air
 - (iv) On land and in water
- 08) "Transpiration"
- (i) Is loss excess water in a plant through leaves
 - (ii) Is loss of water in a plant
 - (iii) Is absorption of water through root hairs
 - (iv) Is the absorption of minerals through roots
- 09) Rocks undergo weathering due to,
- (i) Heat
 - (ii) Cold
 - (iii) Action of water
 - (iv) All the above
- 10) Our national bird is,
- (i) Peacock
 - (ii) Parrot
 - (iii) Jungle Fowl
 - (iv) Pigeon
- 11) The lessons should be planned,
- (i) According to the nature of students,
 - (ii) To achieve the objective
 - (iii) To make children silent
 - (iv) To make children to do self –studies



- 12) The best and the cheapest way to purify water
- Is to filter
 - Is to add chlorine
 - Is to boil and filter
 - Is to boil, cool and filter
- 13) You can see the lightening before thunder because,
- light travels faster than sound
 - sound travels faster than light
 - eye can get the feel before the ear
 - Lighting and thunder occur at different places
- 14) The flower is produced in plant for,
- Reproduction
 - Beautify
 - Respiration
 - Protection
- 15) Which of the following plants have an underground stem,
- Ginger
 - Onion
 - Potato
 - All of the above
- 16) The co curricular activity you should have in every primary classroom is the,
- Projector
 - Nature corner
 - Bulletin Board
 - Herbarium
- 17) The teachers should write lesson plans,
- Daily
 - Weekly
 - Once a Term
 - Once a year
- 18) To help in the self-assessment of lessons every lesson should have,
- An objective
 - An evaluation
 - A presentation
 - An introduction

19) Dicot Plants have flowers with,

- (i) 3 petals
- (ii) 5 petals
- (iii) 5 petals or multiple of 5
- (iv) 3 petals or multiple of 3

20) A good teacher should,

- (i) Punish students wherever possible
- (ii) Give home work, daily
- (iii) Look after the children kindly and positively
- (iv) Should not listen to the questions asked by students

**PART - II**

December 2014

Note: Answer all the questions

01. Planning is an important factor in teaching. Write a lesson note including competency or objective, Introduction, Presentation (Development) and evaluation for the following competency, *grade 5. 35 minutes. Competency* "The students will identify the parts of a flower"
(40 Marks)
02. It is necessary to introduce "simple machines" to grade 04. Explain how you will teach about 04 devises that are simple machines.
(30 Marks)
03. What are the aims of teaching primary science?
(i) Explain the steps of the scientific way of solving problems
(ii) How will you use the scientific method in teaching primary science?
(30 Marks)
04. (a) Plants can be divided as monocots and Dicots. Write 05 differences between monocots and dicots
(b) Classify the following animals according to a dichotomous key using only external features.
crow, snail, earthworm, ant garden lizard, frog
(30 Marks)
05. (a) What are co-curricular activities
(b) Mention 05 co-curricular activities suitable for primary science
(c) Explain how you make use 02 of them for making your teaching interesting to Students.
(30 Marks)

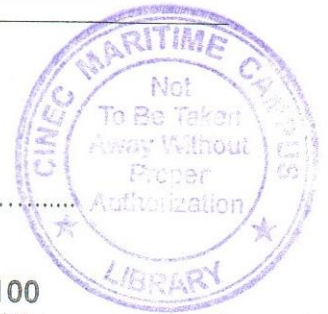


COLOMBO INTERNATIONAL NAUTICAL AND ENGINEERING COLLEGE

Diploma in Primary Teaching-LC- 0839
Principles of Education

December 2014

Index No.....



Time 03 hrs

Total marks -100

Pass mark -50

Answer 5 questions**01.** Modern education is based on philosophical foundation

- (i) What do you mean by philosophy? (Marks 03)
- (ii) What are the etymological meanings for Education in Latin and Sanskrit? (Marks 03)
- (iii) Briefly discuss the aims, objectives and functions of Education. (Marks 07)
- (iv). Explain with examples the relationship between philosophy and Education. (Marks 07)

02. Briefly explain on Plato's Philosophical contribution to education covering the following areas:

- (i) Educational background, Academy, epistemology, metaphysics and ontology and Platonic (Marks 10)
- (ii) Plato wanted to develop an education system to mould a patriotic (State friendly) citizen explain with examples (Marks 10)

03. John Dewey is known as the father of Democratic education.

- (i) what was his perception on the existing education system? (Marks 05)
- (ii) What is John Dewey's philosophy on education explain covering the following areas:
Knowledge, Democratic education, experiential education and learning by doing. (Marks 15)

04. (i) Dr. Maria Montessori wanted to make a big change in the existing education system at the time .Do you agree? If so comment. (Marks 04)

(ii) What is the philosophy of Maria Montessori on education /learning? Explain covering the following areas: creativity, sensory education, lie and mistake, belief and knowledge.

(Marks 08)

(iii) How do you apply Maria Montessori's philosophy for primary education? Explain with examples?

(Marks 08)

05. Education systems are divided based on legal procedure as: Formal, non formal and informal education.

(i) List out the characteristics of formal education, non-formal education and informal education systems. (Marks 08)

(ii) Briefly discuss the characteristics Formal Education with examples (Marks 06)

(iii) Elementary education and secondary education should be formal education but tertiary education to be non-formal comments (Marks 06)

06. (i) Mahathma Gandhi criticized the British education system in India and proposed education model (Eclectic model) considering relevancy to the philosophy of education and Indian society. Cement (Marks 10)

(ii) Describe the electrical Model and its relevancy with the Indian society (Marks 10)

07. Write brief notes on 04 of the following

(i) Socrates

(ii) Platonic system and Scholl age

(iii) Lifelong education/continuous education

(iv) Teacher centered education

(v) Child centered education

(Marks 20)