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FINAL EXAMINATION QUESTION PAPER

CODE - QP

Approved for Quality Management System

EDUCATION & TRAINING COURSE: DIPLOMA IN TEACHING ENGLISH LANGUAGE & LITERATURE
DIPLOMA IN PRIMARY TEACHING
DIPLOMA IN TEACHING MATHEMATICS AND SCIENCE

COURSE CODE: LC - 0838/839/844
SUBJECT: CLASSROOM MANAGEMENT

Faculty	Department / Section / Division
Humanities and Education	Education

<i>INSTRUCTIONS TO CANDIDATES</i>	Date: 2022.08.21
Answer five questions only	Duration of the examination = 02 hours
Total Marks = 100	Candidates could be disqualified if you violate examination rules.
	Candidates are not allowed to communicate with and disturb fellow candidates during the examination.

* Answer five questions only.

Question 01

- (i) Define the terms "Management", "Classroom Management" and "Corporal punishment". (10 Marks)
- (iii) Compare and contrast engaged time and academic learning time. (10 marks)

Question 02

- (i) Discuss the causes for inappropriate behaviour of the pupil. (10 marks)
- (ii) Discuss the **three** ways of managing surface learners. (10 Marks)

Question 03

- (i) "Transformational leadership style is very good for the Teachers". Do you agree with the statement? Justify your answer. (10 marks)
- (ii) Discuss the **four** main aspects in implementing the principles of pedagogical leadership. (10 marks)

Question 04

- (i) Explain **five** features of school culture with **two** examples for each feature. (10 Marks)
- (ii) Analyze why individualist culture is not good for team working in the school. (10 marks)

Question 05

- (i) Explain the resources in school with **two** examples for each resource. (10 marks)
- (ii) As a grade five teacher how do you plan effective classroom setup? Discuss with examples. (10 marks)

Question 06

Write a short essay on **one** of the topics below

- (i) Teacher as a Democratic leader (20 marks)
- (ii) Schools record management (20 Marks)

-----END OF THE QUESTION PAPER-----



Final Examination Question Paper

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EDUCATION & TRAINING COURSE: DIPLOMA IN TEACHING ENGLISH LANGUAGE & LITERATURE

DIPLOMA IN PRIMARY TEACHING

DIPLOMA IN TEACHING MATHEMATICS & SCIENCE

COURSE CODE: LC-0838/839/844

SUBJECT: EDUCATIONAL PSYCHOLOGY

Faculty	Department / Section / Division
Humanities and Education	Education

<i>Instructions to Candidates</i>	Date: 2022.08.20
Write all the questions.	Duration of the examination = 02 hours
Total Marks = 100	Candidates could be disqualified if you violate examination rules.
	Candidates are not allowed to communicate with and disturb fellow candidates during the examination.

Answer any four questions (Each question carries 25 marks)

- Psychologists working in the field of education study how people learn and retain knowledge. They apply psychological science to improve the learning process and promote educational success for all students.
 - Explain the approaches of Education Psychology in the field of Learning.
 - Discuss the importance of education psychology for teachers.

2. Learning how your child views the world, teaching your child new skills, and mentoring them as they process new feelings and changes is all part of being a teacher.

(a). What are the stages of child development?

(b). Explain the importance of studying of child development for a teacher

3. Learning theories explain how the learning process happens. A learning theory can be used to underpin a curriculum or lesson and guide a teacher's instructional strategy.

(a). What are the four stages of cognitive development according to Jean Piaget?

(b). Briefly explain the Social Learning theory, proposed by Albert Bandura.

4. Motivation, forces acting either on or within a person to initiate behaviour. The word is derived from the Latin term motives ("a moving cause"), which suggests the activating properties of the processes involved in psychological motivation.

(a). Explain in brief the types of motivations in the field of education.

(b). Explain the important of understanding of motivational theories for a teacher

5. Write short notes on **any two** (25 Marks)

(a). Social Learning Theory: Bandura

(b). Learning.

(c). Personality.

(d). Memory.

-----END OF THE QUESTION PAPER-----



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EDUCATION & TRAINING COURSE: DIPLOMA IN TEACHING ENGLISH LANGUAGE & LITERATURE

DIPLOMA IN PRIMARY TEACHING

DIPLOMA IN TEACHING MATHEMATICS AND SCIENCE

COURSE CODE: LC - 0838/839/844

SUBJECT: EDUCATIONAL GUIDANCE & COUNSELLING

Faculty	Department / Section/Division
Humanities and Education	Education

<i>INSTRUCTIONS TO CANDIDATES</i>	
	Date: 2022.08.20
	Duration of the examination = 02 hours
Total Marks = 100	Candidates could be disqualified if you violate examination rules.
	Candidates are not allowed to communicate with and disturb fellow candidates during the examination.

Answer any four questions (Each question carries 25 marks)

(1). Guidance is provided at all levels of education schools, colleges and universities. The aim of guidance is to help students adjust to their educational environment. Many students face problems in adjusting to their school or college life and are unable to cope up with these problems.

- What type of School Guidance services the school would provide?
- Explain needs of "School Guidance Services" in current educational setup.

(2) Counselling is designed to help people to understand and clarify their views and learn how to reach their self-determined goals through meaningful, well-informed choices, and through the resolution of emotional or interpersonal problems.

- (a) What are the main aims of school counselling?
- (b) Explain the difference between Counselling & Psychotherapy.

(3) Several well-performed steps can help the counselor engage with the client and ensure they listen openly, without judgment or expectation. The counselor must work on the following measures to build and maintain the relationship with the client.

- (a) Name the main stages of the counselling process.
- (b) Explain the sources of information of a client.

(4) Anxiety is a feeling of unease, such as worry or fear, that can be mild or severe. Everyone has feelings of anxiety at some point in their life.

- (a) What are the "Physical Symptoms" of Anxiety?
- (b) Explain how to overcome exam Anxiety.

(5) Write Short note on two of below (Each topic carries 12.5 Marks)

- (i). Anxiety and Depression.
- (ii). Working with Parents as a Teacher Counsellor.
- (iii). Educational Guidance.
- (iv). Personal Characteristics of an Effective Counsellor.

-----END OF THE QUESTION PAPER -----



FINAL EXAMINATION QUESTION PAPER

CODE - QP

Approved for Quality Management System

EDUCATION & TRAINING COURSE: DIPLOMA IN TEACHING ENGLISH LANGUAGE & LITERATURE/DIPLOMA IN PRIMARY
TEACHING/DIPLOMA IN TEACHING MATHEMATICS & SCIENCE
COURSE CODE: LC-0838/839/844
SUBJECT: EDUCATIONAL MEASUREMENT AND EVALUATION

Faculty	Department / Section/Division
Humanities and Education	Education

<i>INSTRUCTIONS TO CANDIDATES</i>	Date: 2022.12.11
Total Marks = 100	Duration of the examination = 02 hours
	Candidates could be disqualified if you violate examination rules.
	Candidates are not allowed to communicate with and disturb fellow candidates during the examination.

Write answers only for five (05) selected questions. Each question carries equal marks.

Question 01

- a. Define the following two assessment concepts in brief.
- i. Assessment ii. Evaluation **(8 Marks)**
- b. "Measurement is quantifying students' performance." Discuss separately how measurements support teachers and students in teaching and learning process. **(12 Marks)**

Question 02

- a. Define "Formative Assessment" and explain how it supports students. Give a minimum of **three** reasons. **(10 Marks)**
- b. Define "Summative Assessment" and discuss how it supports students. Give a minimum of **three** reasons. **(10 Marks)**

Question 03

- a. Define "Criterion-Referenced Tests - (CRTs)" and "Norm-Referenced Tests (NRTs)". **(10 Marks)**
- b. "CRTs are more important for students than NRTs." Elaborate the statement with a minimum of **three** reasons. **(10 Marks)**

Question 04

Different types of tests are used in education for different purposes. Write short notes on **four** of the following types of tests in explaining their purposes in student assessment process.

- a. Selection test
- b. Diagnostic test
- c. Aptitude test
- d. Intelligent test
- e. Achievement test

(20 Marks)

Question 05

- a. Write down the **six** assessment principles. (08 Marks)
- b. Select **three** assessment principles that you mentioned under (a) and describe how each principle is supported to the teachers in planning the student assessments.

(12 Marks)

Question 06

- a. State the levels of Bloom's Taxonomy of Educational Objectives. (03 Marks)
- b. Briefly describe type of knowledge measured by each level of the taxonomy. (06 Marks)
- c. Discuss how the Bloom's Taxonomy theoretically guides assessors to develop test papers. (11 Marks)

Question 07

- a. Mention the **two** types of test items and show the types of test items come under each type in a diagram. (05 Marks)
- b. Briefly discuss the strengths and weaknesses of each type of test item. (06 Marks)
- c. Select a minimum of **two** test items and mention guiding standards to be followed in developing each test item. (09 Marks)

-----END OF THE QUESTION PAPER-----



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EDUCATION & TRAINING COURSE: DIPLOMA IN TEACHING ENGLISH LANGUAGE & LITERATURE/DIPLOMA IN PRIMARY
TEACHING/DIPLOMA IN TEACHING MATHEMATICS & SCIENCE

COURSE CODE: LC-0838/839/844

SUBJECT: FOUNDATION OF EDUCATION

Faculty	Department / Section/Division
Humanities and Education	Education

<i>INSTRUCTIONS TO CANDIDATES</i>	Date: 2022.12.10
Total Marks = 100	Duration of the examination = 02 hours
	Candidates could be disqualified if you violate examination rules.
	Candidates are not allowed to communicate with and disturb fellow candidates during the examination.



Part 1

Answer all questions

1. Provide two definitions for 'Education'.
2. "The Educational Aims are decided at national level". Mention 4 characteristics of educational aims.
3. Explain two differences between teacher centered and student centered approach.
4. Write 4 objectives of the code of Ethics for teachers?
5. Mention 4 pillars of education.

(20 marks)

Part 2

Answer any 4 questions

Question 01

1. Write 3 main domains of Education. (2 marks)
2. Explain 2 characteristics of Education. (4 marks)
3. Briefly mention three examples for educational aims (6 marks)
4. There are three main modes of Education. Explain with suitable examples (8 marks)

(20 marks)

Question 02

1. Differentiate aims and objectives. (2 marks)
2. Why is it important to consider learning objectives in the teaching learning process? Explain briefly. (4 marks)
3. 'The national system of education should assist individuals and groups to achieve major national goals'. State three national goals. (6 marks)
4. "Competencies in communication are based on 4 subsets": Discuss (8 marks)

(20 marks)

Question 03

1. Explain teacher centered education. (2 marks)
2. 'Student centered education is better than teacher centered education'. Do you agree with this? Explain (4 marks)
3. Discuss 3 duties of a school teacher with relevant examples. (6 marks)
4. "Teachers play different roles in the school". Explain this statement using suitable examples. (8 marks)

(20 marks)

Question 04

1. What is code? (2 marks)
2. Briefly explain 4 objectives of the code of ethics for teachers. (4 marks)
3. How do you behave ethically in the school setting? Provide three examples. (6 marks)
4. Discuss major challenges to code of success. (8 marks)

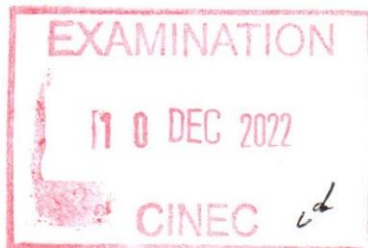
(20 marks)

Question 05

1. Define the term "value ". (2 marks)
2. Explain the significance of value education in the school setting (4 marks)
3. Briefly explain 3 agents of socialization. (6 marks)
4. Discuss 4 ways and means that a teacher can inculcate value education (8 marks)

(20 marks)

-----END OF THE QUESTION PAPER-----



FINAL EXAMINATION QUESTION PAPER

CODE - QP

Approved for Quality Management System

EDUCATION & TRAINING COURSE: DIPLOMA IN TEACHING ENGLISH LANGUAGE AND LITERATURE/DIPLOMA IN
PRIMARY TEACHING/DIPLOMA IN TEACHING MATHEMATICS AND SCIENCE
DIPLOMA IN EARLY CHILDHOOD EDUCATION
COURSE CODE: LC-0838/0839/0844/0843
SUBJECT: LANGUAGE & COMMUNICATION SKILLS

Faculty	Department / Section/Division
Humanities and Education	Education

<i>INSTRUCTIONS TO CANDIDATES</i>	Date: 2022.12.10
Total Marks = 100	Duration of the examination = 03 hours
	Candidates could be disqualified if you violate examination rules.
	Candidates are not allowed to communicate with and disturb fellow candidates during the examination.

English Language and Communication

December 2022

Answer all questions
Total marks -100
Pass mark -50

Index No.....
Duration – 3 hours

Question 01

Fill in the blanks with a suitable preposition

1. What I thought was different what you thought.
2. They are agreement to sell the house for a cheap price.
3. She will put the blame you if you failed to attend the conference.
4. People are afraid the current economic situation in the country; they migrate to well-developed countries.
5. After the graduation, I'm planning apply for a job.

(05 marks)

Question 02

Underline the correct word ending selecting from those given in brackets.

1. He told me confi..... (dential, dent, dentially) that he was going to apply for the post of director.
2. Gamini told that he was miser..... (able, y, ably) because he had lost his job.
3. My friend always wears glam..... (orously, orous, our) dresses.
4. In desper..... (ate, ately, action), I went to the psychiatrist for help.
5. He was dis..... (gusting, gusted, gustedly) with the way his friend behaved at the party.

(05 marks)

Question 03

Read the letter given and answer the following questions.

42/B
Kuliyapitiya
5th October 2022

My dear Rizvana,

It has been quite some time since I wrote to you last. The last month was indeed very **hectic**, as our first term test was in full swing. We all were delighted when our vacation commenced. Our family along with uncle Sisira's family went to Riverstone in Matale during this holiday.

We all went in uncle Sisira's van and had a wonderful time. We started our journey in the morning from Kuliyapitiya and reached Matale town around 7.30 a.m. After taking breakfast at a restaurant in Rattota, we reached Illukumbura forest bungalow around 10.00 a.m. This bungalow had been reserved by my father before our vacation started. After having a cup of tea **there**, we proceeded to Riverstone, which is about 10km from the bungalow, with our guide, Bandara, who joined us there. We drove up to Riverstone Telecommunication Tower and parked our van near a small river and began trekking from there towards the mountains. As there weren't many visitors on that day, we felt our journey relaxed.

We headed to Sera Ella and enjoyed the refreshing cold spray of misty water droplets there. Oh! – I forgot. Before that, we visited 'mini worlds end' and enjoyed the picturesque view of Knuckles range and Thelgarnuwa valley. From Sera Ella, we all walked to Thelgama Oya and had a cooling dip bath after a long arduous trek. My mother had prepared sandwiches. After

having sandwiches for our lunch, we reached our lodge at 5.00 p.m. and enjoyed our dinner prepared by Bandara. Next morning, we all set out to Kuliypitiya after breakfast.

You must also plan a visit to this place and I am sure you will enjoy it. Give my love to Anil.

Loving friend
Seetha

1. Do the following statements agree with the information given in the above text? In boxes write **True** or **False**.

True	If the statement is correct
False	If the statement is wrong

Statements	
(1) The two families went to Riverstone before the vacation.	
(2) Seetha's family started the journey before 7.30 a.m.	
(3) Their vehicle was kept at the Illukkumbura forest bungalow when they visited Sera Ella.	
(4) A lot of tourists had come to Riverstone on the day of their visit.	
(5) Before they reached Sera Ella, they had visited 'mini worlds end'.	
(6) They had a bath at Sera Ella.	
(7) Their lunch was prepared by Seetha's mother.	
(8) They spent the night at the Illukkumbura forest bungalow.	

2. Underline the **most appropriate** response.

(a) The word '**hectic**' most nearly means

- (1) awful
- (2) thoughtful
- (3) complicated
- (4) busy

(b) The word, '**there**' in bold print refers to

- (1) Matale
- (2) Illukkumbura Forest Bungalow
- (3) Riverstone
- (4) Restaurant in Rattota

3. Write a summary of Seetha's journey to Riverston.

.....

.....

.....

.....

.....

.....

.....

.....

(20 marks)

Question 04

Rewrite each sentence beginning as shown, so that the meaning stays the same.

- If you don't do it, you will be in danger.

Unless you

- I didn't have an umbrella with me, so I got wet.

I wouldn't.....

- You dial this number to contact him.

If you.....

- The politician promised a solution.

A solution.....

- The government ought to issue O/L results now.

It's high time

- Don't complain all the time. It's so annoying.

I wish

- I am very sorry. I couldn't attend your uncle's funeral.

I really wish.

- She was not there, that's why I couldn't speak to her.

If she

- One of my friends always gives me calls for nothing.

I

- It's better if you can leave now itself.

You'd

(10 marks)

Question 05

Underline the correct word forms those given within brackets to fill in the blanks in the following text.

A boy and a girl (1)..... (was/ were/ been) playing together. The boy had (2)..... (a/ those/ many) collection of beautiful marbles. The girl had (3)..... (some/ much/ any) toffees with her. The boy offered to give the girl all his marbles (4)..... (on/ in/ with) exchange for all her toffees. The girl agreed. The boy gave all the marbles to the girl, but secretly kept (5)..... (a/ few/ the) most beautiful marble for (6) (his/ he/ himself) The girl gave him all her toffees (7)..... (unless/as/though) she had promised. That night, the girl slept peacefully. But the boy couldn't sleep as he kept wondering if the girl had hidden some more tasty toffees from (8) (he/him/his) the way he had hidden (9).....(himself/his/him) best marble.

If you don't give your hundred percent in a relationship, you will always keep doubting (10) (after/ whether/ before) the other person has given his or her hundred percent.

(10 marks)

Question 06

Read the following text and do the activities that follow. The text has six paragraphs. (I—VI). One word in the first paragraph (I) has been deleted.

- (I) Garbage cans are not magical portals. Trash does not disappear when you toss it in a can. Where does all that trash go? There are four methods to manage waste: recycling, landfilling,, and incinerating. Each method has its strengths and weaknesses.
- (II) Recycling is the process of turning waste into new materials. For example, used paper can be turned into cardboard, which can be used to make book covers. Recycling can reduce pollution, save materials, and lower energy use. Yet, some argue that recycling wastes energy. They believe that the process of collecting, and converting waste uses more energy than it saves. Still, recycling is better for the planet than land-filling.
- (III) Land-filling is the oldest method of managing waste. In its simplest form, land-filling is when people bury garbage in a hole. Over the years, the practice of land-filling has advanced. Garbage is compacted before it is thrown into the hole. In this way, more garbage may be put in each landfill. Large liners are placed in the bottom of landfills so that toxic garbage juice doesn't get into the ground water. Sadly, these liners don't always work. Landfills may pollute the local water supply. Not to mention that all of that garbage stinks. Nobody wants to live next to a landfill. This makes it hard to find new locations for landfills
- (IV) As landfill space increases, interest in composting grows. Composting is when people pile up organic matter, such as food waste, and allow it to decompose. The product of this decomposition is compost. Compost can be added to the soil to make the soil richer and better for growing crops. While composting is easy to do on-site somewhere, like home or school, it's hard to do after the garbage gets all mixed up. This is because plastic and other inorganic materials must be removed from the compost pile or they will pollute

the soil. There's a lot of plastic in garbage, which makes it hard to compost on a large scale.

(V) One thing that is easier to do is burning garbage. There are two main ways to incinerate waste. The first is to create or harvest a fuel from the waste, such as methane gas, and burn the fuel. The second is to burn the waste directly. The heat from the incineration process can boil water, which can power steam generators. Unfortunately, burning garbage pollutes the air. Also, some critics worry that incinerators destroy valuable resources that could be recycled.

(VI) Usually, the community in which you live manages waste. Once you put your garbage in a can, what happens to it is beyond your control. But you can make choices while it is still in your possession. You can choose to recycle, you can choose to compost, or you can choose to let someone else deal with it. The choice is yours.

(1) In the space provided beside each sentence given below, write T (True) if the sentence is correct and F (False) if it is wrong and U (Unknown) if the information given in the text is not sufficient to decide.

- (a) Developed countries use recycling method more often than other waste management methods. (.....)
- (b) Due to high amount of plastic in garbage, it is difficult to produce *compost* on a large scale. (.....)
- (c) The writer does not recommend one method of waste management as the best. (.....)

(2) **Underline** the most appropriate response in each of the following.

(a) Which of the following is the most appropriate word to fill in the blank in paragraph I?

- (i) processing (ii) composting (iii) destroying (iv) locating

(b) Which of the following is true?

- (i) Burning garbage does not cause environmental pollution.
(ii) Landfills can cause environmental pollution.
(iii) Compost and land-filling can be used to make the soil richer.
(iv) Land-filling is a more effective method than recycling.

(c) Which of the following is not true according to paragraph V?

- (i) Burning garbage is an easy method of waste management.
(ii) There are no advantages of incinerating method.
(iii) Incinerating method has both advantages and disadvantages.
(iv) Incinerating method can harvest a fuel from the waste.

(d) Which of the following is the most appropriate title to this text?

- (i) Recycling Garbage; a better method of waste management.
(ii) Methods of Waste Management; their strengths and weaknesses.
(iii) Waste Management Methods; four types and their advantages.
(iv) Recycling Garbage: its strengths and weaknesses.

(3) Fill in the blanks in the following passage, based on the information in the above text. Do not use more than two words in each blank.

Throughout history, waste has been generated by humans. In areas with low population density, waste generation may have been negligible. Therefore, in the past (1)..... was

a very satisfactory method of waste management. As the population grew, the build-up of waste caused a rapid deterioration in the general quality of life. As a result, people realized the importance of other methods of (2) management. They began to (3) the waste. The heat generated from this process was used to boil water. However, incineration process led to air pollution. In another method, people are thinking of turning waste into new materials, the process of which is referred to as (4) Though it has many advantages, we cannot ignore the fact that it uses more (5) than it saves.

(4) Who or what do the pronouns in bold print in the text refer to?

- (a) it (paragraph II) -
- (b) they (paragraph IV) -
- (c) it (paragraph VI) -

(5) Write one word for each blank, selecting from the passage, which means the same as each of the given word/phrases

- (d) make something less or smaller in size/quantity -
- (e) developed/improved -
- (f) containing poison -
- (g) very useful/important -
- (h) persons who express opinions or disapproval of something -

(20 marks)

Question 07

Fill in each blank with the correct form of the verb given in brackets.

Two schoolboys were arguing over something one day. Suddenly, they started (1).....
(hit) each other. (2)..... (see) them, a third boy came rushing towards them to
stop their fight. As he (3)..... (go) near them, he heard the first boy (4)
..... (tell) the second boy "With one hard slap I (5)..... (take)
out all your 64 teeth."

The third boy (6) (shock) at what he said and asked the first boy, "What
the hell (7) you (talk) about? Where in the world
(8)..... you (find) a person with 64 teeth?"

To this the first boy replied, "I knew you (9) (interfere) in our matter,
that's why I (10)..... (include) yours as well.

(10 marks)

Question 08

Write an essay on one of the following. Use not less than 200 words.

- (1) Importance of technology in teaching
- (2) Impact of the economic crisis on education
- (3) Living with COVID 19 pandemic

Or

Develop the following into a story

It was the very first time that I went on a trip without my family. My friends including me
decided to go on a trip.....

(20 marks)

-----END OF THE QUESTION PAPER-----

Lehmy

00019



FINAL EXAMINATION QUESTION PAPER

CODE - QP

Approved for Quality Management System

EDUCATION & TRAINING COURSE: DIPLOMA IN PRIMARY TEACHING

COURSE CODE: LC 0839

SUBJECT: PRIMARY MATHEMATICAL SKILLS

Faculty	Department / Section/Division
Humanities and Education	Education

<i>INSTRUCTIONS TO CANDIDATES</i>	Date: 2022/12/11
Total Marks = 100	Duration of the examination = 02 hours
	Candidates could be disqualified if you violate examination rules.
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❖ **Answer 5 questions**

Question 01. Underline the correct answer

i. The symbol D in Roman numeral stands for:

- (a) 100
- (b) 500
- (c) 1000
- (d) 50

ii. The corners of a solid shape are called its _____.

- (a) vertices
- (b) edges
- (c) faces
- (d) net

iii Which one of the following is an improper fraction?

- (a) $\frac{5}{3}$ (a) $\frac{1}{7}$ (a) $\frac{4}{15}$ (a) $\frac{1}{10}$

iv. How many lines of symmetry does the figure have?



- (a) 1 (b) 2 (c) 3 (d) 4

v. Following are some mathematical statements that a student wrote.
Select the one that is incorrect.

- (a) Regular polygon has all its sides are equal.
(b) A square has all its angles equal to 90 degrees.
(c) 2 is a prime number.
(d) A triangle is a three-dimensional shape.

vi. Select the correct expression

- (a) $(-3) > (+2)$
(b) $(+1) > (-5)$
(c) $(-5) > (0)$
(d) $(-3) > (-1)$

vii. When a child can say that the number of objects in a set is not changed when the arrangement of the objects are changed, the child has developed the concept of

- (a) Relationships
(b) Ordering
(c) Invariance
(d) Neighborhood

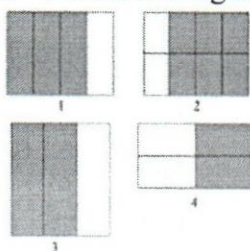
viii. Select the correct order of following experiences that are used in introducing number concepts in primary grades

- a) Visual , Abstract, Concrete
b) Concrete, Visual , Abstract
c) Abstract , Visual ,Concrete
d) Concrete , Abstract, Visual

ix. Which of the following vocabulary words are related to measuring length?

- (a) big, small
- (b) long, short
- (c) above, under
- (d) minutes, hours

x. Each figure represents a fraction. Which two figures represent the same fraction?



- (a). 1 and 2
- (b). 1 and 4
- (c). 2 and 3
- (d). 3 and 4

(2 x 10 = 20 marks)

Question 02

- (a) Write all prime numbers between 10 and 25. [3 marks]
- (b) i. Write $85/125$ as a decimal number.
- ii What is the hundredth digit of this decimal number? [4 marks]
- (c) Draw an abacus to represent number 20.54 [2 marks]
- (d) There is a square which a side length is 12cm. Its perimeter is equal to the perimeter of an equilateral triangle. Find the side length of the equilateral triangle. [5 marks]
- (e) Write down 3 characteristics observed in a cube? [3 marks]
- (f) Write the Hindu-Arabic numeral for MMCMIX. [3 marks]

Question 03

- (a) What is CPA approach? Describe activities early grade teacher can use in these three stages. [10 marks]
- (b) Explain a sequence of activities suitable to introduce 'number 3' for early grade Children. [10 marks]

Question 04

- (a) Name three pre-mathematical concepts and describe these concepts with examples. [10 marks]
- (b) Name three teaching/learning materials that can be used in mathematics lessons and explain how these materials can be used in a lesson. [10 marks]

Question 05

- (a) There are three essential stages to follow in developing concepts related to measuring attributes of objects. Name these three stages. [06 marks]
- (b) Write three units used in ancient time to measure length. [03 marks]
- (c) Name three measuring tools that are used to measure length. [03 marks]
- (d) Name three devices which can be used to measure time. [03 marks]
- (e) The quantity of drink in a bottle was 2 l and 100 ml.
Of this amount, three 200 ml glasses were served to guests. Find the amount of drink remaining in the bottle. [05 marks]

Question 06

The number of glasses of fruit drinks sold at a stall on a certain day, is represented in the following table.

Type of drink	Tally marks	Number of glasses sold
Wood apple		7
Mango		5
Lemon		6
Guava		3
Pineapple		4

- (a) Complete the tally marks column in this table. [02 marks]
- (b) Draw a bar graph using this data. [02 marks]
- (c) Write a suitable topic for the graph. [02 marks]
- (d) What information does the vertical axis give? [02 marks]
- (e) Write six questions to ask from children to test their ability to interpret data shown in the graph. [12 marks]

Question 07

- (a) The most common number system in the world is Hindu–Arabic number system.
Explain the advantages of this number system. [10 marks]
- (b) Write 3 activities that you can use with children to introduce place value of numbers. [10 marks]

Question 08

- (a) Explain the importance of formative assessment in mathematics lessons. *[10 marks]*
- (b) Explain the difference between Instrumental learning (rote learning) and Relational learning (meaningful learning) *[10 marks]*

-----END OF THE QUESTION PAPER-----