A. Read the passage carefully

Goldfish are sweet little things, swimming about decoratively in their bowls as they do, happily minding their own business. Not that they have a lot of business to mind. Scientists tell us that our goldfish friends have three-second memories.

This may explain why they don’t live longer. Imagine how exhausting it must be making fresh discoveries all the time. After each circuit of their cosy little bowl they are struck by the thought: “My goodness, this is all new!”.

Then, imagine if there are other fish sharing the bowl. They must become worn out by the constant need for introductions.

“Hello, I’m Sophie”.
“Hi, I’m Neil”.
Three seconds later.
”Hello, I’m Sophie”.
“Hi, I’m Neil”.

Boxfish, it turns out, aren’t much brainier. Recently one of these square, spotted fish at an oceanarium became friendly, so officials dropped a dice into her tank, hoping she might be drawn to it. Apparently, it did the trick and the two have become inseparable. Dottie, we are told, won’t leave the dice alone.
Well, it sounds a nice enough story, but Dottie has done a great disservice to male boxfish everywhere. Frankly, what’s the point of their making any effort? All those years of working on their swimming technique and making sure their dots boded their best, were totally wasted. It turns out that the female boxfish will settle for anything square with a few dots.

Now answer the following questions. Tick the one you think is most appropriate. (5)

1. ‘Exhausting’ means
   i. boring
   ii. tiring
   iii. interesting

2. ‘Circuit’ in the second paragraph means
   i. a round
   ii. an electrical connection
   iii. a part of the bowl

3. Dottie
   i. a goldfish
   ii. a boxfish
   iii. an oceanarium employee

4. Dottie and the dice became inseparable. ‘Inseparable’ means
   i. cannot be parted
   ii. extremely close
   iii. fused

5. The female boxfish will settle for anything square with a few dots. The underlined phrase refers to
   i. the tank
   ii. the male spotted boxfish
   iii. the dice

B. Now summarise the passage in about two sentences not exceeding 50 words.(5)
C. What would you say in these situations? Tick against the correct answer. (4)

You were supposed to reach your uncle’s place at 9 pm for dinner. You had to finish your college assignment before you went to his place. Naturally you were late. What would you say in this situation?

(a) I am extremely sorry. I kept you all waiting for so long.
(b) Sorry! I hope it’s not too late.
(c) Sorry, I had to finish my assignment.
(d) Please excuse me for arriving at such a late hour.

Two of your friends and you want to watch a movie. You’ve heard IMAX is a good theatre somewhere near Necklace road. You are on the Necklace road right now and IMAX is nowhere to be seen. How would you ask a passer by about the way to IMAX?

(a) Excuse me can you tell us the way to the IMAX?
(b) If you don’t mind could you tell us which way is the IMAX?
(c) Err... do you mind showing us the way to IMAX?
(d) Where is IMAX?

Your teachers and some of the students are discussing what can be done to punish a student who has misbehaved with a senior teacher. One of the teachers suggests that the student be thrown out of college. You do not agree because the student is in his final year and this punishment can ruin his career. How would you disagree with your teacher?

(a) This is outrageous! How can you suggest such a thing.
(b) What he has done is definitely wrong but can we give him a chance?
(c) May be what you say is right, but do you think this will make him realize his mistake?
(d) No I don’t think we should do such a thing!

You want to invite your friend to your sister’s wedding. How would you invite him/her?

(a) I would be grateful if you could come to my sister’s wedding.
(b) Why don’t you come to my sister’s wedding tomorrow?
(c) I would like you to come to my sister’s wedding tomorrow.
(d) Come to my house tomorrow, it’s my sister’s wedding.

D. The government should make some rule so that animals are not caged and kept in zoos for public entertainment.
Do you agree with this statement? Take a stance and argue for your stance in about 100 words.

APPENDIX-B1

(PIL OT STUDY)

PART I

PERSONAL INFORMATION

1. Name of the Teacher:
2. School and Address:
3. Sex:
4. Educational qualification:
   a. Secondary English/Malayalam
   b. Higher Secondary English/Malayalam
   c. BA/BSc/Bcom English/Malayalam
   d. MA/MSc/Mcom English/Malayalam
   e. B.Ed./TTc English/Malayalam
   f. M.Ed. English/Malayalam
5. Experience in teaching in English medium schools: __________________

PART II

INTERVIEW SCHEDULE

Answer the question in Yes or No

7. Do you use only English while teaching?
8. Do you transact the content fully in English?
9. Do you interact with the children in English inside and outside the classroom?
10. Do you use English while you teach life situations?
11. Do you find it difficult to interact with the children only
12. Do you find that children find it difficult to follow your English to English explanations?

13. Do you emphasise talking in English among students?

14. Do you feel that your strict adherence to English keeps the children away from you?

**APPENDIX-B2**

*(FINAL STUDY)*

1. Name of the Teacher: 

2. School and Address: 

3. Sex: 

4. Educational qualification:

5. Medium of education:
   a. Secondary English/Malayalam
   b. Higher Secondary English/Malayalam
   c. BA/BSc/Bcom English/Malayalam
      Main Subject
   d. MA/MSc/Mcom English/Malayalam
      Subject
   e. B.Ed./TTc English/Malayalam
      Subject
   f. M.Ed. English/Malayalam
      Subject

6. Experience in teaching in English medium schools: __________________________

7. Class and subject handled now __________________________
1. Do you find any difficulty in teaching subject through English       Yes/No

2. If ‘Yes’, list the difficulties do you face
   a. Transacting the content

   ____________________________________________________________
   ____________________________________________________________
   ____________________________________________________________
   ____________________________________________________________

   b. Difficulties while interacting with children

   ____________________________________________________________
   ____________________________________________________________
   ____________________________________________________________
   ____________________________________________________________

   c. Difficulties in explaining life situations/experience in teaching

   ____________________________________________________________
   ____________________________________________________________
   ____________________________________________________________
   ____________________________________________________________

3. If ‘No’, list the difficulties you observe in your colleague.
   a. Transacting the content

   ____________________________________________________________
   ____________________________________________________________
   ____________________________________________________________
   ____________________________________________________________

   b. Difficulties while interacting with children
APPENDIX C1

ACHIEVEMENT TEST (PILOT STUDY)

EVS

Class IV                      Name: ______________

Max Marks: 25

Fill in the blanks

1. Fire burns with the help of _________________________ gas.

2. The process of making food by green plants is known as ______________.

3. A house made up of snow is called ____________________________.

4. Rice plants grow cell in ________________ soil.

5. The green colouring substance present in leaves are called ____________.

6. During summer, people like to wear _________________ clothes.

7. We get silk from _________________________.

8. We cannot see the air, but we can ____________________ it.

9. Cooking gas is obtained from ____________________________.
10. ___________________ filters the waste substances from the blood.
11. The movement of the earth on its own axis is called _____________.
12. Digested food reaches different parts of the body through _____________.
13. Vibration of __________________ produces sound.
14. ___________________________ grows plants in the field.
15. _________________ leaves are used to protect silk cloths from insects.
16. Air occupies _____________________________.
17. Wild animals live in _________________________.
18. Plants take water and mineral salts from the soil through their ________.
19. The human heart has _________________ chambers.

Name the following

20. The model of the earth.
____________________________________________
21. The house of a hen.
____________________________________________
22. Two grain yielding plants.
____________________________________________
23. Two metals.
____________________________________________
24. Two wool-giving animals besides sheep.
____________________________________________
25. Two leafy vegetables.
____________________________________________
APPENDIX C2

ACHIEVEMENT TEST (FINAL STUDY)

EVS

Class IV Max Marks: 20

1. Name: _____________________  
2. Name of the school: ____________

3. Sex: (Male/Female) 
4. Father’s Name: ________________

5. Father’s Occupation: __________ 
6. Mother’s Name: ________________

7. Mother’s Occupation: __________

Fill in the blanks

1. The process of making food by green plants is known as ______________.

2. A house made up of snow is called ____________________________.
3. The green colouring substance present in leaves are called ____________.

4. During summer, people like to wear _________________ clothes.

5. We get silk from ________________________.

6. We cannot see the air, but we can _________________ it.

7. _________________ filters the waste substances from the blood.

8. The movement of the earth on its own axis is called ________________.

9. Digested food reaches different parts of the body through ____________.

10. ___________________________ grows plants in the field.

11. _________________ leaves are used to protect silk cloths from insects.

12. Air occupies ________________________.

13. Wild animals live in ______________________.

14. Plants take water and mineral salts from the soil through their ________.

15. The human heart has _________________ chambers.

Name the following

16. The house of a hen.  
____________________________________________

17. Two grain yielding plants.  
____________________________________________

18. Two metals.  
____________________________________________

19. Two wool-giving animals besides sheep.  
____________________________________________

20. Two leafy vegetables.  
____________________________________________
APPENDIX C3

ACHIEVEMENT TEST

EVS

Answer Key

Class IV

Fill in the blanks

1. Photosynthesis
2. Igloo
3. chlorophyll
4. cotton
5. silkworm
6. feel
7. kidney
8. Rotation
9. blood
10. farmer
11. Neem
12. space
13. forests
14. roots
15. four

Name the following

16. Coop
17. Rice/wheat
18. Copper/Gold
19. Camel, Yak
20. Cabbage/Spinach

APPENDIX D1

ACHIEVEMENT TEST (PILOT STUDY)

ENGLISH

Class IV Name: ______________

Max Marks: 25

Fill in the blanks using the opposite of the words underlined. 5

1. Yesterday I lost my pen but today I __________________ it.
2. A blackboard is opaque whereas a glass is ____________.
3. Alex is a rich man, his neighbour is ____________.
4. Babu is very fat, but his sister is ____________.
5. Raju is very rich, but Ramesh is ____________.

Fill in the blanks using the right words from the bracket.  
6. The book is ____________ the table (on, of, in).
7. The cat is ____________ the table (under, between, among).
8. A doctor who performs operation is called a ____________ (surgeon, vet, dentist).
9. People who are engaged to collect news are called ____________ (reporters, editors, readers).
10. She is ____________ air hostess (a, an, the).

Fill in the blanks using the correct tense form from the bracket  
11. The sun ____________ in the east. (rise, rises, rose)
12. Honey ____________ sweet. (is, an, are)
13. Sheela is ____________ TV. (watch, watching, watched)
14. The boys ____________ playing in the ground. (are, is, was)
15. The earth ____________ around the sun. (go, goes, going)

Give the other two forms of the word underlined.  
16. Anil is tall, his brother Kamal is ____________ than him.
17. Mrs. Sheela is old, Mrs. Rani is her ____________ sister, but Mrs. Mala is the ____________ in their family.
18. Raju is my good friend, Ramesh is a ____________ friend than Raju, but Ratheesh is my ____________ friend.
Fill in the blanks using the ordinal form of the number in brackets. 5

19. Aneef is the ______________________ rank holder in the class. (3)
20. Republic Day is celebrated on the ______________ of January. (26)
21. Babu is sitting in the __________________ bench. (4)
22. Look at the ______________ row in the table. (1)
23. Children’s Day is celebrated in the ______________ of November. (14)
Fill in the blanks using the opposite of the words underlined. 3

1. A blackboard is opaque whereas a glass is ____________.

2. Alex is a rich man, his neighbour is ____________.

3. Babu is very fat, but his sister is ____________.

Fill in the blanks using the right words from the bracket. 5

4. The book is ____________ the table (on, of, in).

5. The cat is ____________ the table (under, between, among).

6. A doctor who performs operation is called a ____________ (surgeon, vet, dentist).

7. People who are engaged to collect news are called ____________ (reporters, editors, readers).

8. She is ____________ air hostess (a, an, the).

Fill in the blanks using the correct tense form from the bracket 3

9. The sun ____________ in the east. (rise, rises, rose)

10. Honey ____________ sweet. (is, an, are)

11. Sheela is ____________ TV. (watch, watching, watched)

Give the other two forms of the word underlined. 4

12. Sheela Towers is an old building. Rani Towers is ____________ than this building. But Mala Towers is the ____________ in the town.

13. Raju is a good cricket player. His friend Ramesh plays ____________ than him, but Ratheesh is the ____________ player in the school.
Fill in the blanks using the ordinal form of the number in brackets.  

14. Aneef is the ______________________ rank holder in the class. (3) 
15. Republic Day is celebrated on the _______________ of January. (26) 
16. Babu is sitting in the ________________ bench. (4) 
17. Look at the _______________ row in the table. (1) 
18. Children’s Day is celebrated in the _______________ of November. (14)
APPENDIX D3

ACHIEVEMENT TEST

ENGLISH

Answer Key

Class: IV

1. transparent
2. poor
3. thin/lean
4. on
5. under
6. surgeon
7. reporters
8. an
9. rises
10. is
11. watching
12. elder
   eldest
13. better
   best
14. third
15. twenty sixth
16. fourth
17. first
18. fourteenth
APPENDIX E1

ACHIEVEMENT TEST (PILOT STUDY)

MATHEMATICS

Class IV                          Name: ______________

Max Marks: 25

Fill in the blanks

1. __________ is the smallest number which when added to an odd number makes the sum an even number.

2. The place value of 3 in 30769 is _____________________.

3. The smallest form of 2/4 is ________________.

4. The numeral for eighty five thousand six hundred ninety eight is ________.

5. The largest 5 digit number formed by the numbers 7, 2, 9, 1 and 0 is __________.

6. The Roman numeral for the number 39 is ________________.

7. Ten thousands more than 21037 is ____________________.

8. Fractions with the same denominators are called ________________.

9. The place value of the digit 0 is a number is always ________________.

10. Every counting number is a multiple of ____________________ number.

11. A fraction with numerator greater than or equal to the denominator is known as __________________________ fraction.

12. _________________________ is a factor of every number.
13. Arrange 6172, 5652, 3268, 3154 in ascending order.

14. The largest 4-digit number is ____________________.

15. The smallest 4-digit number is ____________________.

16. Write 21793 in words. ______________________________________

17. The factors of 36 are ________________________________.

18. Draw a diagram and show the factor of \( \frac{3}{4} \)

19. Subtract \( \frac{3}{8} \) from \( \frac{10}{8} \) ____________________________.

20. Write three like fractions with denominator 10 ________________.

21. Write the first four multiples of 11 _______________________.

22. Round the following number 5685 to the nearest thousand __________.

23. Arrange the following numbers in descending order.
   \( \frac{5}{9}, \frac{4}{9}, \frac{13}{9}, \frac{6}{9} \) _______________________________

24. Observing the following pattern fill in the blanks.
   3, 6, 9, ___, ___, ___

25. Write XXII in Hindu Arabic numbers ________.
APPENDIX E2

ACHIEVEMENT TEST (FINAL STUDY)

MATHEMATICS

Class IV  Max Marks: 20

Name: ________________________

______________________________

Fill in the blanks

1. The numeral for eighty five thousand six hundred ninety eight is ________.

2. The largest 5 digit number formed by the numbers 7, 2, 9, 1 and 0 is ________.

3. The Roman numeral for the number 39 is ________________.

4. Ten thousands more than 21037 is __________________.

5. Fractions with he same denominators are called ______________.

6. Every counting number is a multiple of ________________ number.

7. A fraction with numerator greater than or equal to the denominator is known as ________________________ fraction.

8. ________________________ is a factor of every number.

9. Arrange 6172, 5652, 3268, 3154 in ascending order.
10. The largest 4-digit number is ____________________.

11. The smallest 4-digit number is ____________________.

12. Write 21793 in words. ____________________________________

13. The factors of 36 are ________________________________.

14. Draw a diagram and show the factor of $\frac{3}{4}$.

15. Subtract $\frac{3}{8}$ from $\frac{10}{8}$ ____________________________.

16. Write three like fractions with denominator 10 _____________________.

17. Write the first four multiples of 11 ________________________.

18. Round the following number 5685 to the nearest thousand __________.

19. Arrange the following numbers in descending order.
   $\frac{5}{9}, \frac{4}{9}, \frac{13}{9}, \frac{6}{9}$ _______________________________

20. Write XXII in Hindu Arabic numbers ________.
APPENDIX E3

ACHIEVEMENT TEST

MATHEMATICS

Answer Key

Class IV

1. 85698
2. 97210
3. XXX IX
4. 31037
5. Like fractions
6. 1
7. Improper
8. 1
9. 3154, 3268, 5652, 6172
10. 9999
11. 1000
12. Twenty one thousand seven hundred ninety three
13. 1, 2, 3, 4, 6, 9, 12, 18, 36
14. 

15. 7/8
16. 1/10, 2/10, 3/10, _________________
17. 11, 22, 33, 44
18. 6000
19. 13/9, 6/9, 5/9, 4/9
20. 22