



Ramakrishna Mission Vidyalaya

Narendrapur, Kolkata-700103

Class V (English Medium)

Ramakrishna Movement and Indian Culture **(Syllabus)**

1. Lives of Sri Sri Ramakrishna, Sri Sri Maa Sarada and Swami Vivekananda
2. History of Indian Culture
3. Idea of Ramakrishna Movement

Prescribed Books:

A Short life of Sri Ramakrishna

By Swami Tejasananda
Advaita Ashrama
(Publication House of Ramakrishna Math)
5 Dehi Entaly Road, Kolkata – 700014

Ramakrishna Paramahansa

By Swami Lokeswarananda
Sahitya Akademi

Sri Sarada Devi: The Holy Mother

By Swami Tapasyananda
Sri Ramakrishna Math
Mylapore, Madras-600004

A Short Life of Swami Vivekananda

By Swami Tejasananda
Advaita Ashrama
5 Dehi Entaly Road, Kolkata – 700014

Swamiji and His Message

By Sister Nivedita
Advaita Ashrama
5 Dehi Entaly Road, Kolkata – 700014

Great Masters of the World

By The Secretary
Ramakrishna Mission Ashrama
Narendrapur, Kolkata – 700103

The Ramakrishna Movement

By Swami Budhananda

Advaita Ashrama

(Publication House of Ramakrishna Math)

5 Dehi Entaly Road, Kolkata – 700014

Ramakrishna Movement and Indian Culture **(Sample Question Paper)**

Time: 15 minutes

F.M. 15

1. Who wrote Sri Sri Ramakrishna Kathamrita ?
2. How many Vedas are there ?
3. What was the childhood name of Swami Vivekananda ?
4. When was Sarada Devi born ?
5. What was the name of Sri Sri Ramakrishna's father ?
6. What does the lotus in the emblem of the Ramakrishna Mission stand for ?
7. How many chapters are there in The Bhagavad Gita ?
8. Who is the present President of Ramakrishna Math and Mission ?
9. What is the motto of Ramakrishna Math and Mission ?
10. When was Sri Sri Ramakrishna born ?
11. Who is known as Raja Maharaj in Ramakrishna order ?
12. Who wrote The Master as I Saw Him ?
13. Where did Sister Nivedita die ?
14. Who is the founder of the Ramakrishna Mission Ashrama, Narendrapur ?
15. What is the sacred book of Zoroastrianism ?

Class V (English Medium)

বাংলা

(Syllabus)

১. একই বানান অথচ ভিন্ন অর্থ এবং বাক্যে প্রয়োগ ।
২. চিঠি লেখা : ক) প্রধানশিক্ষককে, খ) বন্ধুকে, গ) বাবা-মাকে
৩. কোনো কবিতার অংশকে বা গদ্যের অংশকে পড়ে নিজের ভাষায় লেখা
৪. বাক্যে নানারকম ভুল সংশোধন
৫. বাক্যে পদবিন্যাস
৬. প্রদত্ত শব্দের সাহায্যে বাক্যরচনা
৭. শব্দার্থ
৮. বিপরীতার্থক শব্দ
৯. বানান
১০. বোধ পরীক্ষণ
১১. হাতের লেখা
১২. বর্ণ পরিচয়, (যুক্তব্যঞ্জন সহ)
১৩. বর্ণ বিশ্লেষণ
১৪. পদ পরিচয়
১৫. এককথায় লেখা
১৬. পদান্তর
১৭. সমোচ্চারিত ভিন্ন অর্থবোধক শব্দ
১৮. প্রতিশব্দ বা সমার্থক শব্দ
১৯. সূত্রসহ স্বরসন্ধি
২০. লিঙ্গ, বচন, পুরুষ
২১. সাধু ও চলিত ভাষা
২২. যতিচিহ্ন
২৩. শব্দের বিশিষ্টার্থে প্রয়োগ
২৪. স্বচ্ছন্দ রচনা

সহায়ক পুস্তক : চতুর্থ বা পঞ্চম শ্রণির পাঠ্য যে কোনো বই

১২৬০ সালের ৮ই পৌষ, বৃহস্পতিবার, কৃষ্ণা সপ্তমীর সন্ধ্যার একটু পরে রামচন্দ্র মুখোপাধ্যায় ও শ্যামাসুন্দরীর ঘরে তিনি এলেন । জয়রামবাটিতে বৈকুণ্ঠ থেকে লক্ষ্মী এলেন । রামচন্দ্র শিহড় গ্রামের হরিপ্রসাদ মজুমদারের কন্যাকে বিয়ে করেন । শিহড়ে ঠাকুর দেখে ফেরার সময় শৌচে গেলে পাশের গাছ থেকে লাল চেলি পরা এক পাঁচ বছরের সুন্দরী মেয়ে শ্যামাসুন্দরীর গলা পিছন দিক থেকে জড়িয়ে ধরে বলে, ‘আমি তোমার ঘরে এলাম মা’ । এই হল তাঁর জন্ম বৃত্তান্ত । তাঁর জন্মের পরও ঐ ব্রাহ্মণ দম্পতির এক কন্যা ও পাঁচ পুত্রের জন্ম হয় ।

উপরের অংশটি পড়ে নিচের প্রশ্নগুলির উত্তর দাওঃ-

1. কার জন্ম বৃত্তান্তের কথা বলা হয়েছে ? ১
2. কোন্ জেলায় তাঁর জন্ম হয় ? ১
3. হরিপ্রসাদ মজুমদারের কন্যার নাম কী? ১
4. রামচন্দ্রের শ্বশুরবাড়ি কোথায় ? ১
5. ব্রাহ্মণ দম্পতির মোট কটি সন্তান ? ১
6. বাক্য রচনা করোঃ- প্রাতিষ্ঠানিক, প্রবৃত্ত ২
7. বাক্যের ভুল সংশোধন করে বাক্য দুটি আবার লেখঃ- ২
ক) খাঁটি গরুর দুধ স্বাস্থ্যের পক্ষে ভালো ।
খ) শ্মশানে শব পোড়ানো হয় ।
8. শুদ্ধ বানানটি বেছে লেখোঃ- ০.৫ × ৪ = ২
ক) মহত্ব/মহত্ত্ব, দুর্বিসহ/দুর্বিষহ, গীতাঞ্জলী/গীতাঞ্জলি, দুর্গা/দুর্গা
9. পদান্তর করোঃ- ০.৫ × ৪ = ২
সমসময়, মধু, ঋষি, আরণ্য
10. বাক্যটিতে পদবিন্যাস করোঃ- ১
মা আমি সকলের মা
11. সন্ধিবিচ্ছেদ করোঃ- ০.৫ × ৪ = ২
অরণ্য, নয়ন, মাধ্যাকর্ষণ, নাতিশীতোষ্ণ
12. শব্দার্থ লেখোঃ- ২
বল্মীক, দুর্মূল্য

13. অর্থ-পার্থক্য লেখোঃ- ২
উহ্য/উহ্য, মেদ/মেধ
14. এককথায় লেখোঃ- ২
যে নিজেকে পণ্ডিত মনে করে, যা উচ্চারণ করা কঠিন
15. বর্ণ বিশ্লেষণ করোঃ- ০.৫ × ২ = ১
চতুর্বর্গ, ব্রহ্মজ্ঞ
16. বিপরীতার্থক শব্দ লেখোঃ- ০.৫ × ৪ = ২
উগ্ধ, মানুষিক, কৃতাজ্জলি, সখ্য
17. প্রতিটি শব্দ দুটি অর্থে বাক্যে প্রয়োগ করোঃ- ২
পাটঃ ১
২
হারঃ ১
২
18. সংজ্ঞা ও উদাহরণ দাওঃ- ১.৫ × ২ = ৩
পদ, শব্দ
19. 'কি' ও 'কী' এর মধ্যে পার্থক্য লেখোঃ- ২
20. স্বরধ্বনি ও ব্যঞ্জনধ্বনির সংখ্যা যথাক্রমে লেখোঃ- ২
21. গদ্যরূপ লেখোঃ- গর্জিয়া উঠি কহিলা ব্রাহ্মণ ২
22. চলিত গদ্যে লেখোঃ- ২
মধ্যাহ্নসময়ে তাহার সহিত সাক্ষাৎ হইল । আমি তাহাকে মদীয় গৃহে আনিয়া পরম যত্নে
খাইতে দিলাম ।
23. 'গৃহে প্রথম শিশু শিক্ষা'
গৃহেই শিশু প্রথম শিক্ষালাভ করে । তোমার পিতামাতা তোমাকে কী কী সদৃশ গুণ কীভাবে
শিখিয়েছেন লেখো । ৭

অথবা

'গাছ লাগান, প্রাণ বাঁচান' – এই বিষয়ে তোমার মতামত ব্যক্ত করো । ৭

Class V (English Medium)

Hindi

(Syllabus)

(१) काव्य / गद्य पर आधारित बोधमूलक प्रश्न। (२) वर्ण परिचय। (३) शब्द / अर्थ और प्रयोग। (४) शब्द-समूहों के लिये एक शब्द। (५) पर्यायवाची शब्द। (६) विपरीतार्थक शब्द। (७) मुहावरे और उनका प्रयोग। (८) लिंग। (९) वचन। (१०) वर्तनी। (११) पद परिचय और उसका विन्यास। (१२) अनुच्छेद लेखन। (१३) वाक्यों का रूपान्तर। (१४) उद्देश्य-विधेय। (१५) पत्र लेखन। (१६) संज्ञा, सर्वनाम, क्रिया और विशेषण। (१७) विभिन्न विषयों पर आधारित सामान्य ज्ञान। (१८) कहानी लेखन। (१९) अंग्रेजी से हिन्दी में अनुवाद। (२०) चतुर्थ / पंचम श्रेणी के उपयुक्त अन्य विषयवस्तु।

(Sample Question Paper)

Time: 45 minutes

F.M. 45

- १। अपनी स्मृति से किसी हिन्दी कविता की आठ पंक्तियाँ लिखो।
- २। निम्नलिखित शब्दों के अर्थ लिखकर वाक्य बनाओ :
- साधु, वीर, विनय, भवन, एकता, दीन, मीन।
- ३। निम्नलिखित मुहावरों के अर्थ लिखकर अपने वाक्यों में प्रयोग करो :
- बाल-बाल बचना, बाल की खाल निकालना, खालाजी का घर, राग अलापना, नौ-दो ग्यारह होना, अपनी खिचड़ी अलग पकाना।
- ४। पद्यांश को पढ़कर नीचे लिखे प्रश्नों के उत्तर लिखो :
- ‘हम हैं ‘शिवा’ ‘प्रताप’ रोटियाँ
भले घास की खाएँगे।
मगर किसी जुल्मी के आगे
मस्तक नहीं झुकाएँगे।’
- (क) ‘हम’ का प्रयोग किसके लिए हुआ है? (ख) ‘शिवा’ और ‘प्रताप’ कौन थे? (ग) ‘जुल्मी’ का अर्थ लिखो। (घ) हमें ‘जुल्मी’ के आगे मस्तक क्यों नहीं झुकाना चाहिए?
- ५। पर्यायवाची शब्द लिखो :
- घर, फूल, गंगा, कमल, शिव, गाय, चोर।
- ६। वर्तनी शुद्ध कर शब्दों को पुनः लिखो :
- पथय, परकोप, दुध, तिन, कलयाण, सांधू।

७। अर्थ स्पष्ट करो :

दिन---दीन, कवि---कपी, चीर---चिर, अधम---अधर्म, प्रणाम---प्रमाण।

८। वचन परिवर्तन करो :

चिड़िया, लता, रात, नीति, चूहा, धेनु, अभिभावक।

९। पदों को यथास्थान लिखो :

(क) मेरा नरेन्द्रपुर है घर में। (ख) उड़ी पंजों लेकर चील चूहे को में।

१०। संज्ञा किसे कहते हैं? इसके भेदों को उदाहरण के साथ लिखो।

११। 'दुर्गापूजा' के अवसर पर मित्र को आमंत्रित करते हुए एक पत्र लिखो।

१२। किसी एक विषय पर अनुच्छेद लिखो :

गाय, फलों का राजा---आम, भूगर्भ रेल, माँ सारदा।

१३। निम्नलिखित संकेतों के आधार पर कहानी लिखो :

प्यासा कौआ---पानी की खोज में भटकना---घड़ा देखना---घड़े में कंकड़ डालना---पानी का ऊपर आना---
प्यास बुझाना---उड़ जाना।

Class V (English Medium)

English (Syllabus)

1. Spellings of words
2. Sentences, Subject, Predicate etc.
3. Arrangement of words to make sentences
4. Making sentences with given words
5. Parts of Speech
6. Kinds of Nouns
7. Number
8. Gender
9. Degrees of Comparison of Adjectives
10. Adverbs and their uses
11. Tenses and their uses, Sequence of Tense
12. Appropriate use of Articles and Prepositions
13. Agreement of the Verb with the Subject
14. Concept of Infinitives
15. Concept of Phrase
16. Change of sentences from/to Affirmative, Negative and Interrogative
17. Direct and Indirect Speech (Basic idea)
18. Active and Passive Voice (Elementary)
19. Use of Punctuations
20. Framing 'Wh' questions
21. Use of Simple Suffixes and Prefixes
22. Use of Simple Idioms
23. Correction of sentences with common errors
24. Vocabulary Test: Synonyms, Antonyms, Homonyms, Homophones, Sound words, one-word substitution and Formation of words from given clues
25. Comprehension Test
26. Paragraph Writing

English

(Sample Question Paper)

Time: 45 minutes

F.M. 45

1. Go through the following passage quickly and carefully.

One of the most unforgettable sounds of the Central American jungle is the loud, sorrowful, cry of the monkeys which live in the leafy tops of the trees. In 1948 people living at the edge of the jungle in the lower part of Panama were made uneasy by a strange silence; the monkeys had stopped crying. The effect was as strange as complete silence in the middle of New York City. Hunters, nervously going into the silent forest, did not see any monkeys in the trees, but brought out the bodies of a few dead ones they had found lying on the ground. Then it was not only the people of Panama who were touched by fear at the silence that had settled over the jungle, fear was felt far away in Washington and Geneva. For when monkeys die in the deep jungle in large numbers, something is very wrong. It usually means that yellow fever, one of the six great killers of human beings, will soon attack and destroy the lives of the people living nearby and then spread far and wide.

Now answer the following questions.

$\frac{1}{2} \times 5 = 2.5$

- i) Put a tick (✓) mark on the right alternative.
- a) Panama is situated
- near Washington.
 - in Central America.
 - in New York City.
- b) There was silence in the jungle of Panama because
- the hunters were nervous.
 - the people of Panama were afraid.
 - the monkeys were dying and had stopped crying.
- c) Monkeys dying in the jungle meant that
- there were many hunters.
 - the leafy tops of the trees in the jungle were poisonous.
 - there was an outbreak of yellow fever.

d) The number of diseases that destroy the largest number of human lives, apart from yellow fever is

- five.
- six.
- one thousand nine hundred and forty eight.

e) The silence in the jungle was something

- usual.
- unusual.
- very wrong.

ii) Some of the statements below are True and some are False. Write 'T' and 'F' accordingly in the boxes on the right. $\frac{1}{2} \times 5 = 2.5$

- a) The middle of the New York City is very quiet.
- b) Monkeys dying in the large numbers may be a sign of an imminent outbreak of yellow fever.
- c) The cry of the monkeys is loud and sorrowful because they have yellow fever.
- d) Yellow fever is a fatal disease.
- e) The dead bodies of monkeys were found on the leafy tops of trees.

iii) Pick out phrases from the passage which mean $1 \times 2 = 2$

- a) near the border: _____
- b) terrified: _____

iv) Pick out words from the passage opposite in meaning to $1 \times 2 = 2$

- a) cheerful: _____
- b) silent: _____

v) Give a suitable title to the given passage. 1

2. Do as directed.

1 x 7 = 7

- i) They while away their evenings with books and games. [Name the part of speech of the underlined word.]
- ii) I as well as you _____ (am/is/are) responsible for our losses. [Fill in the blank with one of the words given in the bracket.]
- iii) I _____ my dinner before I went to bed. (had/have had/had had) [Choose the correct alternative from those given in the bracket and fill in the blank.]
- iv) It is not fair for him to be permanently _____ to someone who has hurt him. [Add both a prefix and a suffix to the word friend to fill in the blank.]
- v) He is fair and square in his dealings. [Give the meaning of the underlined idiom.]
- vi) A person in charge of a museum: _____ [Give a single word.]
- vii) The machines are inspected twice _____. [Use the adverb form of the word day to fill in the blank.]

3. Attempt the following questions.

1 x 20 = 20

- i) Separate the Subject and the Predicate.
On the top of the hill lives a hermit.
- ii) Write out the sentence again with 'a' or 'an' in the right places.
You need pen and paper to write letter.
- iii) Rewrite the sentence changing the Gender of each noun.
My aunt chased the fox when it tried to steal a hen.
- iv) Change into Plural Number.
The thief hides behind the bush and watches the baby.
- v) Put the words in the correct order to make a question.
plant/carefully/you/after/look/do/have/to/this/very ?

- vi) Pick out the wrong spellings and write them down correctly.
Skilful, Repetation, Privilege, Defination
- vii) Turn the sentence into Present Perfect Tense.
John was not absent from school.
- viii) Turn into Comparative Degree.
Maruti is one of the most popular car brands.
- ix) Fill in the blanks with appropriate prepositions.
I disagreed _____ him _____ that point.
- x) Combine into a single sentence using an Infinitive.
I shall never do it again. I am determined.
- xi) Pick out the Nouns and say whether they are Common, Proper, Collective or Abstract.
Ladies and gentleman of the jury, have you reached a verdict ?
- xii) Make a sentence of your own with each word to bring out the difference in meaning.
Alter:
Altar:
- xiii) Correct this sentence.
This is more preferable than that.
- xiv) Turn into Indirect Speech.
Mum said, "Peter, don't tell lies."
- xv) Rewrite the sentence so that it begins with the word It.
To hear your voice was good.
- xvi) Change into Passive Voice.
I know him.
- xvii) Make the sentence Affirmative.
No sooner did the teacher come than the boys stood up.

xviii) Ask a question to get the following answer.

I woke up at 6:00 a.m.

xix) Fill in the blank putting the correct form of the verb in the bracket.

Sorry about the mess. This part of the house _____ (renovate) at present.

xx) Punctuate using capital letters where necessary.

jack said the teacher is a hardworking student

4. The platform in a railway station presents a wonderful opportunity to observe human behaviour. Describe your experience when you were early for a train and had to spend some time in the platform (in about 120 words).

Class V (English Medium)

Arithmetic

(Syllabus)

1. Writing in words, in figures
2. Simplification (with brackets)
3. Number system (Prime numbers, Composite numbers, Odd numbers, Even numbers, Mutually Prime numbers, Formation of least and greatest numbers with some given digits, Multiples, Factors, Divisibility rules of 2, 3, 4, 5, 6, 9 and 11)
4. Sums on four rules (addition, subtraction, multiplication and division)
5. Problems on years, months, weeks, days, hours, minutes and seconds
6. Sums on four rules and related simple problems in case of vulgar and decimal fractions
7. Metric system, Rupees and Paise, Conversion from one stage to another and related problems
8. Average, Unitary method (Direct and Inverse Relation)
9. Squares and Square Roots of perfect square whole numbers
10. Problems on perimeter and area of square and rectangle
11. H. C. F. and L. C. M. including simple problems
12. Percentage and Ratio
13. Sums of simple series
14. Idea of household accounts
15. Aptitude test on Mathematics
16. Idea of point, line, surface, plane figure (Triangles, Quadrilaterals, Circles) and solid objects (Cuboid, Prism, Pyramid, Cone, Right Circular Cylinder, Sphere)

Help Book—Any book prescribed for class IV/V standard

Arithmetic

(Sample Question Paper)

Time: 45 minutes

F.M. 45

1. Answer the following questions:

5x1=5

- i) What will be the difference between the largest and smallest number formed by using all the digit 0,9,5,7 once only ?
- ii) Ratio of work efficiency of A and B is 3:2, then the ratio of time required to complete a piece of work is _____. (Fill in the blank)
- iii) What will be the 10th term in the following sequence ?
37, 38, 36, 39, 35, 40, 34
- iv) The supplementary angle of complementary angle of 72° is
a) 18° b) 108° c) 72° d) 162°
- v) If we divide the L.C.M. of first 5 prime members by their product, what will be the quotient ?

2. Answer the following questions:

5x2=10

- i) If two angles of a triangle be 40° and 70°, then with respect to sides what type of triangle it will be ?
- ii) Find the difference between 8 groups 7 and 13 groups 11.
- iii) I travel a distance of 10 km and come back in $2\frac{2}{3}$ hours. What is my speed ?
- iv) $\frac{2}{5}$ part of 50% of a number is 10. Find the number.
- v) Find the product of the number of surfaces of a cuboid, a cone and a tetrahedron

3. Answer the following questions:

5x3=15

- i) If 23rd July, 2021 is Friday. Find the day on 15th August, 2022.
- ii) Simplify: 0.12 of (0.104 – 0.01) + $\frac{1}{2}$ of $\frac{9}{25}$
- iii) Find the average of the squares of multiples of 3 less than 10. Hence find the largest prime factor of the average.
- iv) The population of a city is 150000. If the annual birth rate of that city be 3 in every 75 persons and the annual death rate be 1 in every 40 persons, what will be the population after one year ?
- v) A man starts to drive 3 km in the direction of east, then he takes left turn and goes 15 Hm., then take three successive right turns after 350 Dm., 45 Hm., 50m. and 6.5 km. respectively. Find his final position with respect to the starting point.

4. Answer the following questions

3x5=15

- i) Find the greatest number of four digits which when added to 273, the sum will be divisible by 2, 4, 12, 16, 24, 32.
- ii) Ramu bought 100 eggs for Rs. 500. Out of these, 4 eggs were found to be broken. He sold the remaining eggs at the rate of Rs. 85 per dozen. Find his gain or loss percentage.
- iii) A piece of wire is used to make 4 rectangles, each of length 8 cm. and breadth 4 cm. If it is reshaped to form six squares, what would be the side of each square ?

(Additional Questions)

1. Fill in the blanks :

- i) $20 \cdot 608 \text{ dm.} = \text{--- Dm.}$
- ii) $5 \text{ Kg. } 5\text{gm.} = \text{--- Hg.}$
- iii) $\text{Rs. } 8 \text{ and } 8 \text{ paise} = \text{Rs. --- .}$
- iv) $\text{Rs. } 12 \div 10 \text{ paise} = \text{--- .}$
- v) $0.3 \times 0.3 \times \text{---} = 0.9.$
- vi) 5 is a --- of 35.
- vii) Average of the first 10 natural numbers is --- .
- viii) 2 years 6 months 10 days = --- months.
- ix) $3 \text{ sq.m. } 5 \text{ sq.cm.} = \text{--- sq.dm.}$
- x) --- is the number in between 40 and 50 which is divisible by 21.
- xi) What is the sixth number of the series : 11, 22, 33, ?
- xii) What is the ninth number of the series : 4, 9, 15, 22, 30, 39, ?
- xiii) Find the value of $\sqrt{92 + \sqrt{52 + \sqrt{144}}}$.
- xiv) Find the sum of : $1+3+5+7+\dots\dots+19.$
- xv) Express $33\frac{1}{3}\%$ as a simple fraction.
- xvi) Write the simplest form of 1.21 kg : 220 gm.

2. Write 'Yes' or 'No'.

- i) The year 1900 is a leap-year. ()
- ii) Every number is its multiple and factor. ()
- iii) Fundamental unit of length is Kilometre. ()
- iv) 5 sq. metre = 5 metre square. ()
- v) 7 men can do a work in 7 days; then 1 man can do the same work in 1 day. ()

3. i) The cost of 2 m. tape is 75 paise in one shop and that of 3 m. tape is Rs. 1.12 in another shop. In which shop the rate is cheaper ?
- ii) Beside the road between Narendrapur and Garia 49 trees are planted at a gap of 250 m., two trees are planted at the two ends. What is the distance between the two places ?
- iii) Find the sum of the factors of 24 ?
- iv) In how many ways 99 can be expressed as the product of two whole numbers ?
- v) By what prime numbers 149 be divided to leave remainder 6 in each case ?
- vi) H. C. F. of two numbers is 6 and their L. C. M. is 72. Find the numbers.
- vii) You get Rs. 56 in equal numbers of 1 rupee, 50 P. and 25 P. coins. How many of each coin have you got ?
- viii) If $4.5504 \div 2.88 = 1.58$, then find the quotient of $0.45504 \div 0.288$.
- ix) Monthly income of a man is Rs. 210. He spends in 7 days what he earns in 5 days. In how many days he will save Rs. 100 ?
- x) Average marks of mathematics in the annual examination of three boys is 82. If the first boy gets 12 marks more and the second boy gets 6 marks less than the marks of third boy, then what will be the mark in mathematics of the third boy ?
4. Simplify :
- a) $28 \times 24 \times 18 \div 9 \div 12 \div 14 \div 8 \times 16$
- b) $100 \div [12 + 4\{20 - 24 \div 2(10 - 4 \times 2) \times 3\}]$
- c) $2 \div [2 + 2 \div \{2 + 2 \div (2 + 2 \div 4)\}]$

d) $7 \div 15 \times 90 \div 14 \times 12 - 54 \times 16 \div 18 + 10 + 8$

e) $1 \div [1 + 1 \div \{1 + 1 \div (1 + 1 \div 2)\}]$

5. Average of 5 consecutive numbers is 15, find the numbers.
6. The average weight of 4 boys is 42 Kg. The weight of the first, second and third boys are 2 Kg. less, 5 Kg. more and 1 Kg. less than the weight of the fourth boy. Find the weight of the fourth boy.
7. Find the perimeter of a square equal in area to two squares whose sides are 8 m. and 15 m. respectively in length.
8. Perimeter of a rectangular field is 150 m. and its length is 4 times its breadth. Find the area of the field in areas.
9. The H. C. F. and L. C. M. of two numbers are 8 and 720 respectively; if one of the numbers is 80, what is the other ?
10. From what sum must a fourth of it be removed so that if Rs. 5 is spent from a third of the rest an amount of Rs. 10 still remains ?
11. A man gave $\frac{1}{9}$ of his savings to each of his 3 sons and $\frac{1}{8}$ of his savings to each of his 2 daughters and the remaining part to his wife. If his wife gets Rs. 11000 more than each daughter, how much did he save ?
12. A number when divided by 6, 8 or 9 will leave a remainder of 3 in each case, but is exactly divisible by 7. Find the number.
13. 24 Himalayan explorers had provisions for 30 days; after 5 days 4 of them died of frost bite. How long will the remaining food last?

14. A basket of oranges was bought for the refreshment of the examinees. It was found at the time of distribution that, if each boy is given 3 oranges, 10 oranges are left, but if each be given 4 oranges, 20 oranges fall short. How many candidates and how many oranges were there ?
15. A and B are together 19 years 3 months 18 days old, B and C are together 19 years 1 month 3 days old, and A and C are together 18 years 1 month 25 days old. How old is A ?
16. B has Rs. 44 more than what A has. If B gives Rs. 75 to A, how many rupees will A have more than B.
17. The average age for 6 children is 35 months. If none is less than 30 months old, then what is the maximum possible age for any one child ?
- a) 60
 - b) 55
 - c) 50
 - d) 45
 - e) 65
18. Study the first two examples carefully. Find out the rule and apply the same in the third case to get the solution.
- a) If $4 A 6=28$
and $8 A 9=80$
then $10 A 10= ?$
 - b) If $5 B 10=1$
and $10 B 30=2$
then $20 B 80= ?$
 - c) If $3 D 3=27$
and $5 D 5=125$
then $10 D 10= ?$

19. If a clock strikes once at 1 o'clock, twice at 2 o'clock, etc.; how many times will it strike in 24 hours ?
20. How much smaller is $1\frac{9999}{111111}$ than 2 ?
21. On a rainy day 882 students attended a school. They were 75% of the total students of the school. Find the total number of students of the school.
22. Annual income of a person is 75000. Ratio of his income and expenditure is 25 : 21. Find his annual savings.
23. Determine how many 3 digit numbers can be formed with the digits 1, 2, 3. Find also the sum of all those numbers.
24. A, B and C had their meal together. A had 4 breads, B had 3 breads but C had no bread. They ate dividing those breads equally. After that C gave totally Rs. 7 to others. Find the shares of A and B.
25. i) Write the geometric name of the solid objects which have no vertices.
ii) Write differences between a square and a rectangle.
iii) Write difference between a circle and a sphere.
iv) Find the total number of straight lines formed by any two of the four points, of which any three points are non-collinear.
v) Define : Equilateral triangle; Trapezium; Pyramid.
vi) Draw the figure of (a) circle; (b) sphere.
vii) Name the plane figure(s) obtained from different solid objects.