

## English

#### Unit 6

## Sir Lawley's Ghost

## (Asha Nehemiah)

- 1. Why was Lawley's Boarding school an ideal place for a ghost?
- 2. 'Or this ridiculous tale about the invisible ghost...' Why did the speaker feel that it was a ridiculous tale?
- 3. Why was Rustom scared when he discovered the cause of footsteps?
- 4 How did the matron get to know that Arjun had smeared red ink on his pillow?
- 5. Why did everyone think that Arjun was crazy?

## The Clothes Line

- 1. What is described in the poem?
- 2. What is the subject of the poem?
- 3. Make a list of things the poet compares the clothes to?
- 4. In what way do the clothes resemble witches?
- 5. Which item of clothing flew like a bird? What happened to it?

## Unit -7

## **Raoul the Owl**

- 1. Why did Raoul refuse to eat a mouse offered by his mother?
- 2. What miraculous change came in Raoul's life by changing his habits?
- 'Oh, please Mr. Hawk, let me go!" squeaked the sad little mouse holding his little hands together.
- i) Why did the mouse address the creature as Mr. Hawk?
- ii) Who was the mouse actually speaking to?
- iii) What had Mr. Hawk done to the sad mouse?

- 4. "Now don't be hasty" why did Betram addressed Raoul as being hasty?
- 5. What solution did Betram give to Raoul when he said he could not see too well under the bright sun?

#### Unit - 8

#### **Grandpa's Tree**

- 1. What does Erik's mother wanted to do?
- 2. What happened to Erik?
- 3. Why did Erik decide to climb the tree?
- 4. Was Erik alive when grandpa planted the Oak tree? How can you tell?
- 5. What was Erik looking for when he rolled over to the bottom of the tree?

#### Ice Golawala

- 1. Who is the speaker of the poem?
- 2. What is the poem about?
- 3. From where did the poet save paise for Ice-gola?

### Unit - 9

### My Life

- 1. Where did Abdul Kalam do his primary schooling?
- 2. Who was Kalam's best friend? What all did he say about their friendship in the lesson?
- 3. How were the birds able to fly in the direction they wanted to?
- 4. How could their teacher Sivasubramania Iyer explain his students about the engine that powers each bird?
- 5. What did prompt Abdul Kalam to decide his career path?
- 6. Where did he shift his schooling to, at the age of fifteen?

#### Answer Key

### Unit 6 Sir Lawley's Ghost

- 1. The school was old and the dormitories were full of eerie shadows.
- 2. The speaker felt so because he did not believe that ghosts existed.
- 3. Rustom was scared because he thought he had actually seen a ghost.
- 4. She came to know this because she read the name marked on the pillow.
- 5. Everyone thought that Arjun was crazy because he was the only one out of 500 students in the boarding school who said that he did not believe in ghosts.

#### The Clothes Line

- 1. The clothes are described in the poem.
- 2. Specifically it is about a handkerchief of the poetess that blows away and is lost.
- 3. The following is a list of things the poetess compares the clothes to:like fluttering creatures, white as snow, like restive horses, like fairytale witches, like a flying bird, like a sail in the sun.
- 4. According to the poetess the clothes resemble witches in the way they dance wildly.
- 5. The poetess's handkerchief flew like a bird. It danced excitedly, and struggled till it was free, then leaving pegs and clothes line behind, if flew like a bird and no one can find it. The poetess guesses that the handkerchief may be in some ditch or drowned in the sea.

#### Unit -7

## **Raoul the Owl**

- 1. Raoul refused to eat a mouse offered by his mother because recently he had befriended another mouse who had provided him a good company and bird seeds. So he could not think of eating any other mouse.
- 2. When Raoul decided to sleep at night and wake up in the morning, he discovered he could see in the day light and started enjoying the beauty of the sky, meadows, forest and green full of flowers.
- 3.i) Since owls are not seen at daytime, the mouse, from a distance, thought the bird to be a hawk.
- ii) The mouse whose name Betram was actually speaking to Raoul whom he had mistaken for a hawk.
- iii) The hungry Raoul had attacked the mouse with an intention to eat him.
- 4. After a day in the sun, Raoul started feeling that he was not able to see clearly. This was considered hasty by Betram.
- 5. Betram arranged a pair of toy sunglasses to protect Raoul from the glare of the sun.

### Unit - 8

## **Grandpa's Tree**

- 1. Erik's mother wanted to cut the tree.
- 2. Eric's leg got injured.
- 3. Erik decided to climb the tree because he did not want the men to cut it.
- No, Erik was not alive because his grandfather planted the Oak tree 30 years ago.
- 5. Erik was looking for a peg in the tree, at the place where he usually started his climb.

### Ice Golawala

- 1. The speaker is a small child, may be a school going child.
- 2. The poem tells about the happiness that the Icegolawala brings during hot summer days. The poem gives a perfect decription of children's love for ice-creams and the joy it brings.
- 3. The poet saves paise from his bus fare.

# Unit - 9 My Life

- 1. Abdul Kalam did his primary schooling in Rameswaram Elementary school.
- 2. Ramanadha Sastry, was his best friend. They had known each other from the first day they came to school and been friends ever since. They never ran out of things to say to each other and do together.
- 3. They were able to fly in the direction they wanted by using both tail and wings.
- 4. He explained that each bird is powered by its own life force and motivation of what it wants.
- 5. Their teacher's real teaching by taking them to seashore and explaining the concept of flight dynamics in birds made him to decide his career path.
- 6. He decided to move to the Schwartz High School in Ramanathapram at the age of fifteen to achieve his goal.

#### പാഠം 9

#### പുതിയ കാട്ടാളൻ

- കുട്ടന്റെ മാമൻ ടൗണിൽ നിന്നും കൊണ്ടുവന്ന സൂത്രത്തിന്റെ പേരെന്ത്?
- 2. പാമ്പിനെ കൊന്നാൽ എന്താണെന്നാണ് പൊന്നുവിന്റെ അച്ഛമ്മ പറഞ്ഞത്?
- 3. തെങ്ങിന്റെ ഓലയിൽ കുട്ടൻ എന്താണ് ഉന്നം വെച്ചത്?
- 4. ആരാണ് കുട്ടികളെ ഉപദേശിച്ചത്?
- 5. ഈ കഥയുടെ ഗുണപാഠം എന്ത്?
- 'പുതിയ കാട്ടാളൻ' എഴുതിയതാര്?

#### പാഠം 10

#### കാവ്യകൈരളി

- തുഞ്ചൻ പോറ്റിയതെന്താണ്?
- 2. തുഞ്ചൻ എന്നത് ആരാണ്?
- തുള്ളൽ പ്രസ്ഥാനത്തിന്റെ ഉപജ്ഞാതാവ്?
- 4. 'കൃഷ്ണപ്പാട്ട്' ആരെഴുതിയതാണ്?
- 5. പൂന്താനത്തിന്റെ പ്രധാന കൃതി ഏത്?
- 6. വഞ്ചിപ്പാട്ടിന്റെ ആവിഷ്കർത്താവ്?
- 7. ആശയഗാംഭീര്യൻ എന്നറിയപ്പെടുന്ന കവി.
- 8. 'രമണൻ' എഴുതിയതാരാണ്?
- 9. 'ഓടക്കുഴൽ' എന്ന കാവ്യസമാഹാരം ആരുടേതാണ്?
- 10. ഭാരതീയ ജ്ഞാനപീഠം അവാർഡ് ലഭിച്ച മലയാള കവിത ഏത്?
- 11. 'പൂരം' എന്ന കവിതയുടെ രചയിതാവ് ആര്?

#### പാഠാ 6

#### മാൻമാർക്ക് കുട

- 1. വി.ടി.യെ അക്ഷരലോകത്തെത്തിച്ചത് ആര്?
- പെൺകുട്ടി തന്റെ സഞ്ചിയിൽ നിന്ന് എന്താണ് പുറത്തെടുത്തത്?
- 3. ഏത് ദിവസമാണ് വിദ്യാരംഭം നടത്തുന്നത്?
- 4. വി.ടി. യ്ക്ക് മണലിൽ എന്താണ് കുത്തിവരയ്ക്കേണ്ടി വന്നത്?

- 5. വി.ടി. ആരുടെ ശിഷ്യത്വമാണ് സ്വീകരിച്ചത്?
- 6. വി.ടി ആദ്യമായി സ്വയം വായിച്ച പദങ്ങൾ ഏവ?
- 7. 'മാൻമാർക്ക് കുട' എന്ന പാഠഭാഗം ഏത് പുസ്തകത്തിൽ നിന്നുള്ളതാണ്?
- 8. വി.ടി. യുടെ ആത്മകഥയുടെ പേര് ?

#### പാഠം 12

#### ക്ലിന്റിന് സ്നേഹപൂർവ്വം

- ഏഴുവയസ്സെത്തും മുൻപ് ഇരുപത്തിനാലായിരത്തിലധികം ചിത്രങ്ങൾ സമ്മാ നിച്ചു പോയ അത്ഭുതബാലൻ ആര്?
- 2. ക്ലിന്റിന്റെ ജനനം?
- ക്ലിന്റിന്റെ മാതാപിതാക്കൾ ആരായിരുന്നു?
- 4. മൂന്നാമത്തെ വയസ്സിൽ എന്താണ് ക്ലിന്റിന് സംഭവിച്ചത്?
- 5. ക്ലിന്റ് ഏറ്റവും കൂടുതൽ സമയം ചിലവാക്കിയിരുന്നത് എന്തിനാണ്?
- 6. എന്ത് ആഹാരമാണ് ക്ലിന്റിന് പ്രിയപ്പെട്ടത്?
- ക്ലിന്റിന് അഖിലകേരള ചിത്രരചനാ മത്സരത്തിൽ ഒന്നാം സമ്മാനം നേടി ക്കൊടുത്ത ചിത്രം ഏത്?
- 8. ക്ലിന്റ് സ്വർഗത്തിലേക്ക് പറന്നുപോയതെന്ന്?
- 9. പ്രസ്തുത പാഠഭാഗം ഏത് പുസ്തകത്തിൽ നിന്നും എടുത്തതാണ്?
- 10. ഇതിന്റെ രചയിതാവ്?

#### പാഠാ 13

#### ആറ്റുമണമ്മേലെ ഉണ്ണിയാർച്ച

- വടക്കൻ കേരളത്തിലെ ധീരമായ ഇതിഹാസം വിവരിക്കുന്ന പാട്ട് എങ്ങനെ അറിയപ്പെടുന്നു?
- 2. കേരളത്തിന്റെ സ്വന്തം ആയോധന കല ഏത്?
- എവിടെയാണ് കൂത്ത് നടക്കുന്നത്?
- 4. ആരാണ് കൂത്തിനും അയപ്പൻകാവിലെ വിളക്കിനും പോകുന്നത്?
- ഉണ്ണിയാർച്ച എന്താണ് നന്നായ് കുടഞ്ഞു കെട്ടിയത്?
- 6. ആരെയാണ് ഉണ്ണിയാർച്ച കൈവണങ്ങിയത്?
- 7. അരി എന്തിലെല്ലാം കഴുകിയാണ് ശുദ്ധി വരുത്തിയത്?

#### പാറം 15

#### മുത്തച്ഛനെ വിൽക്കാനുണ്ട്

- ഉത്പന്നങ്ങൾ വാങ്ങുന്നതും വിൽക്കുന്നതും ഇന്ന് എന്തിന്റെ അടിസ്ഥാന ത്തിലാണ്?
- 2. ആരാണ് സ്വയം വിൽപ്പനയ്ക്ക് പരസ്യം നൽകിയത്?
- 3. ഏത് പത്രത്തിലാണ് പരസ്യം നൽകിയത്?
- 4. ഇന്ത്യയിലെ ഏത് ദിനപ്പത്രത്തിലാണ് ഈ വാർത്ത പുനഃപ്രസിദ്ധീകരിച്ചത്?
- ബൈബിളിലെ ഏത് പുസ്തകത്തിലാണ് മാതാപിതാക്കളെയും വൃദ്ധരെയും പരിപാലിക്കേണ്ടതിനെ കുറിച്ച് വിശദീകരിക്കുന്നത്?
- 6. പ്രസ്തുത ലേഖനത്തിന്റെ രചയിതാവ് ആര്?

#### ഉത്തരങ്ങൾ

#### പാഠം 9 പുതിയ കാട്ടാളൻ

- 1. കേറ്റ് ഫൂൾ
- 2. സർപ്പദോഷം
- 3. പഞ്ചവർണതത്ത
- 4. കണ്ണന്റെ വല്യച്ചൻ
- 5. മനുഷ്യരോടെന്ന പോലെ പക്ഷിമൃഗാദികളോടും നന്മ കാണിക്കുക
- വിനോദ് കോവൂർ

#### പാഠാ 10

#### കാവ്യകൈരളി

- 1. ശാരിക (തത്ത)
- 2. തുഞ്ചത്ത് രാമാനുജൻ എഴുത്തച്ഛൻ
- 3. കുഞ്ചൻ നമ്പ്യാർ
- 4. ചെറുശ്ശേരി
- 5. ജ്ഞാനപ്പാന
- 6. രാമപുരത്തു വാര്യർ
- 7. കുമാരനാശാൻ

- 8. ചങ്ങമ്പുഴ കൃഷ്ണപിള്ള
- 9. ജി. ശങ്കരക്കുറുപ്പ്
- 10. ഓടക്കുഴൽ
- 11. സിപ്പി പള്ളിപ്പുറം

#### പാഠം 6

#### മാൻമാർക്ക് കുട

- തിയ്യാടി നമ്പ്യാരുടെ ചെറിയ പെൺകുട്ടി
- 2. ഒരു നോട്ടുപുസ്തകം
- 3. വിജയദശമി ദിവസം
- 4. ഹരിശ്രീ ഗണപതയേ നമഃ എന്ന്.
- 5. പത്തു വയസ്സിലേറെ പ്രായമാകാത്ത തിയ്യാടിപ്പെൺകുട്ടിയുടെ
- 6. 'മാൻമാർക്ക് കുട'
- വി.ടി. ഭട്ടതിരിപ്പാടിന്റെ 'കണ്ണീരും കിനാവും' എന്ന പുസ്തകത്തിൽ നിന്നു ള്ളത്.
- 8. കണ്ണീരും കിനാവും

#### പാറം 12

## ക്ലിന്റിന് സ്നേഹപൂർവ്വം

- എഡ്മണ്ട് തോമസ് ക്ലിന്റ്
- 2. 1976 മെയ് 19, ഇടപ്പള്ളിയിൽ
- 3. അച്ഛൻ എം.ടി. ജോസഫ്, അമ്മ ചിന്നമ്മ
- 4. വൃക്കരോഗം
- 5. ചിത്രരചനയ്ക്ക്
- 6. മാംസാഹാരം
- 7. പൂരാ
- 8. 1983 ഏപ്രിൽ 14
- 9. നാടൻപാട്ടിൽ നിന്ന് നാടകത്തിലേക്ക്
- 10. ഡോ. എഴുമറ്റൂർ രാജരാജവർമ്മ

#### പാറം 13

#### ആറ്റുമണമ്മേലെ ഉണ്ണിയാർച്ച

- 1. വടക്കൻപാട്ട്
- 2. കളരിപ്പയറ്റ്
- 3. അല്ലിമലർക്കാവിൽ
- 4. അയലത്തെ പെണ്ണുങ്ങൾ
- 5. കാർകൂന്തൽ
- 6. സൂര്യഭഗവാനെ
- 7. നീറ്റിലും പാലിലും

#### പാറം 15

#### മുത്തച്ഛനെ വിൽക്കാനുണ്ട്

- 1. പരസ്യങ്ങളുടെ കാലം
- 2. ജോർജ്ജിയോ അംഗലോസി എന്ന എൺപതുകാരൻ
- 3. ഇറ്റലിയിലെ കൊരിയേറാ ദെല്ലാസേര
- 4. ഹിന്ദുദിനപത്രത്തിൽ
- 5. പുറപ്പാട്
- 6. ഡോ. <u>ഇ</u>.എം. തോമസ്

### HINDI

## पाट - 8

# दो सींग वाली परी

- I. एक शब्द में उत्तर लिखो।
- 1. किसकी कृपा से घर में पालतू पशु-पक्षियो की कमी नही रही?
- 2. बालक के जेब में क्या पडा था?
- 3. हाल ही में बालक ने किसकी कहानी पढी थी?
- 4. नीलम कहाँ सोती थी?
- 5. दो सींगवाली परी नामक कहानी का कहानीकार कौन है?
- II. किसने किससे कहा?
- 1. एक और आ गई? मैं तुम दोनों को कह-कहकर थक गई, पर मेरी कौत सुनता है?
- मैं जब मटर की क्यारियाँ ठीक कर रहा था तो नीलम ने आकर पीछे से मुझे अपने सींग मारे।

## पाट - 9

## इसे जगाओ

- I. एक शब्द में उत्तर लिखो।
- 1. 'आदमी को जगाने' केलिए कवि किससे कहता है?
- 2. क्षिप्र का मतलब क्या है?
- II. सही मिलान करो।
- 1. सूरज हिलाओ
- 2. पंछी जगाओ
- 3. पवन चिल्लाओ

#### पाठ - 11

#### यादों के झरोके से

- I. एक शब्द में उत्तर लिखो।
- 1. अब्दुल कलाम की माता का नाम क्या है?
- 2. समाज में आदर्श दंपती किसे माने जाते है?
- 3. रामेश्वरम मंदिर के प्रमुख पुजारी कौन थे?
- 4. अब्दुल कलाम के पिता के अभिन्न मित्र कौन थे?
- 5. अब्दुल कलाम किसे अपने आदर्श मानते थे?

## पाट - 13

### मूलमंत्र

- I. पूरा करो।
- 1. सफलता पाने केलिए ..... का मूलमंत्र जप लो।
- 2. मोती ..... में होते है।
- II. एक शब्द में उत्तर लिखो।
- 1. सफलता पाने केलिए हमें क्या करना चाहिए?
- 2. बिना ज्ञान पाए हम क्या नहीं कर सकते?

#### पाट - 14

#### तमिल नाडु

- I. एक शब्द में उत्तर लिखो।
- 1. तमिलनाडु के मूल निवासी कौन हैं?
- 2. तमिलनाडु को क्या कहा जाता है?
- 3. कंचनपुर का अधुनिक नाम क्या है?
- 4. तमिलनाडु के प्रसिद्ध धार्मिक स्थल कौन सा है?

5. तमिलनाडु के संत कवि कौन है?

6. भारतीय संस्कृति की झलक सबसे अधिक कहाँ दिखाई देती है?

# पाठ - 15 सुधा मूर्ति

#### I. पूरा करो।

- 1. कंपनी को ...... और ..... इंजीनियरों की आवश्यकता था।
- 2. सुधा मूर्ति ने अपनी उपलब्दियों से ..... का मार्ग प्रशस्त किया।
- 3. सुधा मूर्ति ने स्वयं को अब पूर्णरूप से ...... केलिए समर्पित कर दिया।

## II. एक शब्द में उत्तर लिखो।

- 1. टेल्को में इंजीनियर के पद पर नियुक्त प्रथम महिला इंजीनियर कौन थी?
- 2. सुधा कुलकर्णी का विवाह किसके साथ हुआ?
- 3. सुधा कुलकर्णी द्वारा खोली गई कंपनी का नाम क्या है?
- 4. सुधा मूर्ति कितने पुस्तक लेखे है?

#### Answer Key

### पाठ - 8 दो सींग वाली परी

- I.1. दादा जी
- 2. बिस्कुट
- 3. परियों
- 4. चारपाई के नीचे
- 5. रस्किन बांड
- Ⅱ.1. दादी जी बालक से
- 2. माली ने दादाजी से

## पाठ - 9 इसे जगाओ

<b>I.</b> 1.	सूरज	2. तेज़
1.1.	210	2. (19

II.1. सूरज - जगाओ

- 2. पंछी चिल्लाओ
- 3. पवन हिलाओ

## पाठ - 11 यादों के झरोके से

- I.1. आशियम्मा
- 2. कलाम के माता पिता
- 3. लक्ष्मण शास्त्री
- 4. लक्ष्मण शास्त्री
- 5. अयादुरै सोलोमन

#### पाठ - 13 मूलमंत्र

- I.1. मेहनत 2. सागर
- II.1. मेहनत 2. घर घर जोत नहीं जला सकते

### पाठ - 14 तमिल नाडु

- I.1. द्रविड़ 2. मंदिरों का राज्य
- कांचीपुराम
   कन्याकुमारी और रामेश्वरम
- 5. तिरुवल्लुवर 6. तमिलनाडु

## पाठ - 15 सुधा मूर्ति

- I.1. योग्य और परिश्रमी 2. महिलाओं 3. समाज सुधार
- **II.**1. सुधा मूर्ति 2. नारायण मूर्ति
- 3. इंफोसिस 4. तेरह

#### EVS

#### Lesson 11

### **Plant and Animal food**

#### I. Fill in the blanks

- 1. \_\_\_\_ prepares food in the fleshy stem.
- 2. Herbivores are <u>consumers</u>.
- 3. Green plants prepare their food by the process of \_\_\_\_\_.

### II. Give 2 examples

- 1. Herbivores
- 2. Carnivores
- 3. Omniverse
- 4. Scavengers
- 5. Parasite
- 6. Insectivorous plants

#### III. True or false

- 1. Insectivorous plants grow in soil which lacks nitrogen.
- 2. We get food from plants.
- 3. Extra food is stored in form of glucose in different parts of plants.
- 4. The pitcher plant is shaped like a jaw like leaf.

## Lesson 12

#### Shelter for everyone

#### I. Rewrite to make the sentence true

- 1. kachcha houses are common in towns.
- 2. Bungalows are built in area where it rains heavily.
- 3. People in Sumba island of Indonesia make houses from bricks and stones.

### II. Case study

In ant hills the queen ants lay eggs and worker ants look after the eggs and find food.

- 1. Are ants social being? give reason
- 2. What is the work of the queen .

## III. Match the following

- 1 Canvas a.heavy rainfall
- 2. stilt b.drones
- 3. male bees c.tent
- 4. houseboat d.house on wheels
- 5. Caravan e.lake

### Lesson 13

### In times of emergency

#### I. Name the following

- 1. Which natural disaster struck on 25th December 2004 in the countries bordering the Indian Ocean.\_\_\_\_\_
- 2. During cyclones people should regularly here the bulletins on\_\_\_
- 3. Which kit should be kept ready during all natural calamities.
- 4. Strong earthquakes or a volcanic eruption under the sea causes \_\_\_\_\_

### II. Case study

The clouds were furious and the winds crashed the neighbours fence. The wind was roaring creating damage . Weather bulletins were scrolling on the TV screen. The window breaks off the walls and falls on my leg.I was hurt .I saw my village flip a part.

- 1. Which type of natural disaster is mentioned in the passage.
- 2. How is the warning of the coming disaster informed to people.
- 3. What precaution should be taken for this disaster.

#### III. Write full forms of

NGO

UNDMT

#### IV. Case study

There was a fire out break in the nearby petrol pump. One of the staff was caught up in the fire.

- 1. What is the emergency number to be dialed during a fire out break.
- 2. What material is used to put out the fire and why
- 3. What first aid can be given to the staff caught in the fire.

#### Lesson 14

#### The story of water

#### I. Match the following

1.	Rajyon ki boali	a. Delhi
2.	Dada Hari boali	b. Gujarat
3.	Chand boali.	c Rajasthan
4.	watermills	d. Persian wheel
5.	Dead sea	e. Israel

**II. Classify into soluble and insoluble substances** Stone, milk, cotton clothes, coffee, petrol ,salt ,sand ,flour

#### III. Fill in the blanks

- Density of water can be increased by adding \_\_\_\_\_in water. 2.The heaveness or lightness of an object is called it \_\_\_\_
- 3. \_\_\_\_\_ is the main source of water.
- 4 \_\_\_\_\_ is a small wheel around which a rope can be moved.

## Lesson 15

## Aquatic Life

## I. Fill in the blanks

- 1. The male sea horse carries it's egg in its \_\_\_\_\_
- 2. —- is an organ through which some aquatic animals breathe.
- 3. \_\_\_\_\_is a tiny organism with a single cell.
- 4. Malaria is spread by female \_\_\_\_ mosquito.
- 5. \_\_\_\_\_ is one of the oldest living organisms on earth.
- 6. Water birds have \_\_\_\_\_ feet which helps in the swim
- 7. A dolphin breathe through nostrils called \_\_\_\_\_
- 8. \_\_\_\_\_ and \_\_\_\_\_ are aquatic mammals.

# II. Find Odd One

- 1. Chikungunya, cholera, malaria, dengue
- 2. Whales, dolphin, seals,goldfish
- 3. Crayfish, lobster, jellyfish barnacles

# III. Case study

Mohan was suffering from high fever and shivering when he came back from school. The class teacher informed that he vomitted twice at school. His mother to him to the doctor.

- 1. What did the doctor say Mohan was suffering from?
- 2. What were the symptoms? 3.which insect carries the disease causing germs?
- 4. Which type of germs cause the disease ?

## Lesson 16

# Fuels for vehicles

# I. Fill in the blanks

- 1. \_\_\_\_and\_\_\_are fossil fuels.
- 2. Neyveli is a \_\_\_\_ mining centre of India.

- 3. petroleum or mineral oil is known as \_\_\_\_\_
- 4. \_\_\_\_\_is obtained from oil field.

# **II.** Write full form LPG , CNG , ATF

#### **III.** Give two examples.

- 1. States in which coal mines are present-
- 2 Alternative fuels-
- 3. vehicles which use diesel-
- 4. vehicles which do not use fuels-
- 5. fossil fuels -
- 6. vehicles drawn by animals-

#### Answer key

#### Lesson 11 Plant and Animal food

- I. Cactus, primary, photosynthesis
- II 1. cow, goat
  - 2 lion,tiger
  - 3 Hyena, vulture
  - 4 Leeches ,roundworm
  - 5 Venus fly trap, sundew plant
- III. True, true ,false ,false

#### Lesson 12 Shelter for everyone

- I. Villages, stilts ,bamboo and grass
- II 1. yes ,because they live together in groups
  - 2. Qeenbee lays eggs
- III. 1 c 2a 3b 4e 5d

### Lesson 13 In times of emergency

#### I. Name the following

- I. Tsunami ,TV ,first aid ,Tsunami
- II. 1.cyclone, 2.TV
  - 3. a.keep first aid kit

b.listen to weather bulletin on TV

- III. Non Government Organisations United Nations Disaster Management Team
- **IV.** 1. 101
  - 2. Sand ,because petrol is lighter than water it floats on water and keeps burning.
  - Make the person roll on ground. Wrap in thick blanket or carpet.

#### Lesson 14 The story of water

- **I.** 1a 2b 3c 4d 5e
- II. Soluble substances milk coffee petrol salt flour
- **III**. Salt ,density, rain, pulley

### Lesson 15 Aquatic Life

#### I. Fill in the blanks

- I. Pouch, gills, protozoan ,anopheles, jellyfish, webbed,blow hole, dolphins &Whales
- II cholera, goldfish, jellyfish

### III. 1. Malaria

- 2. High fever vomiting shivering
- 3. mosquito
- 4. protozoan

#### Lesson 16 Fuels for vehicles

- I. Petrol and diesel, coal mining centre, black gold, crude oil
- II liquefied petroleum gasCompressed natural gasAviation turbine fuel

## Ш

- 1. Madhya Pradesh, Chhattisgarh
- 2. hydrogen, biofuels
- 3. bus, lorry
- 4. bicycle, cycle rickshaw
- 5. petrol, diesel
- 6. horse cart, bullock cart

# Mathematics Lesson - 5 Multiples

### I. Fillup:-

- 1. Smallest multiple of 71 is .....
- 2. First two common multiples of 7 and 14 are ....., .....
- 3. 4<sup>th</sup> multiple of 8 is .....
- 4. LCM of 2 and 3 is .....
- 5. Multiples of a number is ..... or equal to the given number.
- 6. LCM of two consecutive numbers is always .....
- 7. First odd multiple of 7 is .....
- 8. Odd multiples of 5 between 1 and 20 .....
- 9. LCM of 4 and 24 is .....
- 10. The lowest comon multiple of two or more numbers is their ......
- 11. LCM of two consecutive even numbers is .....
- 12. The smallest number of fruits which can be arranged in groups of 3, 4 or 6 with no fruits left is ......
- 13. Find the LCM of 18, 54 and 81
- 14. Largest 2 digit number that is exactly divisible by 19 is ......
- 15. LCM of two numbers is 24 and their HCF is 4. If one number is 8, then the other number is ......

## II. Do as directed.

- 1. List first four multiples of 17.
- 2. Find the first two common multiples of 8 and 6.
- 3. Find the LCM of
  - a) 16, 24 b) 15, 30

- 4. Write all the multiples of 13 less than 70.
- 5. Karun is making a garland with 40 flowers. If he puts a rose flower on every 7<sup>th</sup> place, at what places will the red bead appear?
- 6. Which of the following numbers are multiples of 4.a) 342 b) 454 c) 600 d) 176
- 7. Find the LCM of
  - a) 15, 40 b) 16, 30, 42
- 8. LCM of a pair of numbers is 4 and their sum is 6. What are the numbers?
- 9. Find the number closes to and smaller than 100 which is divisible by 2 and 5.
- Write all numbers less than 100 which are common multiples of 8 and 12.
- 11. LCM of three different numbers is 4. What are the numbers?
- 12. Sharan jogs every 4<sup>th</sup> day and Satish jogs every 6<sup>th</sup> day. They are both jogging today. How many days will pass before they both jog together again?
- 13. Every sunday, Raju, Rahim and Richu visit an Old Age Home. The rooms in the Home are numbered from 150 to 200. Raju visits rooms which have numbers that are multiples of 3. Rahim visits rooms which have numbers multiples of 5 and Richu visits all the rooms. Which rooms do all three of them visit?
- 14. Dev has some marbles. If he makes groups of 3 each, he is left with 1 marble. If he makes groups of 5 each, he is again left with 1 marble. How marbles does he have?

## Lesson - 6 Fractions

I. Fill up. Mixed fraction of  $\frac{23}{5}$  is ..... 1. 2.  $\frac{2}{3} = \frac{\Box}{6}$ Reduced form of  $\frac{8}{12}$  is ..... 3. Difference between  $\frac{3}{4}$  and  $\frac{1}{4}$  is 4. 5. A fraction with numerator less than denominator is ..... fraction. What part of 96 is 16? 6. Improper fraction for  $10\frac{4}{5}$  is ..... 7. 8.  $\frac{12}{15} = \frac{4}{\Box}$ What should be subtracted from  $\frac{7}{9}$  to get  $\frac{2}{9}$ . 9. 10.  $\frac{1}{3} = \frac{\Box}{6} = \frac{3}{2} = \frac{\Box}{12}$ 11.  $\frac{3}{7}$  of a week is ..... days. 12. There are ...... halves in  $12\frac{1}{2}$ . 13. Adding one fifth to three fifth gives ..... 14. If there are two dozen mangoes and one dozen bananas in a basket, the fraction of mangoes in the whole basket is ......

15.  $\Box - \frac{7}{8} = \frac{4}{8}$ 

- 16. If the denominator of a fration is greater than numerator, then the fraction is ...... than 1.
- 17. The value of  $\frac{1}{7} + \frac{2}{7} + \frac{3}{7} + \frac{4}{7} + \frac{5}{7} + \frac{6}{7} + \frac{7}{7} = \dots$

18. 
$$\frac{8}{12} = \frac{1}{9}$$

19. 6 hours is .....of a day.

#### III. Do as directed:-

1. Write in descending order.

$$\frac{5}{12}, \frac{5}{11}, \frac{5}{17}, \frac{5}{13}$$

2. Into how many parts would you divide the length between 0 and 1 to represent the fraction  $\frac{1}{11}$ .

3. Write three equivalent fraction for 
$$\frac{6}{7}$$

4. Hari walked  $\frac{5}{6}$  of an hour and Ruku walked  $\frac{7}{9}$  of an hour. Who walked for a longer duration.

5. Add 
$$\frac{1}{6}$$
 and  $\frac{2}{6}$  pictorically.

- 6. Find an equivalent fraction for  $\frac{6}{8}$  with denominator 56.
- 7. Write down the next three numbers.

$$5\frac{2}{3}$$
,  $5\frac{1}{3}$ , 5,  $4\frac{2}{3}$ ,  $4\frac{1}{3}$ , .....

8. Mr. Gupta moved  $\frac{1}{2}$  of his lawn before breakfast and  $\frac{1}{4}$  of it after

breakfast. What fraction of the lawn is still left to be moved?

- 9. Circle the fractions that add together to make 1.
  - a)  $\frac{2}{4}$ ,  $\frac{1}{4}$ ,  $\frac{3}{4}$ ,  $\frac{5}{4}$  b)  $\frac{5}{8}$ ,  $\frac{1}{8}$ ,  $\frac{3}{8}$ ,  $\frac{2}{8}$ c)  $\frac{1}{6}$ ,  $\frac{7}{6}$ ,  $\frac{2}{6}$ ,  $\frac{3}{6}$

10. Fill in the boxes

- a)  $\frac{4}{5} = \frac{8}{\Box} = \frac{\Box}{15}, \frac{20}{\Box}$  b)  $\frac{2}{3} = \frac{10}{\Box} = \frac{\Box}{9} = \frac{\Box}{18}$
- 11. In a school,  $\frac{5}{10}$  of students come to school in the school bus,  $\frac{3}{10}$  ride to the school on bicycles and  $\frac{17}{60}$  students walk to the shcool. Which is the most used and the least used mode of travel by the students?
- 12. What should be added to  $\frac{3}{5}$  to get 1.
- 13. Appu solved 10 questions of an exercise of 40 questions. Radhika solved  $\frac{2}{5}$  of the same exercise. Who has solved more questions?
- 14. What fraction of numbers between 50 and 60 are prime numbers?
- Write all the proper fractions whose numerator and denominator are Prime numbers between 1 and 10.
- 16. Tick the sentences that make sense and cross the ones that don't.
  a) I jogged <sup>2</sup>/<sub>3</sub> of the way to my destination but I was tired, so I jogged back.
  - b) I use  $\frac{2}{3}$  cup of milk for my cake recipe, but my friend uses  $\frac{6}{9}$  cup for the same recipe.
  - c) "I would like the smaller half of the sandwich, Please".

## Lesson - 10

## Measurement

I.	Fill ups:-
1.	43 kg = g.
2.	$14 \ l = \dots ml.$
3.	7 m 15 cm = cm
4.	5000 g = kg.
5.	3 <i>l</i> 10 <i>ml</i> = <i>ml</i>
6.	4 m = cm
7.	9 kg 35 g =g.
8.	$5.74 \text{ m} = \dots \text{m} \dots \text{cm}$
9.	6.4 cm =mm
10.	2.675 km =m
11.	0.750 kg =g
12.	5.008 kg =kgg
13.	999 g = kg
14.	$0.257 \ l = \dots ml$
15.	$64.2 \ l =lml$
16.	1895 ml =l
17.	$2\frac{1}{2}l = \dots ml$
18.	2.5 l =ml
19.	$750 \ ml = \dots l$
20.	45 <i>l</i> = <i>ml</i>
21.	is the basic unit of length.
22.	To change from a smaller unit to a bigger unit

23. To change from bigger unit to a smaller unit ......

### II. Solve

- 1. 80 m 15 cm + 12 m 37 cm
- 2. 6 kg 240 g + 3 kg 970 g
- 3. 27 m 45 cm + 5 m 5 cm
- 4. 7 *l* 392 *ml* + 6*l* 745 *ml*
- 5. 7 kg 200g + 800 g
- 6. 8 m 50 cm 5 m 56 cm
- 7. 16 kg 240 g 10 kg 300g
- 8. 8 l 5 l 350 ml
- 9. 5 *l* 245 *ml* 2 *l* 300 *ml*

### III. Answer the following

- A tank was filled with 500 *l* of water. During the day 19 *l* 700 *ml* of water was used. How much water was left in the tank at the end of the day?
- 2. Nisha bought 3kg of fruits. She bought  $1\frac{1}{4}$  kg apples, 750g grapes and the rest were mangoes. What was the weight of the mangoes she bought?
- 3. Peter weighs 30 kg 500g. Julie weighs 1 kg 750 g less than Peter. What is Julie's weight?
- Amit went for a picnic. The journey was 25 km long but after 16km 750m the bus broke down. How much distance was still left?
- 5. A tailor used 1m 25 cm cloth for Suman's shirt and 1m 90 cm cloth for Ritu's shirt. What was the total length of cloth used for both the shirts?

## Lesson - 11

## Perimeter, Area, Volume

## I. Fill ups:-

- 1. To find the distance around a field we need to know its .....
- 2. The area of a rectangle is 40 sq.cm. If its breadth is 4cm, its length is .....
- 3. The area of a square of side 1 cm is ......
- 4. The perimeter of a square of side 1 cm is ......
- 5. The volume of a cube of side 1 cm is ......
- 6. The side of a square of peimeter 36 cm is ......
- 7. The area of a rectangle is 36 sq.cm. The rectangle is divided into two triangles of equal area. The area of triangle will be ......sq. cm
- 8. The amount of space inside an object is ......
- 9. All rectangles with perimeter 12 cm have the same area. (True/False)
- 10. All rectangles with area 36 sq.cm have the same perimeter (True/False)

## II. Word Problems

- 1. Find the length of the border needed for a quilt of length 250 cm and breadth 150 cm.
- 2. A square field has a perimeter of 480 m. What is the length of its side? Find the area of the field.
- What will be the cost of mowing grass in a rectangular field of dimensions 240 m by 120 m at ₹10 per sq.m.
- 4. Bhanu walks around a square park of side 120m. If he takes 2 rounds of the park, how much distance does he cover?
- 5. Find the quantity of oil that can be filled in a can of length 30cm, breadth 30cm and height 50 cm.

- 6. There is a flower bed of 80 cm long, 40 cm wide and 2 cm deep in Shruth's garden. Find the amount of soil the gardener dig out to make the bed.
- 7. Find the volume of air in a room 12 m long, 8 m wide and 10m high.

## Lesson -12 Time and Temperature

#### I. Fill ups:-

- 1. Rahul's flight is at 10:30 pm. In the 24 -hr clock this time is written as
- 2. The cricket match starts at 2120 hours. In the 12-hr clock, this time is written as ......
- Navin does Pranayam for 10 min. every morning. How many hours would that be in the month of April ......
- 4. ..... minutes in 2 hrs.
- 5. 360 minutes = ...... hrs.

### II. Solve

- 1. 4 h 40 m + 6 h 10 min
- 2. 3 years 8 months + 2 years 5 months
- 3. 2 h 25 min + 3h 50 min
- 4. 11 years 7 months + 14 years 5 months
- 5. 8 h 50 min 6 h 35 min
- 6. 8y 6 months 2y 4 months
- 7. 10 h 20 min 4 h 45 min
- 8. 3 y 2 months 2y 7 months

#### **III. Word Problems**

- 1. The plane was at the airport for 1 hr 20 min for refuelling. Find the number of minutes required for refuelling.
- 2. During a T.V. programme, there were 7 breaks of 20 seconds each. The breaks lated for a toal of ...... minutes.
- 3. Jyoti spends 105 minutes every week in reading the newspaper. How many hours is that?
- 4. A tourist bus takes 4 hours 50 minutes to reach Agra from Delhi. One day it broke down on the way and took 1 hour 80 min longer. What was the duration of journey on that day?
- 5. Mr. Kapoor was in Delhi for 3 years 5 months. He was in Chennai for 1 year 11 months. How much longer was Kapoor in Delhi?
- 6. Manu started his homework at 6:55 pm and finished it 1 hour 5 minutes later. At what time did he finish his homework?

## Lesson -7 Decimals

- 1. Write the place value of underlined digit.
  - a) 62.<u>3</u>4 b) 1.04<u>6</u> c) <u>2</u>.518
- 2. Express as decimals.

a) two hundredths b) one and three tenths c)  $\frac{15}{10}$  d)  $\frac{7}{100}$  e)  $\frac{4321}{1000}$ 

3. Express as fractions.

a) 3.5 b) 0.8 c) 0.93 d) 0.125

4. Compare

a) 0.3 0.2 b) 0.275 1

c) 9.1 9.01 d) 2.35 2.36 Rewrite in ascending order. 5. a) 1.1, 1.01, 0.11, 1.11 b) 21.1, 2.11, 0.211, 0.121 c) 8.0, 808, 0.08, 0.0098 6. Solve a) 0.1 + 0.11 + 1b) 6.42 + 6.041 + 3.1c) 14.1 + 6.93 + 0.487d) 3.25 - 1.46 e) 1 - 0.05 f) 8 - 3.9 g) 3.91 - 1.4 h) 34.2 × 10 i) 0.94 × 10 i) 12.24 × 100 k) 0.14 × 1000 1) 53.8 ÷ 10 m) 725 ÷ 100 n) 456 ÷ 1000

- o) 14.8 ÷ 100
- 7. In a long jump competition, Mohan jumped a distance 1.2m, 0.97 m and 1.3 m. What was the total distance he jumped?
- 8. Satish is going to his Granny's house. He has covered 1.15 km. He is still 1.32 km away from his Granny's house. How far is his house from Granny's house?
- Madhu had ₹100. She bought a baseball cap for ₹75.75. How much money is left with her?
- 10. Raju, Sanju, Sam and Rohan study in the same class. Arrange these students in increasing order of their height.

Name	Raju	Sanju	Sam	Rohan
Height	1.05	1.12	0.98	1.35

# Answer key Lesson - 5 Multiples

I.	Fillup:-		-		
1.	71	2.	14,28	3.	32
4.	6	5.	greeater than	6.	product
7.	7	8.	5, 15	9.	24
10.	LCM	11.	2	12.	12
13.	162	14.	95	15.	12
II.	Do as directed.				
1.	17, 34, 51, 68	2.	24, 48	3.	a) 48 b) 30
4.	13, 26, 39, 52, 65	5.	7, 14, 21, 28, 35	6.	600, 176
7.	a) 120 b) 1680	8.	2, 4	9.	90
10.	24, 48, 72, 96	11.	1, 2, 4	12.	12
13.	165, 180, 195	14.	16		
		Le	esson - 6 Fractions		
I.	Fill up.				
1.	$4\frac{3}{5}$	2.	4	3.	$\frac{3}{4}$
4.	$\frac{2}{4}$	5.	proper	6.	$\frac{1}{6}$
7.	$\frac{54}{5}$	8.	5	9.	$\frac{5}{9}$
10.	2,4	11.	3	12.	25
13.	$\frac{4}{5}$	14.	$\frac{24}{36}$	15.	$\frac{11}{8}$
16.	Proper	17.	4	18.	$\frac{6}{9}$
10	1 "				

19.  $\frac{1}{4}$ <sup>th</sup>

#### III. Do as directed:-

- 1.  $\frac{5}{11}, \frac{5}{12}, \frac{5}{13}, \frac{5}{17}$ 2. 11 3.  $\frac{12}{14}$ ,  $\frac{18}{21}$ ,  $\frac{24}{28}$ 4. Hari 6.  $\frac{42}{56}$ 5. -7. 4,  $3\frac{2}{3}$ ,  $3\frac{1}{3}$ 8.  $\frac{1}{4}$ 9. a)  $\frac{1}{4}, \frac{3}{4}$ b)  $\frac{5}{8}, \frac{1}{8}, \frac{2}{8}$ c)  $\frac{1}{6}, \frac{2}{6}, \frac{3}{6}$ 10. a)  $\frac{4}{5} = \frac{8}{10} = \frac{12}{15}, \frac{20}{25}$  b)  $\frac{2}{3} = \frac{10}{15} = \frac{6}{9} = \frac{12}{18}$ 11. Most = School bus, Least - walk 12.  $\frac{2}{5}$ 13. Radhika 14.  $\frac{3}{9}$ 15.  $\frac{2}{3}, \frac{2}{5}, \frac{2}{7}, \frac{3}{5}, \frac{3}{7}, \frac{5}{7}$ 16. a) × b) 🗸 c) × Lesson - 10 Measurement 1. 43000 g 2. 14000 ml. 3. 715 cm 6. 400 cm 4. 5 kg. 5. 3010 ml 7. 9035 g. 8. 5 m 74 cm 9. 6 cm 4 mm 10. 2675 m 11.750 g 12.5 kg 8 g
- 13. 0.999 kg14.257 ml15.64l 200 ml

16.	1.895 <i>l</i>	17.2500 ml	18.2500 ml
19.	0.750 <i>l</i>	20.45000 ml	21.metre
22.	divide	23. multiply	
II.			
1.	92 m 52 cm	2. 10 kg 210 g	3. 32 m 50 cm
4.	14 l 137 ml	5. 8 kg	6. 2 m 94 cm
7.	5 kg 940 g	8. 2 <i>l</i> 650 ml	9. 21 945 ml
III.			
1.	480 l 300ml	2. 1 kg	3. 8 kg 750 g
4.	8 km 250 cm	5. 3 m 15 cm	
		Perimeter, Area, Volume	
I.			
1.	perimeter	2. 10 cm	3. 1 sq. cm
4.	4 cm	5. 1 cu. cm	6. 9 cm
7.	18 sq m	8. volume	9. false
10.	false		
II.			
1.	800 cm	2. 14, 400 sq m	3. 2,88,000 rupees
4.	960 m	5. 45,000 cu. cm	6. 6400 cu. cm
7.	960 cu. cm		
		Time and Temperature	
I.			
1.	22 : 30 hrs	2. 9:20 pm	3. $300 \text{ min} = 5 \text{ hrs}$
4.	120 min	5. 6 hrs	

П.

1.	10 h 50 mii	n 2.	6 y 1 month		3.	6 h 15 min
4.	26 у	5.	3 h 15 min		6.	6y 2 months
7.	5 h 35 min	8.	7 months			
Ш.						
1.	80 min	2.	2 min 20 see	с	3.	1 hr 45 min
4.	6 h 10 min	5.	5y 4 months	5	6.	8 : 00 pm
			Decima	als		
1.	a) 3 tenth	b) 6 thousa	undth c) 2			
2.	a) $\frac{2}{100}$	b) $1\frac{3}{10}$	c) 1.5	d) 0.07		e) 4.321
3.	a) $3\frac{5}{10}$	d) $\frac{8}{10}$	e) $\frac{93}{100}$	f	$\frac{125}{100}$	5
4.	a) >	b) <	c) >	d	) <	
5.	a) 0.11, 1.	01, 1.1, 1.1	1	b) 0.121,	0.21	1, 2.11, 21.1
	c) 0.0098,	0.08, 8.0, 8	308			
6.	a) 1.21	1	b) 15.561		c)	21.517
	d) 1.79	6	e) 0.95		f)	4.1
	g) 2.51	]	h) 342		i)	9.4
	j) 1224	]	k) 140		l)	5.38
	m) 7.25	1	n) 0.456		0)	0.148
7.	3.47 m	8.	2.47 km			
9.	₹24.25	10	. Sam, Raju,	Sanju, Roł	nan	

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