

1076 NADI SANGAM SCHOOL

YEAR 8

CONSOLIDATED

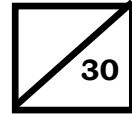
WEEKLY HOME STUDY

PACKAGE:19

ASSESSMENT 3 - SOLUTIONS

15/11 TO 19/11

2021



1. What is a 6-sided polygon called?

- A. Pentagon **B.** Hexagon C. Decagon D. Dodecagon

2. $346 \times 10^3 =$

- A. 3460 B. 34600 **C.** 346000 D. 0.34

3. $\frac{23}{25}$ as a percentage is

- A. 46% **B.** 92% C. 90 % D. 95%

4. $24.06 \div 6 =$

- A.** 4.01 B. 4.1 C. 5.06 D. 4.2

5. A rectangular pyramid has _____ vertices.

- A. 6 B. 5 **C.** 8 D. 4

6. The average of three numbers is 64. What would be the average of the four numbers if the fourth number is 76?

- A. 65 B. 66 **C.** 67 D. 82

7. Six hundred and seventy-two thousand four hundred and thirty-five written in numerals is

- A. 672535 B. 642735 C. 627435 **D.** 672435

8. What's another name of a tetrahedron?

- A. cube B. cuboid
C. triangular pyramid D. triangular prism

9. The volume of a cube is 216 cm^3 . If a cube of 4 cm is cut away, what is the volume of the remaining solid?

- A.** 152 cm^3 B. 155 cm^3 C. 162 cm^3 D. 163 cm^3

10. A car travelled 224 km in $3\frac{1}{2}$ hours. Calculate the average speed

- A. 70 km/h B. 75 km/h **C.** 64 km/h D. 68 km/h

SECTION B**PROBLEM SOLVING****(10 MARKS)**

Show all necessary workings.

1. Manasa types 3300 words in an hour.

(a) Calculate Manasa's rate of typing in words/minute.

(1 mark)

$$1 \text{ hr} = 60 \text{ minutes}$$

$$S = \frac{D}{T}$$

$$= \frac{3300}{60}$$

$$= \mathbf{55 \text{ w/min}}$$

(b) If he continues to type at this rate, how long will it take him to type 1375 words?

(1 mark)

$$T = \frac{D}{S}$$

$$= \frac{1375}{55}$$

$$= \mathbf{25 \text{ mins}}$$

2. Jale bought 5 kg of onions for \$6.50.

(a) What would be the cost for 2 kg of onions?

(1 mark)

$$\frac{6.50}{5} = \$1.30$$

$$1.30 \times 2 = \mathbf{\$2.60}$$

(b) What would be the cost of 1kg of onion?

(1 mark)

$$\mathbf{\$1.30}$$

3. Rojesh bought two pairs of bullocks. Each bullock costs \$300.

(a) How much did he pay for the 2 pairs of bullocks?

(1 mark)

$$300 \times 4 = \mathbf{\$1200}$$

(b) If he sold one pair of bullocks for \$800, what was his percent profit? (1 mark)

$$\%P = \frac{SP - CP}{CP} \times 100\%$$

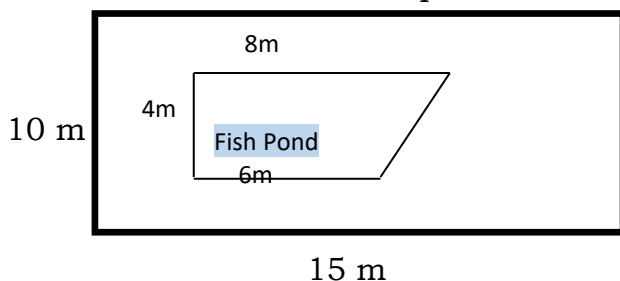
$$= \frac{800 - 600}{600} \times 100\%$$

$$= \frac{200}{600} \times 100$$

$$= \frac{200}{6}$$

$$= \mathbf{33.33\% / 33\frac{1}{3}\%}$$

4. Nihaal constructed a fish pond in their backyard



(a) Calculate the area of the fish pond?

(1 mark)

$$A_{\text{TRAPEZIUM}} = \frac{1}{2}(a + b) h$$

$$= \frac{1}{2}(6 + 8) 4$$

$$= 14 \times 2$$

$$= \mathbf{28m^2}$$

(b) What would be the area of the land left?

(1 mark)

$$A_{\text{RECTANGLE}} - A_{\text{TRAPEZIUM}} = A_{\text{LEFT}}$$

$$\begin{aligned} A_{\text{RECTANGLE}} &= b \times h \\ &= 15 \times 10 \\ &= 150\text{m}^2 \end{aligned}$$

$$\begin{aligned} A_{\text{Left}} &= 150 - 28 \\ &= \mathbf{122\text{m}^2} \end{aligned}$$

5. The input and output for a number machine are given in the table below

i	1	2	3	4	5
r	2	5	10	y	z

(a) Write down the rule to show the relationship between **i** and **r**. (1 mark)

$$r = i^2 + 1$$

(b) What are the missing numbers y and z? (1 mark)

$$\begin{aligned} y &= 4^2 + 1 \\ &= 16 + 1 \\ &= \mathbf{17} \end{aligned}$$

$$\begin{aligned} z &= 5^2 + 1 \\ &= 25 + 1 \\ &= \mathbf{26} \end{aligned}$$

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YEAR 8 – 2021
WEEKLY HOME STUDY PACKAGE 19
ASSESSMENT 3 – ENGLISH

NOVEL – SWISS FAMILY ROBINSON (20M)

Chapter 22: We Lost Two Sons But Find Some Friends

Briefly discuss important events that take place in this chapter. (5m)

The “Unicorn” captained by Littleton arrived to look for Jenny. Mr. and Mrs. Wolston were the passengers of the ship. They then decided to stay on the island with the Robinsons with the rest of their life. Fritz and Ernest decided to leave for Europe with Jenny.

What difficulties would the boys find in returning to life in Europe (5m)

Probably the ways of living including culture (food and language). They will find it hard to adjust to the standard of living including looking for a job to earn a living.

What important message have you learnt after reading this Novel. Provide examples to support your answer. (5m)

- 1. We can achieve a lot or be very successful if we are determined and hardworking which is shown by the Robinson’s in all areas of life in the island after their shipwrecked.**
- 2. We should always value God and must have faith in him. The Robinson’s always take time to pray and believe that God will always guide them.**
- 3. Teamwork and cooperation – The family share the load in every single day of their work.**

Choose a character in the story you liked the best. Give reasons to support your answer. (5m)

It depends on the answer you give and please ensure that you give a valid reason for your choice

Section B : Letter Writing (10m)

Write a letter to The Minister for Education expressing your views of getting jabbed for COVID-19 for primary school children. Your name is Angelina Jolie if you are a girl or David Beckham if you are a boy. You attended Napkin Primary School in Bua, Box 57, Bua.

Share your views or thought about school children getting jabbed, Its important and its effect to the school system and to the community as well.

You must include a plan of your letter

Plan

Inside Address: Napkin Primary School. Box 57, Bua

Name: Angelina Jolie/David Beckham

Writing To Minister of Education –Hon Premila Devi

Purpose: The Importance of Getting Jabbed

Value of Education When you Get Jabbed.

Give your ideas whether you for vaccination or against it.

Note

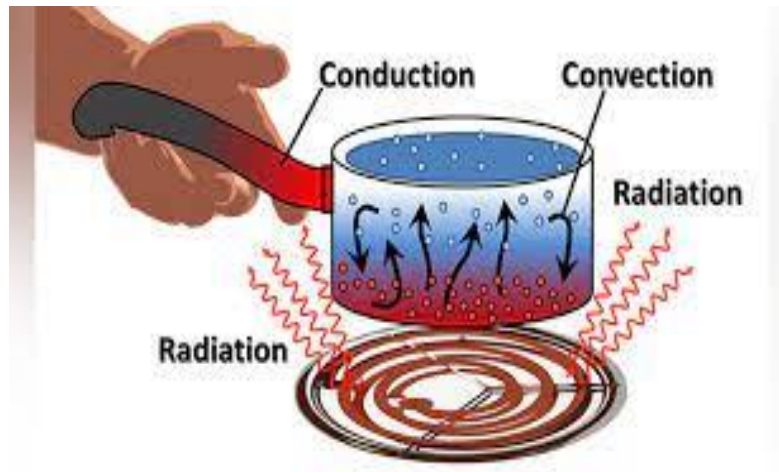
Send your Letter through email to your teacher so that it can be uploaded in Moodle

1076 NADI SANGAM SCHOOL
YEAR 8 – 2021
WEEKLY HOME STUDY PACKAGE 19 SOLUTION
ASSESSMENT 3 - BASIC SCIENCE

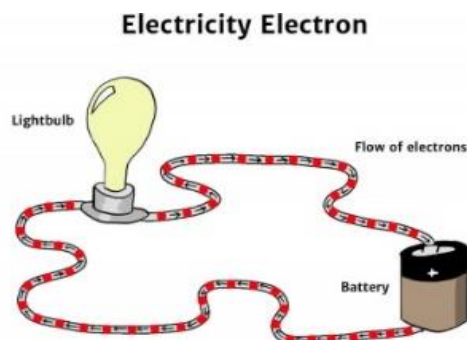
Section A

Define the following terms and also provide a diagram as an example to support your answer (20m)

1. **Conduction** - Transfer of heat within a body or between two bodies that are touching
2. **Convection**- transfer of heat from one fluid to another by the movement of fluid itself.
3. **Radiation** – heat leaves the object in the form of waves



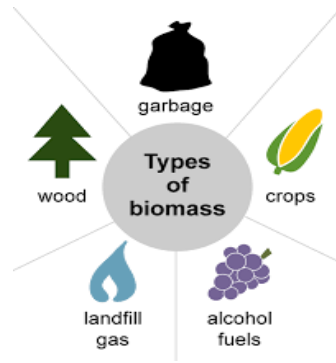
4. **Electrical Energy** – the movement of electrons from one atom to another or the power an atom's charged particles have to cause an action or move an object.



5. **Radiation** – heat leaves the object in the form of waves
6. **Solar Panels**- water is directly heated by heat energy from the sun does not generate electricity.



7. **Biomass** – renewable organic material that comes from plants and animals.



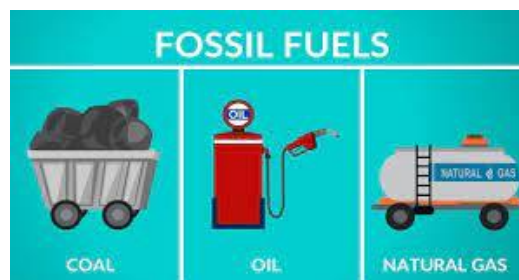
8. **Sound Energy** –energy comes from vibrations moving through something. Solids, liquids, and gases all transmit sound as energy waves. Sound energy is the result when a force, either sound or pressure, makes an object or substance vibrate

Sound Energy



When someone plays the guitar, the strings vibrate and transmit energy

9. **Fossil fuels** – Fossil fuels are made from decomposing plants and animals. These fuels are found in the Earth's crust and contain carbon and hydrogen, which can be burned for energy. Coal, oil, and natural gas are examples of fossil fuels.



10. **Wind energy** – whereby wind is used to generate mechanical power or electricity.



Section B – Short Answers

(10m)

1. Give some examples of where frictions can be useful (1m)

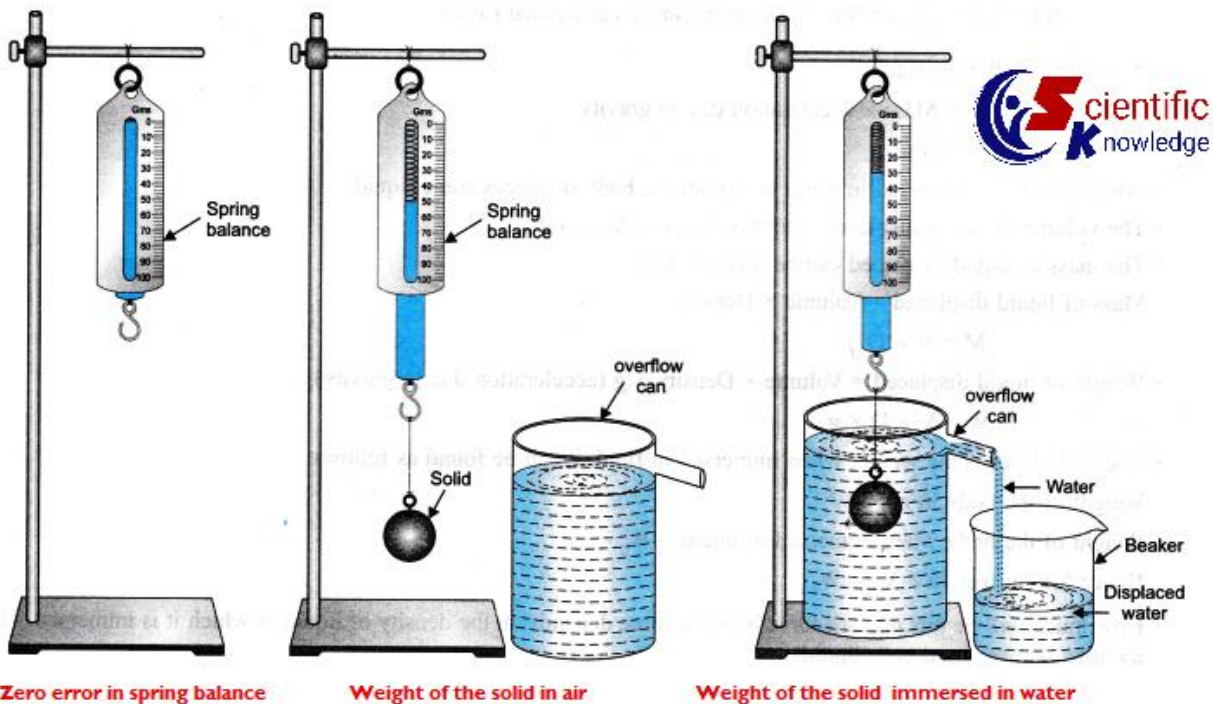
- *prevents us from slipping*
- *friction between tyres and the road stop cars from skidding*
- *slows down the parachute for safe landing.*

2. Discuss a way in which air resistance be reduced, provide an example to support your answer? (1m)

Air resistance can be reduced through streamlining. Examples racing cyclists crouch low on their bikes to reduce air resistance.

Water Takes Weight

3. Write and draw up a simple to proof that water takes weight. (5m)



Write the Materials used and the steps taken to achieve your aim. (3m)

Material is all shown above.

1076 NADI SANGAM SCHOOL
YEAR 8 – 2021
WEEKLY HOME STUDY PACKAGE 19 SOLUTION
ASSESSMENT 3 - NA VEIKA VAKA VITI.

A. Vakasavui Tukutuku (10m)

Vakasavuya na veiyatuvosa ka volai koto e ra

1. “Sa rauta mada na vakawelewele, tinai Timoci,” a kaya ko watina.
A kaya ko wati tinai Timoci me sa rauta mada na vakawelewele.
2. “Ko sa bau vodo oti e na dua na manua, Orisi?” a taroga ko Livai
A tarogi Orisi ko Livai ke sab au vodo oti e na dua na manua.
3. “E sa bera ni yaco ga mai na i lavo au waraka tiko’: a kaya ko Pu Lote.
A kaya ko Pu Lote ni se bera ga ni yaco mai na I lavo e waraka tiko.
4. “Me da dau qarauna na noda soli tukutuku e na mona livaliva, a kaya ko Bainimarama.
A kaya ko Bainimarama me da qarauna na noda soli tukutuku e na mona livaliva.
5. Na cava na yaga ni nomu lako qori, luvequ , a kaya ko tinaqu.
A kaya ko tinani gone vei luvena se cava na yaga ni nona lako oya.

B. Buli Yatuvosa

Bulia na I yatuvosa me curu kina veivosa koto era (10m)

1. Qeqera – ***E ra qeqera na maqo e na tolo ni baravi vaka Nadroga.***
2. maqusa – ***Sa ra maqusa na lewe ni vanua ki na tauni ni 2.d ola na vakatatabu***
3. taubitalaki -***E taubitalaki koya ga yani ki vale e na levu ni nona domobula.***
4. vereverea- ***E sa rui vereverea din avei au na nomu I vakamacala.***
5. veiwali -***Sa sega ni ka ni veiwali na totolo ni kena dewa na mate ogo***

C. VOLA I VOLA (10m)

Vola e dua na I vola vu ana Minisita ni Vuli e na kena taurivaki na I cula vei ira na gonevuli e na wasewase e ra se na Primary. Me yacamu buli ko Seini Rika ke ko goneyalewa se Koresi Biu ke ko gonetagane.

Vakaraitaka vua na nomu vakasama kei na kena vinaka se ca e na kena raici na vuli kei na bula veimaliwai.

Ko vuli tiko e Tawase District School, Logani, Tailevu.
Mo vola talega na nomu I Tuvatuva Ka. (Plan)

I tuvatuva Ka

Yacamu

Nomu I tikotiko

Volavola vua na Minisita ni Vuli

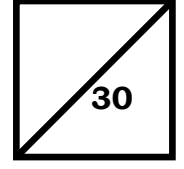
Naki ni vola : Na taurivaki ni Cula

Na kena Vinaka se kena Ca

Na Bibi ni Vuli kei nai Cula

*Mo volamai na nomu ivola ka vakauta mai vu ana nomu qasenivuli e na email
rolztoutou@gmail.com*

1076 NADI SANGAM SCHOOL
YEAR 8 HINDI WEEKLY HOME STUDY PACKAGE :19 - 2021
ASSESSMENT 3-SOLUTION



PART 1

व्याकरण और प्रयोग

(20 Marks)

अ. दिए गए शब्दों में से सही शब्द चुनकर इन वाक्यों को पूरा कीजिए। दिए गए सही जवाब के बगलमें अक्षर पर गोलाकार निशान बनाइए।

1. घर जाने के लिए यह रास्ता बहुत ----- है।

क लम्बे

ख लम्बीं

ग लम्बा

घ लम्बी

2. राजू को ----- बातें अच्छी नहीं लगती।

क बुरा

ख बुरे

ग बुरी

घ बुरीं

3. शेरनी शब्द का पुल्लिंग शब्द क्या है ?

क शेर

ख नेवला

ग हाथी

घ घोड़ा

4. हाथ बाँधना, इस मुहावरे का सही अर्थ क्या है।

क चुप रहना

ख थक जाना

ग पीटना

घ विरोध करना

5. मुझे किताब मिला। इस वाक्य का भविष्य काल क्या है ?

क मुझे किताब मिला था।

ख मुझे किताब मिलेगा।

ग मुझे किताब मिला है।

घ मुझे किताब मिल रहा है।

(10 Marks)

आ नीचे दिए गए शब्दों का विलोम शब्द लिखिए।

1. उचित - अनुचित

2. न्याय - अन्याय (2 Marks)

इ नीचे दिए गए शब्दों का पर्यायवाची शब्द लिखिए।

1. पानी - जल

2. सूर्य - सुरज (2 Marks)

ई नीचे दिए गए शब्दों की वर्तनी गलत हैं। उन्हें सुधार कर लिखिए।

1. नारि - नारी

2. रसोइ - रसोई (2 Marks)

उ नीचे दिए गए शब्द सही क्रम में नहीं है। उन्हें सही क्रम में लिखिए।

निकट	बालक	चुपचाप	समझ	(2 Marks)
चुपचाप	निकट	बालक	समझ	

उ क्रिया के सही रूप से रिक्त स्थानों की पूर्ति कीजिए।

1. अच्छे लोग समय का सही प्रयोग करते हैं। (करना)

2. अगले वर्ष राजू परीक्षा में बैठेगा। (बैठना) (2 Marks)

PART 2 **संस्कृति** **(10 MARKS)**

नीचे दिए गए वाक्यों को पढ़कर सही या गलत लिखिए

1. होली अंग्रेजी कलेण्डर के हिसाब से मनाई जाती है। गलत

2. हमें अपनी शरीर की सफाई पर ध्यान देना चाहिए। सही

3. अपने धर्म और कर्तव्य को समझें और उस पर अमल करें। सही

4. हाथ के अग्र भाग में लक्ष्मी का निवास है। सही

5. चूड़ाकर्म संस्कार के समय बालक को घर से बाहर शुद्ध वायु में घुमाया जाता है। गलत

1076 NADI SANGAM SCHOOL
YEAR 8 SOCIAL SCIENCE
WEEKLY HOMESTUDY PACKAGE 19
ASSESSMENT 3 – 30 marks
SOLUTION
TESTING SKILLS

(A) RESEARCH

(5 Marks)

During the course of your Social Science studies, you investigated a problem or issue in your class.

1. Name the problem or issue that you investigated (1 mark)

Pollution / Climate Change / Global Warming / (other topics you have studied)

2. State **two** ways this research could be made easier. (2 marks)

a) people had knowledge on the topic and gave correct answers

b) time management from the people was a problem – was not returned on time

3. State two important lessons you learnt from your findings (2 marks)

- **internet problems**

- **questionnaire were not completed on time/ reading was a problem**

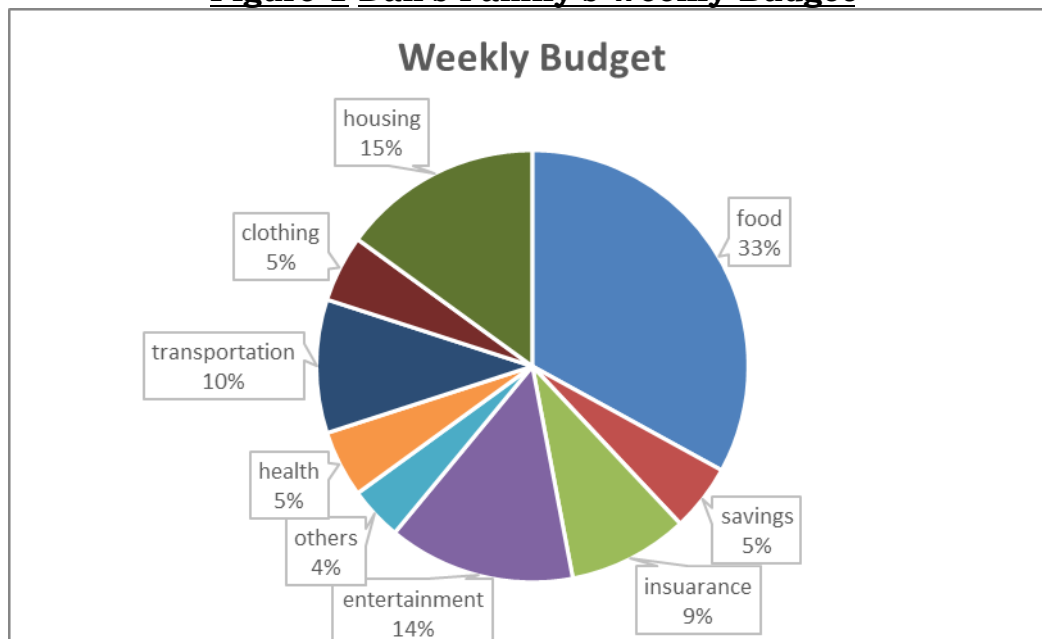
- **some people were too reluctant to be interviewed**

(B) GRAPH STUDY

(7 marks)

Use the chart given below and your knowledge to answer the questions that follow.

Figure 1 Dan's Family's Weekly Budget



1. Which item shows the **largest** percentage of Dan's weekly budget? (1 mark)

food – 33%

2. Which item shows the **least** percentage of Dan's weekly budget? (1 mark)

other – 4%

3. How much is Dan's weekly savings? (1 mark)

5%

4. What is the **total percentage** for housing, clothing and food? (2 marks)

15% + 5% + 33% = 53%

5. State **two** reason why family budgeting is important? (2 marks)
-track your spending and income so that you have an accurate picture of your financial situation
- So that you can save money for rainy days.

SHORT ANSWERS

(18 marks)

Answer the following questions using your knowledge and understanding.

1. What does UN stand for? (1 mark)

UNITED NATIONS

State the aim or objective of the UN. (1 mark)

The UN is an intergovernmental organization aiming to maintain international peace and security, develop friendly relations amongst nations.

2. Define the term renewal energy. (2 marks)

renewable energy is energy that is collected from renewable resources that are naturally replenished on a human timescale. e.g sunlight, wind, rain, tide, waves, and geothermal heat.

3. State an advantages of renewal energy. (1 mark)

- **a fuel supply that never runs out**
- **zero carbon emissions**
- **cleaner air and water**
- **A cheaper form of electricity**

4. State two varieties of language used in Fiji (2 marks)

Vosa Vaka Viti / Hindi / Arabic/ Rotuman/Cantonese , Mandarin-Chinese

5. Give two reasons why speaking our own dialects in important. (2 marks)

- **it gives you a sense of belonging**
- **to ensure your culture / language is alive / passed to the next generation**

6. List a value you learnt from your community (1 mark)

- **love /tolerance/ faithfulness /perserverance /etc**

7. State how this value you have written above will help you in your life.

(2 marks)
it helps you to grow to be a strong and better person.

8. Define the term Aids and give an example of a country which provides aids to Fiji. (3 marks)

- **Aids – is help given / assistance providing aid and comfort specifically: tangible means of assistance (such as money or supplies). FIJI is one of the priorities for the AUSTRALIAN Governments aid program.**

9. State the difference between democracy and fascism (3 marks)

Democracy; a form of government in which people choose leaders by voting.

Fascism; a government system led by a dictator having complete power.

1076 NADI SANGAM SCHOOL
YEAR 8 HEALTHY LIVING
WEEKLY HOME STUDY PACKAGE 19
ASSESSMENT 3 - SOLUTION
SHORT ANSWERS- 18 marks

- a. Define **Vandalism**. (1 mark)
vandalism is action involving deliberate destruction of or damage to public or private property.
- b. Why do people do community service? (2 marks)
Some people do community work because they try to make the world around them a better place, without being paid.
- **Some want to give back to their community / or feel that's the right thing to do.**
- c. Why is our community important to us? (2marks)
- **Being part of the community makes us feel as though we are a part as something greater than ourselves.**
- **It gives us an opportunity to connect with other people / reach our goals, to make us feel safe and secure.**
- d. Why respect is needed in a relationship? (2 marks)
- **Respect in a relationship-built feeling of trust, safety, and wellbeing.**
- e. Why is it important to do physical activity? (2 marks)
- **Regular physical activities promote strong muscles and bones.**
- **It removes respiratory, cardiovascular health, and overall health.**
- f. Name a local food that will give you protein. (1 mark)
fish/ bele /chicken/duck/seafood/eggs/dairy products - milk
- g. Why a healthier diet is important to your health? (2 marks)
A healthy diet is essential for good health and nutrition. It protects you against many chronic noncommunicable diseases, such as heart disease /diabetes and cancer.
- h. Identify a physical impact on a car accident survivor. (2 marks)
Paralysis – is the loss of function of a muscle or group of muscles in the body that causes impairment.
- i. What can you do to help reduce global warming? (2 marks)
- **the use of 3 Rs**
-plant more trees
-stop Deforestation
-use less Heat and Air Conditioning
- j. Why should getting married at an early age be avoided? (2 marks)

- **It ends childhood. / its negatively influences children's rights to education, health and protection**
- **Likely not earn money and contribute to the family and community.**
- **Increases girls' risk of experiencing violence**
- **Marriage almost always fails**

The diagram below shows two friends fighting. Use the diagram and your knowledge to answer the question that follow. (7 marks)



- i. Name **one** possible cause of this incident. (2 marks)
not considerate / hatred / selfishness/
 - ii. What can happen if the above is not controlled? (2 marks)
It can lead to bigger problems e.g. physical abuse, death
 - iii. State **one** advice you can give to the two girls (1 mark)
Learn how to share your things / love is a virtue / consider other people especially the less fortunate / fighting will damage relationship within the family / damage your friendship as well.
 - iv. State **two** conflict resolution methods (2 marks)
 - get help from counsellors
 - Communicate is the key in a dispute
 - Should be ready and willing to listen more
- Study this picture and answer the questions that follow (5 marks)



- I. Why is your blood checked? (1 mark)
 - **To keep track of your overall physical wellbeing. / it allows you to see how your body changes overtime.**

II. What is the normal fasting blood sugar level? (1 mark)

- **A fasting blood sugar level of 5.6 mmol/L or lower is normal.**

III. State two preventive measure of diabetes (2 mark)

- **get more physical activity**
- **Eat plenty of fiber**
- **Choose foods lower in fat and carbohydrates**
- **Eat a healthy and balanced diet**
- **Quit smoking**
- **Limit your alcohol intake**
- **Control your blood pressure**

IV. Name a complication of diabetes (1 mark)

- **eye complications / foot complication – amputation**
Heart problems /hearing loss /stroke.