

1076 NADI SANGAM SCHOOL

YEAR 8

CONSOLIDATED

WEEKLY HOME STUDY

PACKAGE:20

SOLUTIONS

22/11 TO 26/11

2021

SECTION A **MULTIPLE CHOICE**

1. What is a 11-sided polygon called?

- A. elevenagon B. Henagon **C. Hendecagon** D. Dodecagon

2. $926 \times 10^5 =$

- A. 926^5 B. 00000926 C. 9260000 **D. 92600000**

3. $\frac{56}{57}$ as a decimal is

- A. 0.98** B. 0.97 C. 0.96 D. 0.95

4. $81.72 \div 9 =$

- A. 9.09 **B. 9.08** C. 9.07 D. 9.06

5. A square pyramid has _____ vertices.

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

6. The average of three numbers is 94. What would be the average of the four numbers if the fourth number is 98?

- A. 95** B. 96 C. 282 D. 380

7. Eight hundred and seventy-seven thousand six hundred and ninety-five written in numerals is

- A. 8775965 B. 877659 **C. 877695** D. 80077695

8. What is another name of mean score?

- A. mode B. range
C. median **D. average**

9. The volume of a cube is 1728 cm^3 . If a cube of 9cm is cut away, what is the volume of the remaining solid?

- A. 728 cm^3 B. 729 cm^3 C. 829 cm^3 **D. 999 cm^3**

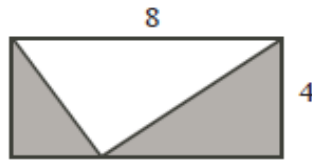
10. A car travelled 555 km in $3\frac{3}{4}$ hours. Calculate the average speed

- A. 2081.25 km/h **B. 148 km/h** C. 164 km/h D. 416.25 km/h

SECTION B**PROBLEM SOLVING**

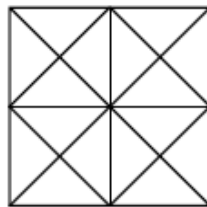
Show all necessary workings.

1. The rectangle shown has side lengths of 8cm and 4cm. What is the area of the shaded region?



$$\begin{aligned}
 A_{\text{SHADED REGION}} &= A_{\text{RECTANGLE}} - A_{\text{TRIANGLE}} \\
 &= (b \times h) - \frac{1}{2}(b \times h) \\
 &= (8 \times 4) - \frac{1}{2}(8 \times 4) \\
 &= 32 - 16 \\
 &= \mathbf{16 \text{ cm}^2}
 \end{aligned}$$

2. How many squares are contained in the following diagram?

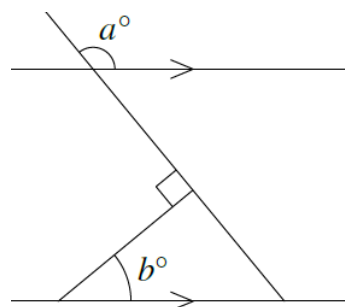


$$1 + 4 + 1 + 4 = \mathbf{10}$$

3. Calculate the value of $1^1 \times 2^2 \times 3^3$

$$\begin{aligned}
 &(1 \times 2) \times (2 \times 3) \times (3 \times 3) \\
 &= (2 \times 6) \times 9 \\
 &= 12 \times 9 \\
 &= \mathbf{72}
 \end{aligned}$$

4. In the diagram, $a = 132^\circ$. What is the value of b° ?



$$a = 132^\circ$$

Vertically Opposite $a = 132^\circ$

$$180 - 132 = 48^\circ$$

$$90 + 48 = 138^\circ$$

$$180 - 138 = 42^\circ$$

$$\mathbf{b = 42^\circ}$$

5. A tap is dripping constantly at 12 ml per 30 seconds. This continues until detected three hours later and stopped. How much water in liters was wasted in the three hours?

$$\begin{aligned}\frac{12}{30} &= 0.4 \text{ ml /sec} \\ 3\text{hours} &= 3 \times 60 \times 60 \\ &= 180 \times 60 \\ &= 10800 \text{ secs} \\ 10800 \times 0.4 &= \mathbf{4320 \text{ ml}}\end{aligned}$$

6. If $a=12$, $b=3$ and $c=18$, evaluate;

$$\begin{aligned}\frac{6a}{10} - 2b + c^2 \\ &= \frac{6(12)}{10} - 2(3) + (18)^2 \\ &= \frac{72}{10} - 6 + 324 \\ &= 7.2 (- 6 + 324) \\ &= 7.2 + 318 \\ &= \mathbf{325.8}\end{aligned}$$

PART 1

बोधन -Comprehension

“परोपकार” शब्द का अर्थ है पर और उपकार तथा दूसरों का उपकार करना । अपने को सुखी बनाने के लिए प्रत्येक मनुष्य हर प्रकार का कष्ट उठाता है । जब हम दूसरों की भलाई के लिए कष्ट उठाते हैं तो यही परोपकार है ।

परोपकार में अपना स्वार्थ नहीं देखा जाता । परोपकार मनुष्य दूसरों की भलाई करके विशिष्ट आनन्द का अनुभव करता है । परोपकार ही सबसे बड़ा धर्म है । परोपकारी इन्सान की इज्जत दुनिया करती है ।

परोपकार का ज्ञान हमें प्रकृति से मिलता है । सूर्य, चाँद, धरती से हम सब कुछ प्राप्त करते हैं पर देते कुछ नहीं । इसी प्रकार नदी, नाले, समुद्र, वृक्ष हमें जल, भोजन तथा फल प्रदान करते हैं ।

आजकल परोपकारी व्यक्ति कम मिलते हैं । बुराई के बदले बुराई करना मनुष्य का स्वाभाविक गुण है । जो बुराई के बदले भलाई करे वह महात्मा है । पर जो भलाई के बदले, बुराई करे वह दुष्ट कहलाता है ।

हम सभी को चाहिए कि परोपकारी बनें । आज यदि सब लोग परोपकार की भावना अपनाएँ तो सारे दुख सुख में बदल जाएँगे । प्रत्येक देश क्या संसार भी स्वर्ग हो सकता है ।

1.परोपकार शब्द का क्या अर्थ है ?

- क अपना उपकार
ग दूसरों का उपकार

- ख पड़ोसी का उपकार
घ सभी का उपकार

2.क्या परोपकारी मनुष्य अपना स्वाथ देखता है ?

- क जी हाँ
ग जी नहीं

- ख नहीं मालूम
घ कभी-कभी

3.परोपकार करते वक्त हम क्या अनुभव करते हैं ?

- क दुख
ग कष्ट

- ख दर्द
घ आनन्द

4.समाज में आजकल परोपकारी की संख्या-

- क बहुत ज्यादा है ।
ग कम है ।

- ख ज्यादा है ।
घ कुछ नहीं है ।

5.महात्मा व्यक्ति कैसा है ?

क जो बुराई के बदले बुराई करे

ग जो भलाई के बदले भलाई करे

ख जो भलाई के बदले बुराई करे

घ जो बुराई के बदले भलाई करे

6.परोपकार की भावना से क्या लाभ है ?

क दुख से और दुख होगा

ग दुख से दुख प्रपप्त होगा

ख दुख से सुख प्राप्त होगा

घ सुख से और सुख प्राप्त होगा

7.पाठ में आए “ भावना” शब्द का पर्यायवाची शब्द है

क इच्छा

ग इरादा

ख आदत

घ विचार

8.दुष्ट व्यक्ति कैसा है ?

क जो भलाई कत बदले भलाई करे

ग जो बुराई के बदले बुराई करे

ख जो बुराई के बदले भलाई करे ।

घ जो भलाई के बदले बुराई करे ।

इन प्रश्नों का उत्तर पूरे वाक्य में अपनी उत्तर पुस्तिका में लिखिए ।

9.परोपकार का ज्ञान हमें प्रकृति से कैसे मिलता है ?

जब हम परोपकारी विचार अपनाएंगे जैसे बुराई के बदले भलाई ।

10. इस संसार को हम स्वर्ग कैसे बना सकते है ?

जब हम परोपकारी इनसान बनेंगे ।

1076 NADI SANGAM SCHOOL
YEAR 8 – 2021
WEEKLY HOME STUDY PACKAGE 20 SOLUTION
ENGLISH – SHORT STORIES

Study the two stories given below and answer the question that follows

1. Title How the Island of Viwa Was Built

a) What was Rainima's request to Raibulu?

Ans: Rainima had requested for an island of his own and his people

b) How did Ratumaibulu assisted Rainima and his people?

Ans: He gave him what he wanted so in order to have the land he needs to bail out the water from the reef and he will raise the coral reef from the bottom of the sea.

c) Why was Ratumaibulu upset with Rainima and his people?

Ans: He did not follow his advice accordingly and together with that he stole water from Waya.

d) Draw one your favourite scene from the story and write few sentences about it?

Ans: Own Choice

2. The Prawns of Vatulele

a) What conditions did Yalewa ni Cagi Bula lay to her father before marriage? **She said that she will only marry a man who is bold, daring and imaginative and someone who can seize her in her arms and carry her away.**

b) How did young chief made his way to Vatulele to meet Yalewa ni Cagi Bula?

He threw large rocks into the sea making a string of stepping up to Vatulele and he leaped from rock to rock reaching to Vatulele.

c) What present did the young man brought with him for the young woman?

He brought along with a basket of cooked prawns.

d) What lessons do we learn from the story?

Being humble in life.

Treat people with kind and respect

e) Which part of the story is your favorite and why?

I like the part in which the man showed Yalewa ni Cagi bula her long line of rocks in the seas which he used to come across. I like it because he was determined enough with all his strength and knowledge to win the girl's heart.

1076 NADI SANGAM SCHOOL
YEAR 8 – 2021
WEEKLY HOME STUDY PACKAGE 20 SOLUTION
BASIC SCIENCE

1. Each organism has characters which enable it to survive in its own particular habitat. These characters are called
 - A. habit.
 - B. ability.
 - C. patterns.
 - D. **adaptations.**

2. Plant leaves which are spiny
 - A. obtain water.
 - B. float in water.
 - C. **prevent water loss.**
 - D. prevent heat loss

3. The function of the large intestine in humans is to
 - A. store food.
 - B. digest food.
 - C. **absorb water.**
 - D. absorb food.

4. An example of an omnivore is a
 - A. cat.
 - B. cow.
 - C. **human.**
 - D. cabbage

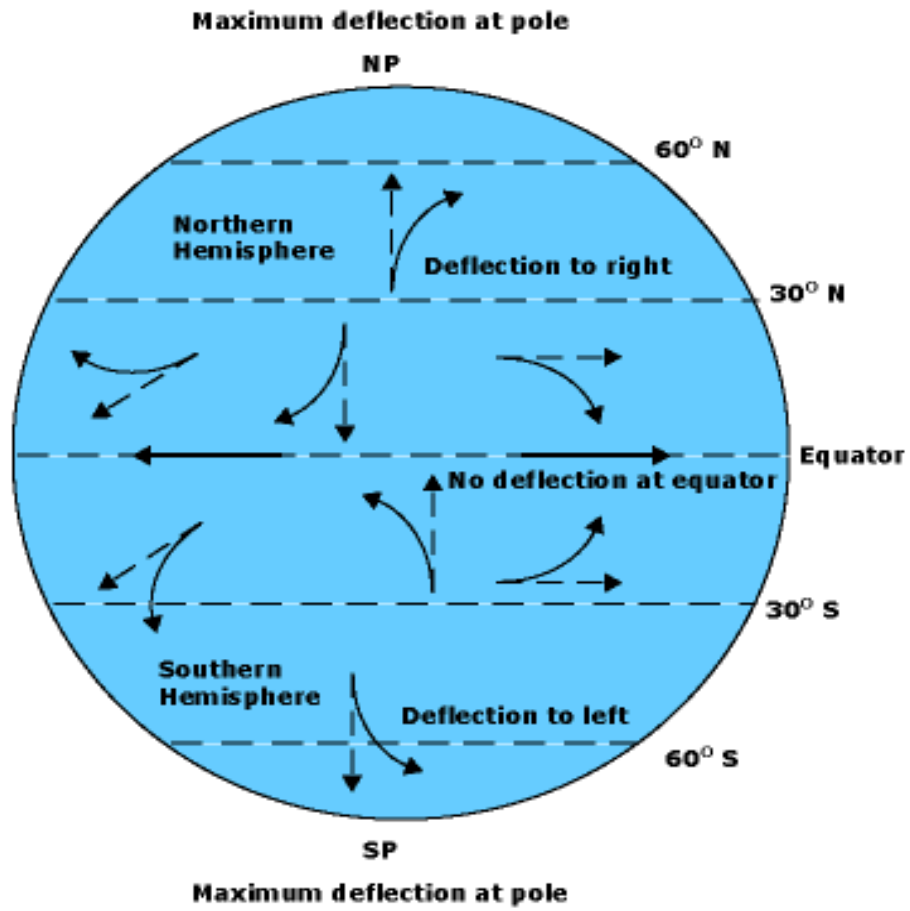
5. The mass of an object is the
 - A. frictional force on that object.
 - B. **amount of matter in that object.**
 - C. same as the weight of that object.
 - D. force caused by gravity on that object.

Paragraph Writing

Define the term Coriolis Effect and explain with an aid of a diagram.

The Coriolis effect describes the pattern of deflection taken by objects not firmly connected to the ground as they travel long distances around Earth. The Coriolis effect is responsible for many large-scale weather patterns.

Deflection is a turning aside or a bending, or a deviation from the normal position of something



1076 NADI SANGAM SCHOOL
YEAR 8 HEALTHY LIVNG
WEEKLY HOMESTUDY PACKAGE 20
SOLUTIONS

DEFORESTATION



1. Define deforestation?

The act of removal of trees and clearing the forest on a very large scale.



2. What is the process in this picture called?

Deforestation

3. What can be some reasons for this process to be occurring in this area?

The forests are cut down for certain reasons – to make land available for other uses, housing and urbanization, timber and large-scale cash crop.

4. List down the negative impact this process will have on the community near it.
Removing these forests pose great threats to our health and environment. Soil erosion, loss of species, (plants and animal) and carbon emission are some negative impacts of deforestation.

5. If you were living in this area, what can you do to prevent these destructive processes to happen again?

I would write to the relevant authorities and inform them about the negative impacts it has for the neighboring communities, OR write to the person / company in charge that is cutting down these trees and express my opinion on the issues that can arise from what the company / he / she is doing.

1076 NADI SANGAM SCHOOL
YEAR 8 – 2021
WEEKLY HOME STUDY PACKAGE 20 SOLUTION
FIJIAN

Tabai yaloyalo taka se lavetaka na vei yaya vaka viti se veeika e yaga vei keda ana kawa I taukei ka vakamacalataka na gauna e vakayagataki kina se na kena yaga

1. I kari ni Niu /vetaki- e Du kri kina na niu.



2. tanoa /dari ni yaqona-a lose kina na yaqona



3. na bavelo – vakayagataki e wai e na qoli .



A bavelo or dug-out.

1076 NADI SANGAM SCHOOL
YEAR 8 SOCIAL SCIENCE
WEEKLY HOMESTUDY PACKAGE 20
SOLUTIONS



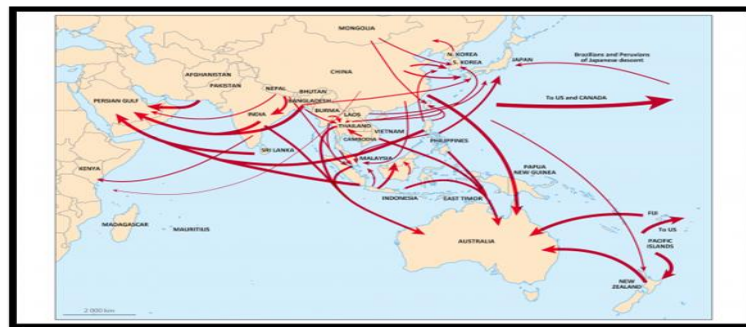
1. Define global village

The term global village means all parts of the world as they are being brought together by the internet and other electronic communication interconnections.

2. State one advantage and one disadvantage of globalisation.

advantage: access to new cultures / the spread of technology and innovations / lower cost of products / higher standards of living across the globe / access to new markets / access to new talents / international recruiting / managing employee immigration.

disadvantage: unequal economic growth / lack of local business / increases potential global recessions / exploits cheaper labor markets / causes job displacements



1. What do you understand by the term Migration?

Migration is to move from one country or region to another.

2. Define the following words:

- **Governance: the action of controlling or governing.**
- **Indigenous: originating or occurring naturally in a particular place.**
- **Melanesian: a native or inhabitant of any of the islands of the Melanesians.**
- **Polynesian: a native or inhabitant of Polynesia, or a person of Polynesian descent.**
- **Micronesian: a native of Micronesia**