Read the passage carefully and answer the questions that follow.

Conservation Effort to Preserve Life Below Water

A new initiative designed to support marine ecotourism and the Sustainable Development Goal 14 (SDG 14) was launched to mark a new era in marine conservation. The South Pacific Tourism Organisation (SPTO) in partnership with Beqa Adventure Divers (BAD) and the United Nations Development Programme (UNDP), with support from the Australian Government proudly
5 launched the My Fiji Shark Initiative in Suva on 18th of October, 2018.

With coastal pollution, overfishing and population growth, the oceans and the marine ecosystem are witnessing profound damage making the SDG 14 'Life Below Water' crucial for Fiji. There is optimism amongst scientists that new approaches to sustainable management and marine conservation can be found if traditional knowledge is complemented by science and technology.

10 Hence, the My Fiji Shark Initiative is a new innovative model to support the partners' efforts to realise this and raise the profile of marine conservation in the region.

According to the Chief Executive Officer of SPTO, this initiative is a tool to mobilise resources through tourism to implement the SDG 14 and support the 'Blue Pacific' identity as a **driver** for sustainable development in the region. This partnership is a demonstration of public-private
15 sector engagement in the conservation of the marine resources.

Beqa Adventure Divers is a credible business with research work to support the Shark Reef Marine Reserve. The initiative is working closely with the Shark Reef Marine Reserve managed by Beqa Adventure Divers, a local shark research, conservation and ecotourism operator, to raise the profile of marine conservation in the region through a shark adoption program.

20 UNDP Pacific Office in Fiji Country Director and Head of Pacific Regional Policy and Programme revealed that businesses globally have a big role to play in achieving the SDGs. It is also known that it will not succeed without private sector engagement and contributions. This initiative is all the more important as it targets SDG financing from the private sector.

My Fiji Shark Initiative supports work towards achieving the SDG 14 on Life Below Water,
25 which is specifically linked to marine ecotourism and involving 'Adopt a Shark' campaign. It is that it is the first SDG private sector financing model and marketing campaign are about oceans and marine species.

The initiative would mobilise resources by allowing sponsors to adopt individual sharks in their symbolic natural habitat. Several tiers of 'adoption' are being offered, with current proposals
30 ranging from US$50 - US$10,000 for adoption by the general public, with varying packages of benefits.

35 Beqa Adventure Diver's Head of Conservation and My Fiji Shark Program Coordinator is proud of this initiative and deeply grateful to their partners and sponsors as the funds raised will allow them to play their part in assisting the government to pursue the ambitious marine conservation and fisheries management goals it had announced at the 2017 Ocean Conference.

Furthermore, this project will also help to change the public's perception of these misunderstood animals that sharks are beautiful, intelligent, and dynamic creatures with individual personalities and character traits just like humans.

40 Sharks are also globally threatened by overfishing and habitat loss and deserve all the help they can get. However, Fiji's shark populations are faring comparatively well to global populations and also are the main attraction of a thriving niche product that has been shown to contribute more than FJ$80 million in sustainable income every year to Fiji's ecotourism industry.

Beqa Adventure Divers and My Fiji Shark Initiative are proud pioneers of Fiji's shark ecotourism industry and their message to everyone in Fiji is:

45 "Please help us nurture and preserve this unique and precious resource which has been part of Fijian culture since time immemorial and Adopt Your Shark Now."

Adapted from: *www.pacific.undp.org*

A.   **Multiple-Choice Questions**

Choose the **best** answer and write the **letter** of your choice.

1.   Which new initiative was launched as stated in paragraph 1?

        A.   My Beqa Adventures

        B.   My Tourism Initiative
        C.   My Fiji Shark Initiative
        D.   My Marine Environment

2.   What is the focus of Sustainable Development Goal 14?

        A.   Fijian Culture

        B.   Life Below Water
        C.   Pacific Regional Policy
        D.   Beqa Adventure Divers

3.   As used in the passage, the word **driver** in line 13 means

        A.   distress.

        B.   deserving.
        C.   misleading.
        D.   directing towards.

4.   The main goal of My Fiji Shark Initiative is to allow sponsors to

        A.   deplete the shark population.

        B.   lose interest in sponsoring sharks.
        C.   sell the Fijian breed of male sharks only.
        D.   adopt individual sharks in their natural habitat.

B.   **Sentence Completion**

        Complete the following sentences in your **Answer Booklet** using the ideas given in
        the passage. Use your **own word(s)** where possible.

5.	My Fiji Shark Initiative model would be helpful in supporting its partners' to

_____
_____

6.	The funds raised from this initiative will

_____
_____

7.	Globally sharks are threatened
by_____
_____

C.	**Open-ended Questions**

Use **your own words** as far as possible to answer the questions given below.
Write complete sentences.

8.	Explain a way in which shark populations contribute to Fiji's ecotourism industry.

_____
_____
_____

9.	List **two** human qualities attributed to the sharks in the passage.

_____
_____
_____

10.	Explain the significance of My Fiji Shark Initiative for the people in Fiji

_____
_____
_____
_____
_____.

HOME STUDY PACKAGE
LABASA SANGAM (SKM) COLLEGE
YEAR: 12
SUBJECT: GEOGRAPHY
WORKSHEET 4

(Read the notes provided for Week Four and answer the following questions)

1. Explain the concept of Shifting Cultivation

_____
_____
_____
_____

2. In your own words define Agroforestry.

_____
_____
_____
_____

3. Explain two environmental benefits of Agroforestry.

_____
_____
_____
_____

4. Explain two Economic benefits of Agroforestry.

_____
_____
_____
_____

5. Explain two Social benefits of Agroforestry.

_____
_____
_____
_____

6. State three disadvantage of Agroforestry.

_____
_____
_____
_____

7. What is shelterbelt?

_____
_____
_____
_____

8. Describe the different categories of agroforestry:
   a. Agrosilviculture

_____
_____
_____
_____

   b. Silvopastoral

_____
_____
_____
_____

   c. Agrosilvopastoral

_____
_____
_____
_____

9. Define and state the purpose of having a Recreation Forestry.

_____
_____
_____
_____

Worksheet 2

Week 4

NAME :--------------------------------

YEAR : --------------------------------

Home Study Package

Labasa Sangam (SKM) College

YEAR: 12

SUBJECT: HISTORY

WORKSHEET 1

(Read the notes given for WW2 on pages 5-7 to answer the following questions)

a) **Short Answer Questions**

1. Describe how the Great Depression affected the work of the League of Nations.

   _____
   _____
   _____

2. Give a reason for the failure of the League of Nations

   _____
   _____
   _____

3. Why was the Kellog-Briand Pact signed?

   _____
   _____
   _____

4. What was the main reason for the Locarno Treaties?

   _____
   _____
   _____

5. When was the Kellogg-Briand Pact signed?

   _____

6. Which major organization was set up in 1920 to prevent another world war?

   _____

7. Why was the Dawes Plan of 1924 passed?

   _____
   _____

Resource Interpretation

Resource I

Source: http://www.profbobsfunwithhistoricalstuff.com

1. State the year the Kellogg Briand Pact was signed and mention why it is depicted as a cake

_____
_____
_____
_____

2. Explain the significance of the candle explosion on the cake in 1939.

_____
_____

Resource 2

1.When was the young plan outlined and how did this plan assisted Germany?

_____
_____

3. Explain what happened that caused this plan to affect Germany .

_____
_____

WORKSHEET NO: 4   **STUDENTS NAME:**_____

SUBJECT: MATHEMATICS   **YEAR 12**_____(A/B/C/D/E)

DUE DATE: 16/8/2021

Instructions :

    I.   Write the answers in the space provided.

   II.   **File the lesson notes.**

  III.   Return the ***worksheets only*** on the due date as stated above.

1.

Find the equation of the line through point $(-2, 3)$ and perpendicular to $3y = 6 - 2x$.

2.

Line l is perpendicular to the line $y = 3x + 2$ and meets the x axis at $x = 5$.
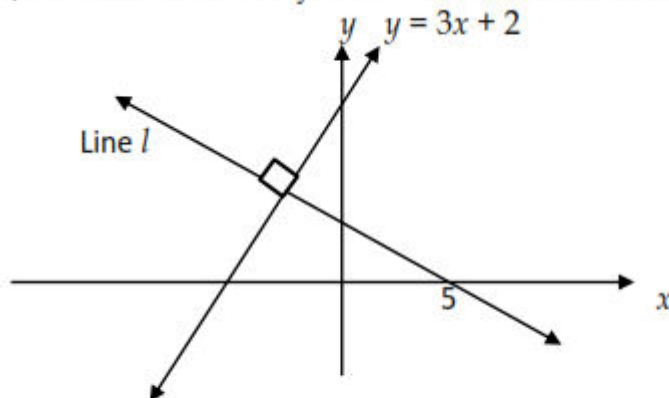
a) Calculate gradient of each line l.
b) Find the equation of line l.

a)   b)

LABASA SANGAM SKM COLLEGE

2021 WORKSHEET

YEAR 12B OFFICE TECHNOLOGY

INSTRUCTIONS

1. SIMPLY READ YOUR NOTES THOROUGHLY

2. READ THE QUESTIONS CAREFULLY

3. WRITE YOUR ANSWERS IN THE BLANK SPACES

NAME: _____

Strand 2 - Computer Concepts and Skills

Sub-Strand – Using Application Software

Chapter 6 Word Processing

Lesson 1: What Is Microsoft Word?

MULTIPLE CHOICE

1. Which of the following toolbar contains most frequent used commands from the Menu bar?
    a. Formatting toolbar
    b. Standard toolbar
    c. Status bar
    d. Title bar

2. In any office position, communicating with customers takes up?
    a. 60%
    b. 70%
    c. 80%
    d. 90%

3. A common computer software toolbar that gives information about the current status of a window is known as
    a. App bar
    b. Navigation bar
    c. Status bar
    d. Places bar

SHORT ANSWER QUESTIONS

A.   List the four stages of business letter writing

   (i)   _____

   (ii)   _____

   (iii) _____

   (iv)   _____

B. Describe the following terms:

    (i)   Microsoft Word

        _____

        _____

    (ii)   Toolbar

        _____

        _____

Lesson 2 Letter Construction

A. Describe **"You Attitude"** when composing business letters.

_____

_____

_____

B. Identify two phrases that you should not use while writing business letters.

    (i)   _____

    (ii)   _____

C. Briefly describe with an example how **constructive endings** will help you reader.

_____

_____

_____

_____

D. List the steps for constructing a persuasive letter.

_____

_____

_____

Lesson 3 Letter and Memo Layout

A.   Study the letter below and answer the questions that follow

---

Z.V.C

Zack Varga Communications
20 Merlins Lane, Newtown, CT 06470

PHONE: 646-280-7020
FAX: 646-280-0207
WEB: zvc.com

September 17, 2012

Mr. Mark Van Dyke, Professor
Marist College
3399 North Road
Poughkeepsie, NY 12601

Dear Mr. Van Dyke:

I am writing to propose an idea for an interactive exercise, which would be performed in a future
Public Relations class. The exercise would incorporate an activity where an "on the spot" choice
must be composed quickly in a response to a "crisis" situation that might come across in a public
relations department or organization. An exercise such as this can help improve critical thinking
skills, as well as making decisions against a realistic deadline in professional settings.

The field of public relations fascinates me because it encompasses thorough, 2-way
communication that allows for the regulation of mutual benefits between organizations and its
publics. Public relations creates a structure that promotes honesty as well as transparency in a
professional field, which appeals to my ideals as a professional. My learning style is more hands-
on and interactive, which allows for easier adaptability when engaging the work force. The
exercise suggestion stated above will help your class engage in a realistic situation of critical
thinking, as promote group collaboration. Exercises such as these can help students adjust to
think more on their feet as opposed to meeting an extended deadline.

Following acceptance of my proposal, I would like to expect to see the exercise performed in a
timely fashion during the next few weeks of your scheduled course classes, preferably Thursday,
the 27th. Your response would be most appreciated if received by Monday of next week. I hope
to hear from you soon. If you have any questions, please do not hesitate to contact me through
the contact information provided above.

Sincerely yours,

Zachary. A. Varga
Public Relations Department

(i)   Identify the layout used in the above letter: _____

(ii)   State the recipient and the sender's name.

        Recipient: _____

        Sender: _____

(iii)   Write the constructive ending used in the above letter.

        _____

B. Study the memorandum show below and answer questions that follow

Crafston Solutions, Inc.
100 N Central, Rowlett, TX 75083
(972) 463 1549

Memo

To: Department Heads
From: Debora Lynn
Date: December 10, 2006
Subject: Annual Bonus Leave for Employees with Outstanding Performane

Starting January 1, we will introduce the following modification in our company policy with regard to annual leave: every year one employee from each department will be awarded special annual bonus leave for outstanding performance.

The eligible employees will have additional five (5) days of annual leave credited on January 15. The bonus leave will be accounted for separately and will remain available until used, notwithstanding any other limitation of the total number of days of annual leave that may be carried forward.

We will have a meeting on December 15 at 10:00 a.m. to discuss the results of the 2006 performance evaluation and approve the final list of employees eligible for the bonus. The announcement to the employees will follow the meeting. If you have any questions or comments, please let me know before the meeting.

(i) Write a brief summary of the memo above.

_____
_____
_____
_____
_____
_____
_____
_____

(ii) State the date of the scheduled meeting for 2006 performance evaluation results.

_____

C. Define the following terms:

    (i)   Fax messages

_____

_____

_____

    (ii)   Mail merge

_____

_____

_____

D.   Briefly describe two advantages of internal memorandum

_____

_____

_____

_____

_____

_____

LABASA SANGAM (SKM) COLLEGE

HOME STUDY PACKAGE

YEAR 12 PHYSICS

WORKSHEET 4

Week 4 ACTIVITY

2.1 ENERGY TRANSFORMATION

1. A mass of 1.5kg hung from the end of a spring extends the spring by 30cm.
(a) Calculate the spring constant

(b) How much elastic potential energy is stored in the spring?

2. What power does a sprinter of 65kg generate if the person runs upstairs of height 1000m in 25s.

3. An object of mass 20kg is lifted to vertical height of 10m.

a) Calculate the workdone against the earths gravitational field.

b) What is the gain in the gravitational potential of the object?

c) Calculate the kinetic energy of a car having a mass of 500kg and moving at 22m/s.

4. A spring stretches 10cm when a force of 50N is applied to it.

i. State **Hooke's law**.

ii. Calculate the value of the spring constant, k, of the spring.

iii. What will be the extension of the spring when a force of 200N is applied to it?

iv. What amount of elastic potential energy is stored in the spring when stretched 10cm?

Name:_____

Year:_____

School: Labasa Sangam (SKM) College
Subject: Technical Drawing
Worksheet 1/Week 4

Year /Level: 12C/D/E
Due Date: 16/08/21

Circle the letter that represents the **best** answer for multiple choices.

Q1. Multiple choice questions

1. The name given to the CAD symbol on the right is a/ an
   A. mirror.
   B. stretch.
   C. intersection.
   D. perpendicular.

2. The AutoCAD symbol shown on the right is a
   A. Mirror.
   B. Stretch.
   C. Intersection.
   D. Perpendicular
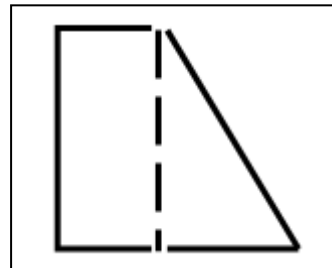
3. The CAD symbol which represents copy is

   A.   B.   C.   D.
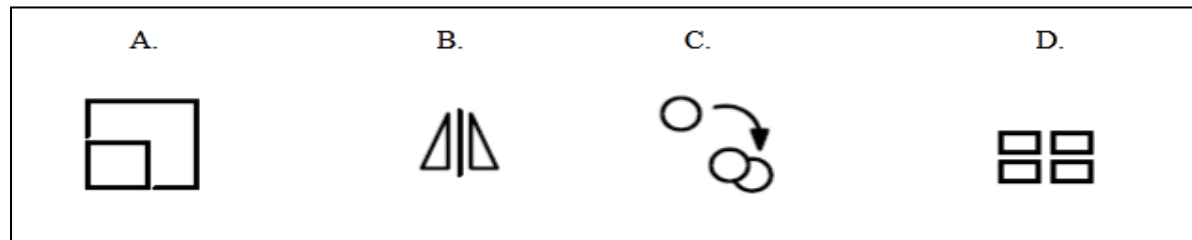
4. Which of the following AutoCAD Classic commands will produce various types of shape?
   A. Line
   B. Spline
   C. Ellipse
   D. Polyline

5. Which of the following AutoCAD Classic commands will produce a line at 45°?
   A. Fillet.
   B. Bevel.
   C. Explode.
   D. Chamfer.

6. The last three headings in the Menu Bar in Auto CAD Classic is
   A. File, Edit and View

   B. Window, Help and Express
   C. Draw, Dimension and Modify
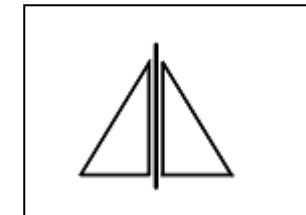   D. Dimension, Modify and Parametric

7. The Auto CAD command shown below is
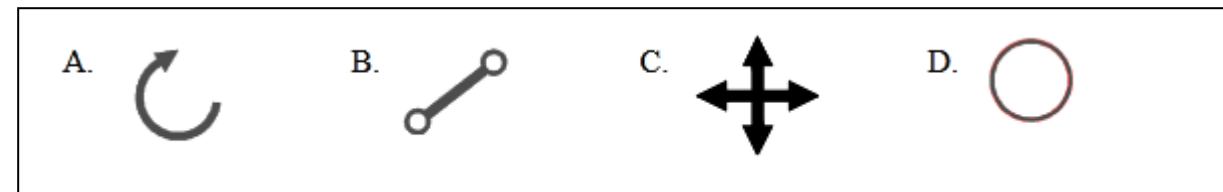   A. Move.
   B. Copy.
   C. Array. D. Hatch.
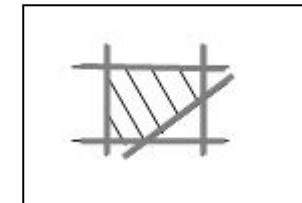
8. Which of the following Auto CAD commands is shown below?
   A. Line
   B. Move
   C. Mirror
   D. Offset

9. Which of the following Auto CAD command symbols represents a 'Move'?

   A.   B.   C.   D.

10. The Auto CAD command symbol given on the right represents
    A. trim.
    B. line break.
    C. extend.
    D. join.

11. Which of the following Auto CAD command symbols represents array?

    A.   B.   C.   D.

12. Producing computer generated drawings is called
    A. CAD
    B. CIMb.
    C. AM
    D. GPS

13. The AutoCAD command to draw rounded corners is
    A. Ortho
    B. Array
    C. Fillet
    D. Chamfer

14. The AutoCAD command to make single and multiple copies is:
    A. Copy
    B. Mirror
    C. Array
    D. Grid

15. The AutoCAD command to draw half an object and duplicate the other half is:
    A. Copy
    B. Mirror
    C. Array
    D. Grid

16. The AutoCAD command to edit the length of objects is:
    A. Array
    B. Chamfer
    C. Trimd
    D. Ortho

17. The AutoCAD command to create arrangements of objects is:
    A. Array
    B. Chamfer
    C. Trim
    D. Ortho

18. The AutoCAD command to remove portions of lines, circles and arcs is:
    A. Array
    B. Chamfer
    C. Break
    D. Ortho

19. Fig 2012.3 is the _____ top section of the screen layout that contains customizable icon panels which allow us to quickly access the commonly used commands available in AutoCAD
    A. Status Toolbar
    B. Command Prompt Area
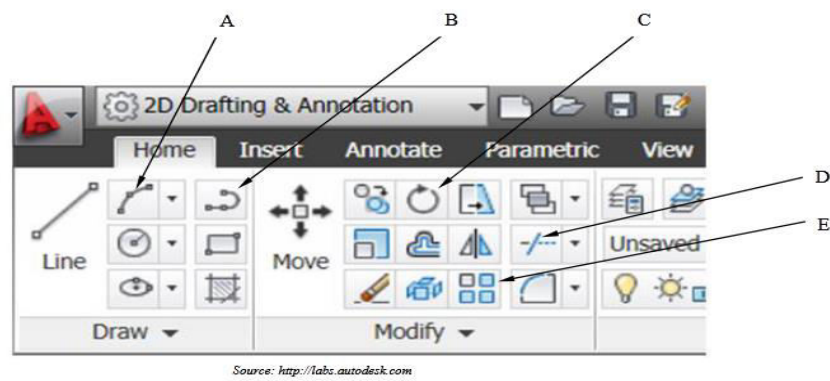   C. Application Menu
    D. Ribbons Tabs and Panels
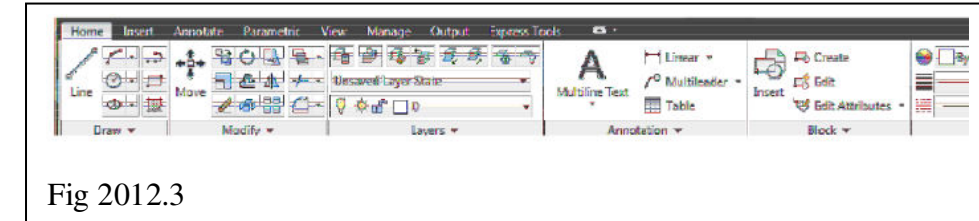
Fig 2012.3

20. Fig 2012.4 is the Draw and Modify toolbar panels that contain icons for _____ draw and modify commands.
    A. Draw
    B. Properties
    C. Dimension
    D. utilities

Fig 2012.4
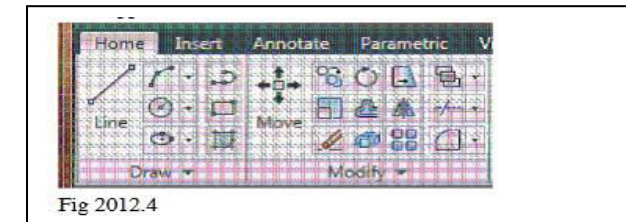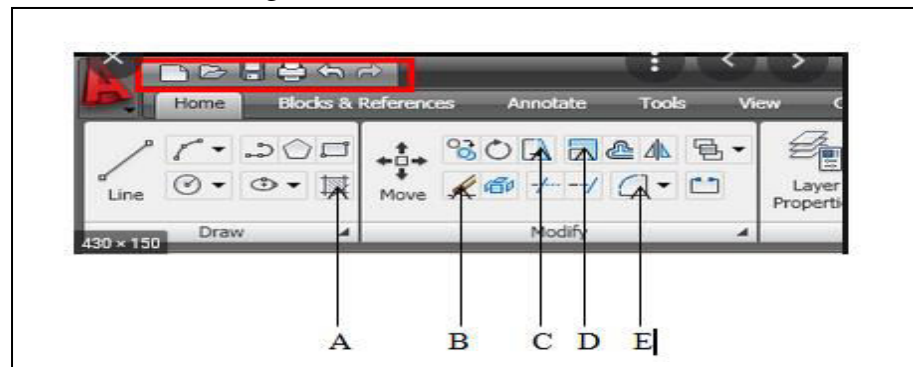
QUESTION 2

(a)Given: A 2D drafting and annotation

Source: http://labs.autodesk.com

Required: Name the AutoCAD icons A to E.

A:_____

B:_____

C:_____

D:_____

E:_____

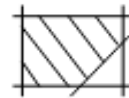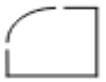| BQ3A			
1	Correct names	5	

(b)Given: A 2Ddrafting and annotation

Required: Name the AutoCAD icons A to E.

A:_____
B:_____
C:_____
D:_____
E:_____
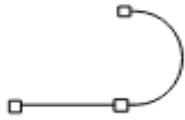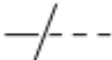
BQ3A			
1	Correct names	5	

(c)Given: A table of Auto CAD icon commands for a2D drafting and annotation.

Required: Write the name of the icon commands in the spaces provided on the right

ICON COMMANDS	NAME
	_____
	_____
	_____
	_____
	_____

(5marks)

(d).Given: A 2Ddrafting and annotation

(i).Required: Name the AutoCAD icons A to E.

A:_____

B:_____
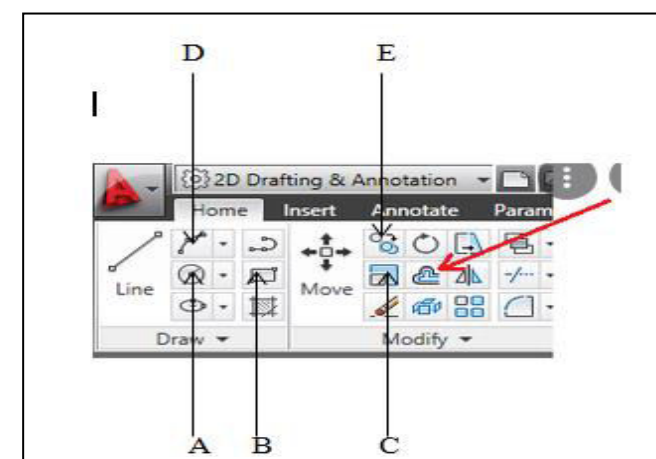
C:_____

D:_____

E:_____

(5 marks)

QUESTION 3

(a)Given: A 2Ddrafting and annotation

(i)Required: Name the AutoCAD icons A to E.

A:_____

B:_____

C:_____

D:_____
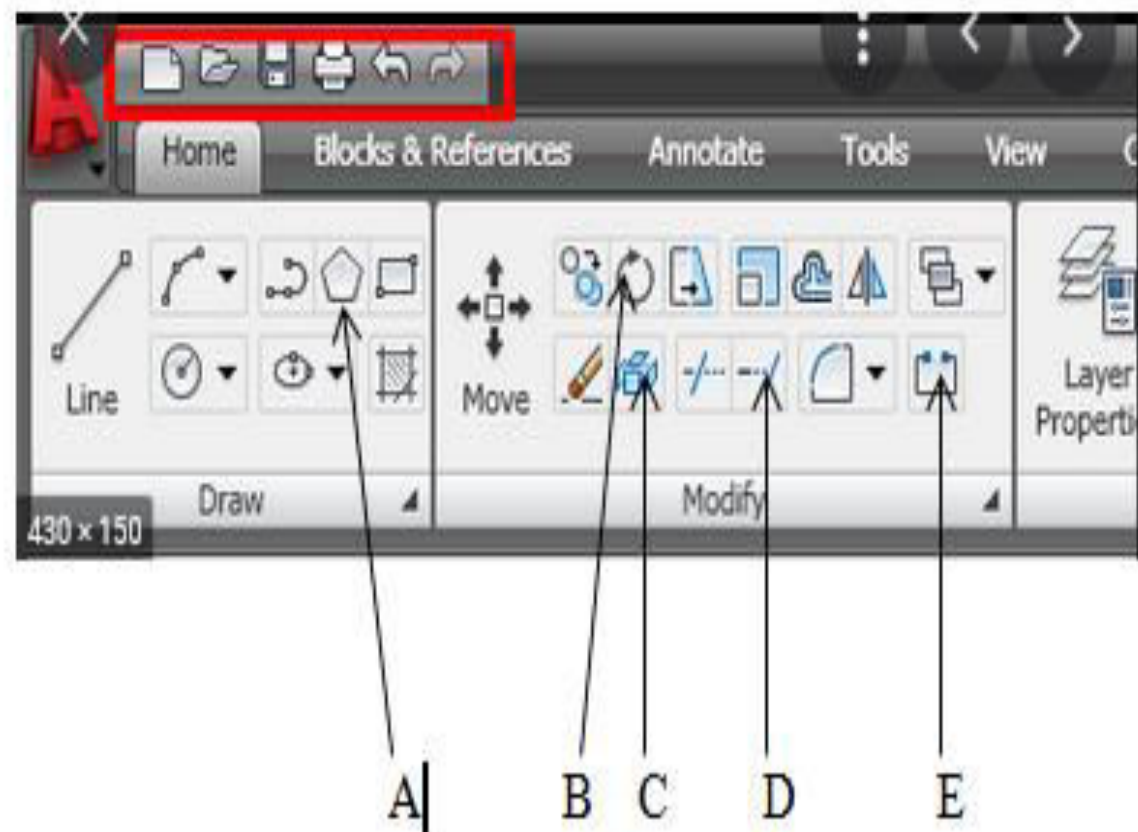
E:_____   (5marks)

(ii)What is the long form for CAD?(1 mark)

_____   (1 mark)

(c)Given: A 2Ddrafting and annotation

(i)Required: Name the AutoCAD icons A to E.

A:_____

B:_____

C:_____

D:_____
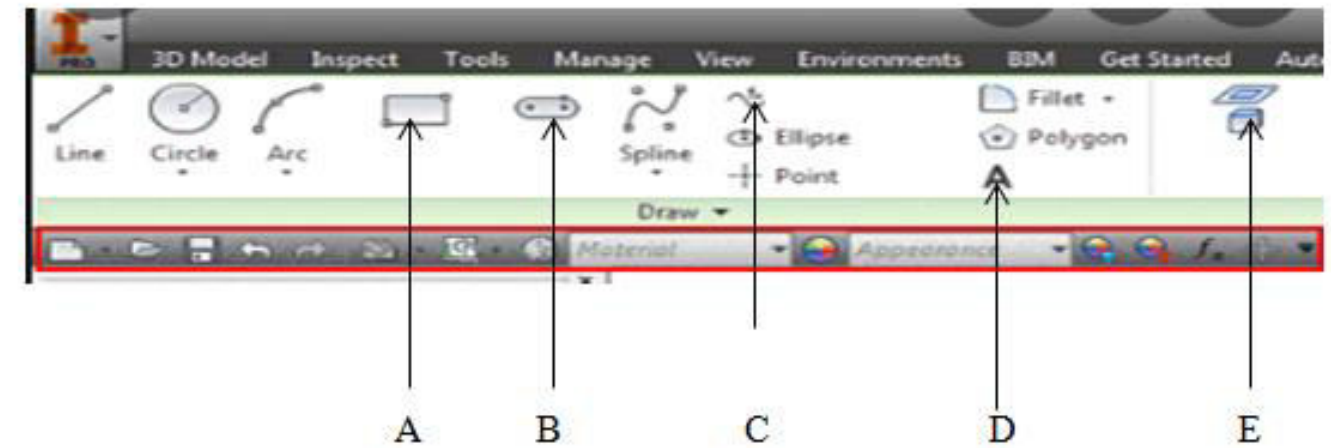
E:_____

(5marks)

(ii)What is different between Menu bar and a status bar?

_____

_____

_____

(2 marks)

(iii) Define the following

1. Navigation tool-

_____

_____

_____

(1 mark)

2. Ribbon-

_____

_____

_____

(1 mark)

Week 4- 5   CAKACAKA LAVAKI

Yacamu: _____   **Yabaki:_____**

Cakacaka Lavaki (Cultural Essay)

Vakamacalataka mada mai ena va na parakaravu na veika e vakasakiti kina na noda itovo na itaukei me baleta e dua ga vei rau na soqo(vakamau/sucu ni gone)ka vakamatatataka talega kina na veisau e laurai kina kei na rua na sala e rawa ni   vakabulabulataki kina na noda itovo oqori.

Vola eke na nomu Navunavu:

_____
_____
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Vola eke na nomu vakasama:

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LABASA SANGAM (SKM) COLLEGE

YEAR 12 ACCOUNTING WORKSHEET

HOME STUDY PACKAGE-2

Worksheet Number :1   **Due Date: 16/08/21**

Name of the Student: _____

Year: _____

Multiple Choice Question.

1. Prepayment is also known as
   A. Expired Cost
   B. Unpaid Expenses
   C. Unexpired Cost
   D. Expenses Accrued

2. Pre received revenue is classified in the balance sheet as
   A. Current Liability
   B. Current Asset
   C. Proprietorship
   D. Net Worth.

3. The general journal entry for income receivable is
   A. Income Due Dr, Income Cr
   B. Income De, Income Due Cr
   C. Income Dr, Income received in advance Cr.
   D. Income Received in advance Dr, Income Dr

Short Answer Questions

1. **Define Balance Day Adjustments.**

_____
_____
_____

2. **State two reasons for balance day Adjustments.**

_____
_____
_____
_____
_____

3. **Define the following concepts:**

Concept	Definition
Prepayments	
Accrued Expenses	
Income Accrued	
Revenue received in Advance	

4. **Identify the following balance day adjustments whether as current asset or current liabilities**

Concept	Elements
Prepayments	
Accrued Expenses	
Income Accrued	
Revenue received in Advance	

LABASA SANGAM (SKM) COLLEGE

YEAR 12 ACCOUNTING WORKSHEET

HOME STUDY PACKAGE-2

Worksheet Number :1   **Due Date**: 16/08/21

Name of the Student: _____

Year: _____

Define the following concepts:

Concept	Definition
Bad Debts	
Doubtful Debts	
Depreciation	

2. State two reasons for writing off bad debts.

_____
_____
_____
_____
_____

3. Write down the general journal entries for the following balance day adjustments in the space provided below:

i. Bad Debts

ii. Doubtful Debts

iii. Depreciation

Date	Particulars	Debit	Credit

4.State the formula for doubtful debts in the space provided below:

Worksheet Number :3   **Due Date: 16/08/21**

Name of the Student: _____

Year: _____

Multiple Choice Question

1. Interest on loan due is classified in the balance sheet as
   A. Current Asset
   B. Current Liabilities
   C. Proprietorship
   D. Net Worth

2. which of the following will appear in the balance sheet
   A. Doubtful Debts
   B. Rent Income
   C. wages
   D. Provision for Doubtful Debts

Activity

The following represents the trial balance extract of Kamal Enterprises:

Trial balance (Extract) of Kamal Enterprises as at 31st March 2015			
	$		**$**
Accounts Receivable	2500	Accumulated Depreciation	1200
Cash At Bank	5000	Allowance on Doubtful debts	30
Interest on loan	800	Accounts Payable	1500
Fittings	20000	Loan (8%)	12000
Rent	650	Commission	150
Advertising	345		

Additional Information

- Interest on loan for the year is owing
- Advertising prepaid $100.00.
- additional bad debts written off amounted to $250.00.
- allowance for doubtful debts to be adjusted to 5% of account receivable.
- depreciation is at 105 p.a using straight line method.
- Rent for the year is $800.00
- Commission received in advance $180.00.

Required:

Prepare the general journal entries for the above adjustments

Solution:

Date	Particulars	Debit	Credit

LABASA SANGAM (SKM) COLLEGE
HOME STUDY PACKAGE – YEAR 12 AGRICULTURE
WORKSHEET 4

NAME:_____   YEAR: 12____

DUE DATE: 16/7/21

ORNAMENTAL HORTICULTURE

1. List 5 factors that determine the method by which ornamental plants are propagated.
   (i)   _____
   (ii) _____
   (iii) _____
   (iv) _____
   (v)   _____

2. Explain the following methods of growing plants in containers.
(i)   Pot plants _____
(ii)   Bonsai   _____
(iii)   Terrarium garden _____
(iv)   Dish garden   _____

3. State 4 features of a pot suitable for pot plants.
   (i)   _____
   (ii) _____
   (iii) _____
   (iv) _____

4. Identify 6 materials from which containers are made for pot plants
   (i)   _____
   (ii) _____
   (iii) _____
   (v)   _____
   (vi) _____

5. List 5 things that a potting mix should provide to plants.
   (i)   _____
   (ii) _____
   (iii) _____
   (iv) _____
   (v)   _____

6. Name 5 ingredients that can be used as potting mix.
   (i)   _____
   (ii) _____
   (iii) _____
   (iv) _____
   (v)   _____

7. State 1 reason why coconut husk (coir) is used in potting mixes.
   _____
   _____

School : Labasa Sangam(SKM) College   Year/level: 12D/E
Subject: Applied Technology   Student Name:_____
worksheet number: 1 week:4   Due Date: 16th August 2021

1. Draw a freehand sketch of a simple project using each joint learnt.

Tee bridle joint	Mortise and tenon joints	Common or through mortise and tenon joint
Haunched mortise and tenon joint	**Long and short shouldered mortise and tenon joint**	**Common or through dovetail angle joint**

HOME STUDY PACKAGE 2

LABASA SANGAM COLLEGE

WORKSHEET 4

YEAR 12 BIOLOGY

STUDENTS NAME: _____

Write the answers in the spaces provided.

1. Fungi and bacteria have external digestion.
    i.   Explain what external digestion means.

    _____
    _____

    ii.   What is the potential disadvantage of external digestion?
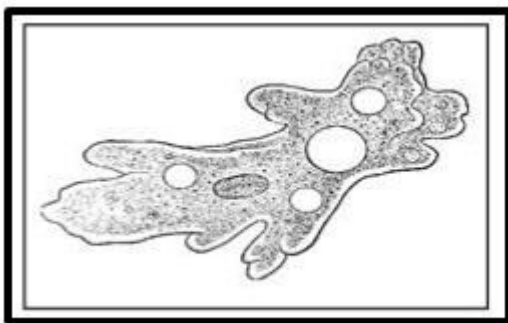
    _____
    _____

    iii. Why is this disadvantage not a problem for fungi?

    _____
    _____

2. Study the diagram of the Amoeba sp. given below to answer the following question.
   Circle the correct answer

Source: https://www.thinglink.com

The above organism feeds through
    A. Diffusion.
    B. Engulfing food particles.
    C. Decomposing and absorption.
    D. Ingestion through mouth-like structure.

WORKSHEET 4

1. What is activation energy?

2. Give some differences between endothermic and exothermic reactions.

3. Consider the diagram given below and answer the questions that follow.
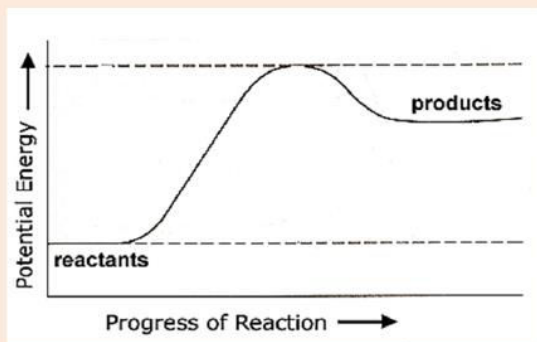
   i.   Is the reaction endothermic or exothermic? Justify your answer.
   ii. Label the Activation energy (E_a) and the enthalpy change (ΔH).

4. Consider the reaction given below and answer the questions that follow.

$$S_{(s)} + O_{2\,(g)} \rightarrow SO_{2\,(g)} \qquad\qquad \Delta H = -296.8 \text{ kJ/mol}$$

   i.   Is the reaction above endothermic or exothermic? Give a reason for your answer.
   ii. Calculate the heat energy released when 65 g of sulphur is burnt.

5. Using the reaction equation given below, calculate the amount of heat energy released when 8 g of methane undergoes combustion.

$$CH_{4\,(g)} + 2O_{2\,(g)} \rightarrow CO_{2\,(g)} + 2H_2O_{(g)} \qquad \Delta H = -895 \text{ kJ/mol}$$
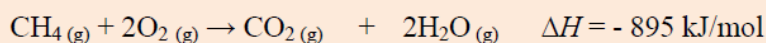
6. Consider the following equation which represents the burning of carbon monoxide:

$$2CO_{(g)} + O_{2\,(g)} \rightarrow 2O_{2\,(g)} \qquad\qquad \Delta H = -566 \text{ kJ/mol}$$

   Calculate the enthalpy change when one mole of carbon monoxide burns.

Students Name :_____

Year : _____

Strand : 2 Application package

Sub- strand :Visual Basic

Activity

    (a)   Differentiate between syntax and logic errors.

_____

_____

_____

    (b)   What is debugging?

_____

_____

_____

    (c)   Name two categories falls under program maintenance.

_____

_____

_____

    (d)   Differentiate between compilers and interpreters.

_____

_____

_____

(e)   Draw a flowchart of the program that

•   accepts total marks of year 11 students.

•   determine where to go using the following criteria

Marks	Year
300-400	12 A
250- 299	12 C
0-249	12 B

Write the procedure to complete the above task.

LABASA SANGAM (SKM) COLLEGE

COMPUTER STUDIES – YEAR 12

2021

WEEK 5

Students Name : _____

Year : _____

Strand : 2 Application package

Sub- strand :Visual Basic

ACTIVITY

1. The translator that converts source code to object code is called
   A. machine code.   C. compiler.
   B. interpreter.   D. BASIC.

2. Which one of the following is the most frequently used language in business programming ?
   A. CASE   C. COBOL
   B. BASIC   D. PASCAL

3. There are several methods of program checking.

   Explain desk checking.

   _____
   _____
   _____

4. The aim of a programmer is to write a good program.
   State one quality of a good program.

   _____
   _____
   _____

5. What is a Pseudocode?

   _____
   _____
   _____

6. Name the three control structures used in basic programming

   _____   _____

   _____

Students Name :_____

Year : _____

Strand : 2 Application package

Sub- strand :Visual Basic

ACTIVITY

1. Why is Visual Basic such a popular programming language?
_____
_____
_____

2. What are some of the standard elements that can be placed on a Windows Form?
_____
_____
_____

3. What are objects and properties? How are they related to each other?
_____
_____
_____

4. What is the purpose of these Visual Basic file types: .sln and .vb?
_____
_____
_____

5. Visual Basic is event-driven. What does this mean?
_____
_____
_____

6. What is the purpose of an IDE?
_____
_____
_____

HOME STUDY PACKAGE

LABASA SANGAM COLLEGE

WORKSHEET NUMBER 4

NAME: _____

YEAR: 12___

SUBJECT:

ECONOMICS

DUE DATE: 16TH AUGUST 2021

Reference: A Direct Approach- Year 12-pages 107

ACTIVITY 3.4.5

Use the table below to calculate the values of M1.M2 and M3.

Monetary aggregates	$ millions
Accounts operable by EFTPOS	14 221
Accounts operable by EFTPOS and cheques	9 489
Notes and coins held by the public	2 465
Term deposits	46 355

Reference: FY12CE 2016

An economist named Irving Fisher devised the **Quantity Theory of Money Equation** as shown below.

$$MV = PQ$$

(i)   State what **V** stands for in the equation above.   **(1 mark)**

(ii) Describe the **relationship** between price and money supply in the equation.   **(1 mark)**

Solutions

(i) _____

(ii) _____

_____

_____

_____

Use the information given below to answer the question that follows.

Money Aggregates	$ million
Notes and coins in circulation	15
EFTPOS deposit balances	26
All fixed term deposits	59
Inter financial institutional funding	25

Calculate **M3** from the information in the table.   **(2 marks)**