

Dashain Vacation Homework - 2075

Question Set

Grade XI (Management)

Sub: Accountancy

1. Write any three functions of accounting.
2. What is meant by Money Measurement Concept and Business Entity Concept?
3. Write in brief about the scope of accounting.
4. Mention any two differences between accounting and book keeping.
5. What do you mean by matching concept?
6. What do you understand by business entity concept?
7. Write any two advantages of double entry book keeping system.
8. Following transactions are given:
 - a) Started business with cash Rs. 380,000 and furniture Rs.40,000
 - b) Paid wage Rs. 30,000 and outstanding wages Rs.20,000.
 - c) Goods costing Rs.12000 was sold for Rs.13800.
 - d) Purchased goods Rs.22000 on credit.

Required: Accounting Equation

9. Following transactions are given:

- a) Started a business with cash Rs. 5,00,000 and bank balance Rs. 3,00,000.
- b) Goods purchased Rs. 2,00,000.
- c) Salary paid Rs. 50,000.
- d) Paid rent Rs. 25,000 including advance of Rs. 5,000.

Required: Accounting Equation

10. The following transactions are given:

Baishakh 1: Goods sold to Mahesh Rs.2,40,0000

Baishakh 5: Received goods returned by Mahesh Rs 40000

Baishakh 10: sold goods to Mahesh Rs 80,000.

Baishakh 15: Received a cheque of Rs 97000 from Hari in full settlements

of Rs.1,00,000.

Required: (a) Journal Entries (b) Mahesh's Account

11. The following transactions are given.

- a) Commenced business with cash Rs. 80,000 and bank balance Rs. 50,000.
- b) Bought goods for Rs. 10,000 from Ram.
- c) Issued a cheque to Ram after deducting 5% cash discount.
- d) Sold an old computer to Shyam for Rs. 10,000.

Required: Journal Entries and Ram's Account

12. Following purchased transaction are given:

Jestha 5: Purchased from Nirmal Stores Chandragadi:

150 pieces of Marketing book @ Rs400 per book

500 pieces of Business studies book @ Rs85 each.

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(Trade discount 10%)

Jestha 15: Purchased from Big Brother:

700 pieces of Accountancy book @ Rs580 each.

200 pieces of Economics book @400 each.

Required: a) Purchased Book

13. Following purchase transaction relating to a business are given:

4th Jan. 2011 Purchased on credit from Thapa Electric House, Thamel

50 pcs of electric kettle @ Rs. 300 each.

50 pcs of electric heater @ Rs. 190 each (trade discount 5%)

6th Jan. 2011 Purchased from Chameli Electric House, Lagankhel

100 pcs of electric Iron @ Rs. 600 each

60 dozens of 100 watt bulbs @ Rs. 15 per piece

(Trade discount @ 10%)

15th Jan 2011 Purchased from Sulochana House, Balaju on cash

20 pcs of ceiling fans @ Rs. 500

20th Jan 2011 Purchased a computer for Rs. 50,000 on credit

Required: a) Purchase Book b) Purchase Account

14. Following cash and banking transactions are given for the year 2068.

Magh 1 Opening balance of cash Rs. 40,000 and overdraft balance of bank Rs. 10,000.

Magh 5 Sold goods for cash Rs. 35,000.

Magh 15 Paid into bank Rs. 32,000.

Magh 20 Purchased goods of Rs. 15,000 and issued a cheque for the same after deducting Rs. 1,000 discount.

Magh 22 Cash Rs. 2500 withdrawn from the bank for the payment of owner's life insurance premium.

Magh 24 Goods purchased from Shrawan Rs. 8,000.

Required : Cash book with cash and bank column.

15. Following cash and banking transactions are given:

Bhadra1: Balance at bank Rs 230000 and in hand Rs 67000

Bhadra 7: Recived cheque for sale of goods Rs44000

Bhadra 12: cash deposit into bank Rs35000

Bhadra 18: Issue a cheque Rs. 11500 in favor of Bharat in settlement of Rs. 12000

Bhadra 24: Recived Rs. 33000 from debtors in cash

Bhadra 27: Issue a cheque of Rs. 55000 for the payment of salary of the Month.

Required: Cash book with cash, bank and discount columns.

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16. Following particulars are given:

At the end of Chaitra 2067, the cash book showed a debit balance of Rs. 75,500 whereas the pass book showed the credit balance of Rs. 83,500. On the inspection, following transactions were found to cause the difference between the balances.

- a) Interest Rs. 500 provided by the bank and not shown in cash book.
- b) A cheque of Rs. 12,000 was issued but not presented into bank for payment.
- c) Cheques of Rs. 15,500 were deposited in the bank but cheque of Rs. 10,500 only were credited by the bank.
- d) Bank charges of Rs. 1200 was debited by the bank only.
- e) The bank received Rs. 1700 directly by the customer but not recorded in cash book.

Required: Bank Reconciliation Statement

17. On 30th chaitra 2072 cash book showed a debit balance of Rs.27000. other transactions are given below:

- a) Cheques amounting to Rs.7000 were issued but not presented for the payment.
- b) Cheque deposited into bank but not credited by bank Rs.7200
- c) Bank commission charged by bank but not credited in the cash book Rs.400
- d) Amount directly collected by the bank from customer but not recorded in the cash book Rs 12000.
- e) A cheque of Rs 40000 sent for collection but only Rs. 4000 was credited by bank.

Required: Bank reconciliation statement.

18 Following are the transactions related to Samir & CO.

2070-04-01: Started a business with Cash of Rs. 280000, Bank of Rs. 460000 and Stock of Rs 220,000

2070-04-03: Business materials Purchased Rs. 840000

2070-04-05: Goods Sold Rs. 720000 on credit.

2070-04-07: computer of Rs. 80000 Purchased from Bimal.

2070-04-09: Goods Sold to Sailendra Rs 44000.

2070-04-11: Wages paid Rs 1200 and outstanding wages Rs.340

2070-04-17: Salary due Rs 6000

2070-04-19: Cash paid to Bimal after deducting 10% discount

2070-04-23: Cheque received from Sailendra after deducting 5% discount.

2070-04-25: Goods sold on Rs. 22000

2070-04-27: Office sofa purchased on credit Rs. 24000

2070-04-29: Cash deposited in to the bank Rs. 41800

2070-04-29: Goods of Rs. 7000 withdrew from business for personal use.

2070-04-30: Cash of Rs. 18000 withdrew from bank but only 80% amount for business use.

Required: (a) Journal Entries (b) Sailendra's A/C

19. Following transactions are given:

Magh 1: Cash in hand Rs 48000 and cash at bank Rs.72000.

Magh 2: Goods costing Rs. 7400 was purchased at Rs. 7200.

Magh 13: Cash received from Makunda of Rs.2700 and settled his account of Rs.3000.

Magh 17: Cash deposited into the bank Rs 44000

Magh 23: Cash withdrawn from bank for personal use Rs 10,000

Magh 24: Cheque received from customer Rs 12000.

Magh 27: Interest Rs 8000 received.

Magh 28: Cash withdrawn from bank for office use Rs, 4000

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Magh 28: Cash deposited into the bank Rs 9000.

Magh 29: Salary of Rs 8700 paid by cheque.

Required: Triple Column Cash Book

20. Following transactions are related to purchase return:

Baishakh 1: Return to Manoj:

2 tape records @Rs 1200 each

3 radios @Rs 7200 each

Baishakh 8: Returned to Kamal:

3 television sets @ 18000 (10% trade discount)

Baishakh 19: Returned to Sushil:

12 telephone sets @ 1000 each

7 computer mouse @240 each.

Required: Purchase return book and purchase return account.

21. Following transactions are related to Hari & Co.

a) Furniture costing Rs 70000 sold at a profit of Rs.1200.

b) Purchased goods from Hem for Rs 23000

c) Accepted a bill drawn by Hem for Rs. 23000

d) Charged depreciation on furniture Rs 12000

e) Goods costing Rs 30000 lost by fire and claim admitted by insurance company for Rs 19000.

f) Rent paid in advance Rs 1000

g) Salary Rs 2000 was due but not yet paid.

Required: Journal Entries

22. The following transactions are extracted from the books of Janak for the month of July:

July 1: Started a business with cash and stock of Rs 400000 and Rs.320000 respectively.

July 7: Paid into bank 43000

July 12: Purchased goods from Ganesh Rs 32000 and paid partially Rs.22000.

July 18: Withdrew from bank for private use Rs 7000 and office use Rs 9000.

July 19: Sold goods to Bhumi for Rs 10000 and received cheque 4000 partially.

July 27: Paid to Ganesh in full settlement by cheque.

July 29: Paid Rs 11000 for sundry expenses and Rs.4800 for salary expenses.

July 30: Issued cheque of Rs. 18000 to Ranjana after deducting 10% discount.

Required: Double column cash book with cash and bank column.

1. ABC Company purchased machinery on Baisakh 1, 2060 for Rs. 90,000 and spent Rs. 20,000 for its transportation and installation. The expected life of the machinery was 5 years with estimated scrap value Rs. 10,000. On 1st Kartik 2061, the company purchased another machine for Rs. 50,000 with expected working life of 10 years and zero scrap value. On 1st Kartik 2062, the first machine was disposed off at Rs. 75,000. On the same date, another new machinery was purchased for Rs. 100,000 and working life is 10 years. The accounts are closed on 31st Chaitra each year. Straight line depreciation policy is applied.

Required: Machinery account for first three years.

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Question Set

XI (Science, Management & Law)

Sub - Compulsory

English

1. Answer the following questions:

- a) What does Barbara Holland say about having many children? (*Speaking of Children*)
- b) “The cup is a detail uncharged finger from mid-century bonfire”. Explain. (*Look at a Teacup*).
- c) Explain the paradox in “The Child is father of the Man”. (*My Heart Leaps Up When I Behold*)
- d) What details in the story suggest to the reader that the little girl is in fact a ghost? (*The House Call*)
- e) What made Armando think that he was going to be robbed? (*Fear*)
- f) Why did the doctor have a look of surprise on his face when Elda told him that her little daughter died in September? (*The House Call*)
- g) What is the relation between the three day blow and Nick’s mental condition? (*The Three Day Blow*)
- h) What obstacles old Phoenix comes up against on her way to the hospital and how she deals with them? (*A Worn Path*)
- i) Why does the woman come to the pharmacy in the night time? (*Loving Mother*)
- j) Why does Kim see the same dream again and again? (*Recurring Dream*)

2. **Put the following words in alphabetical order:**

Schnook, Scheme, Schnoore, Schism, Schlep, Schist.

3. **In which quarter of the dictionary will you find the following words?**

- i) Yahoo ii) egg iii) baleful iv) orange

4. **Complete the following sentences by choosing the correct words from the pair.**

- i) Switzerland has a smaller populationBritain. (**than/then**)
- ii) The doctor gave me a good piece of.....(**advise/advice**)
- iii) John has scored a(**goal/gaol**)
- iv) I am going to buy a book at..... (**stationary, stationery**)
- v) He arranged to see her(**later/latter**)

5. **Make the passive sentences by using the following verbs.**

Teach, send, ask, tell, give

6. **Make the offering sentences.**

- a) He looks thirsty?
- b) He looks bored?
- c) He looks hot?
- d) He has left his suitcase at the station?
- e) He is leaving and it is a long way to the station?

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Question Set

Grade XI (Management & Law)

Sub - Compulsory Nepali

१. कुनै एक प्रश्नको उत्तर दिनु होस् :

क) तल दिइएका वर्णहरूको उच्चारण स्थान र प्राणत्व चिनाउनु होस् :
ख, ट, ड, व, ह ।

ख) तल दिइएका शब्दको अक्षर संरचना र सङ्ख्या समेत देखाउनु होस् :
घाँस, आज, कन्या, सहकारी, विशेषता

२. शुद्ध गरी पुनर्लेखन गर्नु होस् :

आश मरु र गुमानेको खलवल सुनेर धनजीतेले आखा उगायो । धनजितेले हेरेको देखेर गुमानेले भनो कस्तो छ माइला दाई ।

३. तलको अनुच्छेदमा रेखाङ्कन गरिएका पदहरूको शब्दवर्ग पहिचान गरी लेख्नु होस् :

मैले हाइस्कूलमा पढाएका ती छात्राहरू अहिले कलेजमा पुगेका छन् । मेरो मनमा तिनीहरूप्रति सद्भाव उत्पन्न हुन्छ ।

४. तलको अनुच्छेदबाट दुईदुई ओटा तत्सम र आगन्तुक शब्द खोजी लेख्नु होस् :

स्कूल कलेजका पाठ्यपुस्तकको मूल्य अत्यधिक बढनाले गरिब घरका विद्यार्थीलाई पाठ्यपुस्तक किनेर पढ्न नै मुस्किल हुँदै गएको छ ।

५. तलका प्रश्नको उत्तर दिनु होस् :

क) तलको अनुच्छेदबाट तिन वटा उपसर्ग लागेका र तिन वटा प्रत्यय लागेका शब्दहरू पहिचान गरी तिनको शब्द निर्माण प्रक्रिया देखाउनु होस् :

राजनीतिक क्षेत्रमा अविश्वासले प्रगति हुन सकेको छैन । नेपाली जातीय एकतालाई सौन्दर्यले भरिपूर्ण बनाउन आवश्यक छ । यसतर्फ बेथितिका जिम्मेवार प्रतिनिधि माननीय र सम्माननीय भनेर चिनिन चाहनेले विचार पुऱ्याउनु पर्छ ।

ख) तलको अनुच्छेदबाट तिन समस्त शब्द र तिन द्वित्व शब्द खोजी समस्त शब्दलाई विग्रह गर्नु होस् र द्वित्व शब्दमा दोहोरिएको अंश छुट्याउनु होस् :

टोलछिमेकमा नुन तेलका नाममा पनि भैँभगडा हुने गरेको पाइन्छ । कामसाम नगरी गोबरगणेश भएर बसेका परिवारका सदस्यहरूका कारण पनि यस्तो हुने गर्छ । तरकारीमा मरमसला नपुग्दा भान्सेलाई छेडछाड गर्नेले छरछिमेकमा पनि समस्या ल्याउँछन् । समाजसेवामा लागेका टोलीनेताहरूले यस कुरामा चासो राख्नु पर्छ ।

६. कुनै एक प्रश्नको उत्तर दिनु होस् :

क) तलको अनुच्छेदमा लिङ्ग परिवर्तन गर्नु होस् :

उनी कवि हुन् । उनले राम्रा राम्रा कविता लेखेका छन् । उनी साहित्यमा लागेका विद्वानहरूसित भेट्छन् । उनका कवितामा महिला र पुरुषका अधिकारको चर्चा पाइन्छ । उनी समाजमा समानताको स्थापना गर्न चाहन्छन् ।

ख) तलको अनुच्छेदमा प्रयुक्त सबै क्रियापदलाई अभ्यस्त भूत कालमा परिवर्तन गरी पुनर्लेखन गर्नु होस् :

ऊ सधैं स्कूल जान्छ । स्कूलमा मिहिनेत गरिर पढ्छ । बुबाआमाले उसलाई साह्रै माया गर्नु हुन्छ । स्कूलमा गुरुहरूले पनि हौसला दिनु हुन्छ । ऊ असल विद्यार्थीको रूपमा चिनिन्छ ।

७. तलको अनुच्छेदका वाक्यलाई सङ्गति मिलाई पुनर्लेखन गर्नु होस् :

मेरी भाइले छिमेकी कथा पढेकी छ । उसले कथाको विषय राम्ररी बुझेको छन् । उसले कथाकारको प्रवृत्ति पनि थाहा पाए । उसले कथाकार सामाजिक कथाकार हुन् भन्ने थाहा पाउनु भयो । उसले कथा पढेर छिमेकीको महत्व पनि थाहा पाए । उसले कथा पढेर छिमेकी जिउँदाका जन्ती र मर्दाका मलामी भन्ने थाहा पायो ।

८. कुनै दुई प्रश्नको उत्तर दिनु होस् :

क) तलका चार वटा जटिल वाक्यलाई आठ वटा सरल वाक्यमा रूपान्तरण गर्नु होस् :

मैले एक चिहान उपन्यास पढेको छु तर बहिनीले पढेकी छैन । जब अष्टनारानको परिवारको कथा सुनाउँछु तब ध्यान दिएर सुन्छे । डा. गोदत्त प्रसादको चरित्र थाहा पाएपछि भने उसलाई रिस उठ्छ । नानीथकुँले गोदत्त प्रसादसँग बिहे गर्न मानिन भनेपछि बहिनी खुसी हुन्छे ।

ख) तलका वाक्यलाई करण भए अकरण र अकरण भए करणमा बदल्नु होस् :

ऊ विदेश गएन । ऊ बुबाआमाको कुरा पनि मान्दैन । ऊ स्वदेशमा बस्न चाहन्छ । उसलाई दुःख थाहा छैन । काम गर्दा जहाँ पनि पैसा कमाइन्छ । पैसा नै सबै थोक होइन । पैसाभन्दा शान्ति महत्वपूर्ण कुरा होइन । यो कुरा उसलाई थाहा छ ।

ग) तलका आठ वटा सरल वाक्यहरूलाई चार वटा जटिल वाक्यमा संश्लेषण गर्नु होस् :

दीप असल विद्यार्थी हो । उसलाई शिक्षाको महत्व थाहा छ । ऊ पढाइमा बढी ध्यान दिन्छ । उसलाई सबैले माया पनि गर्छन् । ऊ नियमित विद्यालय जान्छ । कक्षा कार्य पनि नियमित गर्छ । ऊ लगनशील छ । ऊ परीक्षामा राम्रो स्थान हासिल गर्छ ।

९. तल दिइएका मध्ये कुनै एक शीर्षकमा २५० शब्दसम्मको निबन्ध लेख्नु होस् ।

(क) फेसबुक (ख) मेरो पहिलो भ्रमण (ग) पर्यटन

Dashain Vacation Homework - 2075

Question Set

Class: XI (Science)

Subject: Basic Mathematics

1.
 - a) If $A \subseteq B$ prove that $\overline{B} \subseteq \overline{A}$
 - b) Let $A = (-3, 1)$ and $B = (-2, 4)$ find $A \cup B$ and $A - B$.
 - c) For any two real number x and y , prove that :
 $|x + y| \leq |x| + |y|$
2.
 - a) Define a statement. If p is true, q is true and r is true, find the truth value of $(p \vee q) \wedge (\sim q)$.
 - b) If p and q are any two statement. Prove that :
 $(p \vee q) \equiv (q \vee p)$
 - c) Let $A = \{1, 2, 3, 4\}$ and $B = \{1, 3, 5\}$ find the relation R from A to B determined by condition " $x < y$ ".
3.
 - a) Let $A = \{-1, 0, 2, 4, 6\}$ and a
 Function $f : A \rightarrow R$ is defined by $y = f(x) = \frac{x}{x+2}$
 Find the range of f .
 - b) Evaluate : $\lim_{x \rightarrow 64} \frac{\sqrt[6]{x} - 2}{\sqrt[3]{x} - 4}$
 - c) Evaluate : $\lim_{x \rightarrow \frac{\pi}{4}} \frac{2 - \operatorname{cosec}^2 x}{1 - \cot x}$
4.
 - a) Find the limit if it exists.
 $\lim_{x \rightarrow 4} \frac{x-2}{|x-2|}$
 - b) Prove that : $\lim_{x \rightarrow 3} \left(\frac{1}{x-3} - \frac{9}{x^3-3x^2} \right) = \frac{2}{3}$
 - c) For what value of p with the equation $5x^2 - px + 45 = 0$ have equal roots ?
5.
 - a) From a quadratic equation whose roots one the squares of the roots of $4x^2 + 8x - 5 = 0$
 - b) If one root of the equation $x^2 - px + q = 0$ be twice the other show that $2p^2 = 9q$.
 - c) Evaluate : $\lim_{x \rightarrow p} \frac{x^2 - p^2}{\tan(x-p)}$
6.
 - a) Evaluate : $\lim_{x \rightarrow \theta} \frac{x \cot \theta - \theta \cot x}{x - \theta}$
 - b) Evaluate : $\lim_{x \rightarrow 2} \frac{x - \sqrt{8-x^2}}{\sqrt{x^2+12} - 4}$
7.
 - a) A function $f(x)$ is defined as follows:

$$f(x) = \begin{cases} 3+2x & \text{for } -\frac{3}{2} \leq x < 0 \\ 3-2x & \text{for } 0 \leq x < 3/2 \\ -3-2x & \text{for } x \geq 3/2 \end{cases}$$

Show that $f(x)$ is continuous at $x = 0$ and is continuous at $x = \frac{3}{2}$
8.
 - b) Solve the inequality $|2x - 1| \geq 3$ and draw its graph.
 - a) Define tautology of a statement. Also if p and q be the statement, prove that $(p \wedge q) \Rightarrow (p \vee q)$ is a tautology.
 - b) Show that the roots of the equation :
 $(a^2 - bc)x^2 + 2(b^2 - ca)x + (c^2 - ab) = 0$

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Question Set

- will be equal if either $b = 0$ or $a^3 + b^3 + c^3 = 3abc = 0$
9. a) Let A and B be the subset of universal set U prove that :
- i) $\overline{(A \cup B)} = \overline{A} \cap \overline{B}$
- ii) $\overline{A \cap B} = \overline{A} \cup \overline{B}$
- b) If the equation : $x^2 + 2(k + 2)x + 9k = 0$ has equal roots, find the value k.
10. a) Find from definition, the derivative of $\sqrt{\sec x}$
- b) Find, from definition, the derivation of $\frac{1}{\sqrt{x+2}}$
11. Prove that :
- a) $A - (B \cup C) = (A - B) \cap (A - C)$
- b) $A - (B \cap C) = (A - B) \cup (A - C)$
12. Define Absolute value of a real number. Also if $x \notin \mathbb{R}$ and 'a' be any positive real number then $|x| < a \Rightarrow -a < x < a$ and conversely.
13. Define one to one and onto function. Let a function $f: \mathbb{R} \rightarrow \mathbb{R}$ define by $f(x) = 3x + 5$ is one-one & on to both ?
14. Let a function $f: A \rightarrow B$ be defined by $f(n) = \frac{x+1}{2x-1}$ with
 $A = \{-1, 0, 1, 2, 3, 4\}$ & $B = \{-1, 0, \frac{4}{5}, \frac{5}{7}, 1, 2, 3\}$ find the range of f. Is the function f one-one and on to both ? If not how can the function be made one to one and on to both ?
15. Find, the definition, the derivative of $\frac{ax+b}{\sqrt{x}}$

The End.

Dashain Vacation Homework - 2075

Question Set

7. Following information are given:

Weekly output	250 units
Total working	20 weeks
Hourly output	5 units
Wage rate	Rs. 50 per hour

Required: Wages payable under piece rate system

8. You are given the following:

Stocks	Beginning	Ending
Raw material	Rs. 24,000	Rs. 20,000
Work-in-progress	Rs. 12,000	Rs. 16,000
Finished goods	Rs. 20,000 (500 units)	

Direct material purchased	Rs. 2,40,000
Direct labour	Rs. 64,000
Indirect labour	Rs. 36,000
Indirect material	Rs. 8,000
Freight on purchase	Rs. 12,000
Other factory expenses	Rs. 60,000
Administrative expenses	Rs. 60,000
Selling and distribution overhead	Rs. 1.50 per unit
Production	16,000 units
Sales	15,000 units
Profit	20 % on sales

Required: Cost sheet

9. The following information are the transactions of material of a company for the month of June :

June 1	opening stock 1600 units @ Rs. 20 per unit
June 6	purchased 2200 units @ Rs.21 per unit
June 14	Issued 2,800 units
June 21	Returned from department 200 units
June 24	Purchased 3,400 units @ Rs. 22 per unit
June 27	Issued 800 units
June 28	Surplus on stock verification 40 units

Required: Store ledger under FIFO method

10. You are given following:

Net profit as per cost account	Rs. 1,50,000	
a. Work overhead over recovered in cost account	Rs. 4,000	
b. Depreciation: Cost account	Rs. 35,000	Financial account
	Rs. 25,000	
c. Interest credited in financial account	Rs. 10,000	
d. Administrative overhead under recorded in cost a/c	Rs. 15,000	
e. Income tax provided in financial account	Rs. 10,000	
f. Over valuation of closing stock in financial account	Rs. 15,000	

Required: Cost Reconciliation Statement

The End.

Dashain Vacation Homework - 2075

Question Set

Class: XII (Humanities)

Sub: English

1. Read the following passage and answer the questions given below.

The development of the space shuttle has dramatically reduced the cost of sending loads into space. The shuttle takes off from the earth like rocket, and lands again like an aircraft. It can transport not only its own crew, but also passengers, and has a huge cargo-hold which is capable of carrying large satellites or space laboratory.

Before the space shuttle was created, it was necessary to plan trips into space several years in advance. However, for the rest of the century it should be possible to make space flights every week or so. Any scientist or engineer needing travel onto orbit will simply take the next shuttle flights, stay as long as necessary and then return at his or her convenience.

It is difficult to imagine the immense opportunities created by the shuttle. One of the great advantages of having reusable space vehicles is that it can take one load after another into orbit. Very large space stations could not be launched in their complete form directly from the earth, but they could be built piece by piece in space. The space shuttle is likely to be used as a general 'workhouse' for the rest of the century, and the building of such stations in orbit should become commonplace.,

Once these huge orbiting space stations are completed, they are likely to become the platform from which hundreds of robot space ships could be launched cheaply and easily to explore the solar system and to start mining operation on the moon. The technology needed for this is already developed and available, and because of commercial and military pressures to developed spaces technology. It is likely that governments will be increasingly to start extensive program of space engineering, exploration and research.

Questions.

- a) What is the space shuttle and how does it work?
- b) How has the shuttle made space travel easy?
- c) What are the main advantages of reusable space shuttle?
- d) How can the space platforms be used?
- e) For what purposes are the space stations likely to be used by the government?

2. Answer all questions of the followings.

- a) Write the summary of God's Grandeur. (*God's Grandeur*)
- b) Why does the narrator confesses his guilt of murdering the old man? (*The Tell-Tale Heart*)
- c) How does Alyohin define love? (*About Love*)
- d) What is the dream of Martin Luther King Junior? (*I Have a Dream*)
- e) Why did the poet hesitate to push the deer into the river? (*Travelling Through the Dark*)
- f) How did the ordinary boy grow to an assertive young man? (*The Last Voyage of the Ghost Ship*)

3. Answer any ONE of the following.

- a) Describe the problems of overpopulation and deforestation Moti Nissani has dealt with. (*Two-Long Term Problems: Too Many People Two Few Trees*)
- b) What differences does the writer show between a traditional society and a modern society in matters of pregnancy, childbirth, and childbearing? (*A Child is Born*).

4. Change the following sentences into indirect questions, beginning with the expression given.

- a) What does he do for a living? I often wonder.....
- b) What crime has he been charged with? Do you.....?
- c) Are you coming tomorrow? I need to know
- d) Did he look angry? Did you notice.....
- e) What is your sister's name? I wonder.....

5. Report the following sentences into indirect questions, beginning with the expressions given:

*Example: I can't tell you how important it is for you to give up smoking (urge).
He urged me to give up smoking. recommend. advise, threaten, beg, promise*

Dashain Vacation Homework - 2075

Question Set

- a) I will report you to the teacher if you don't do what I say.
- b) You should spend a week in Canada-it is lovely.
- c) Why don't you paint the ceiling yellow?
- d) You have got to lend me some money. Oh, please.
- e) I will buy you an ice cream if you are good.

6. Change the sentences into comparative sentences using: a) than (b) as.....as.

Example: The example is not usually very difficult, but this year it was quite tough.

The examination is not usually very difficult, but this year it was quite tough.

The examination is not usually **as** difficult **as** it was this year.

- a) The washing machine makes a lot of noise, although it used to be fairly quiet.
- b) I had imagined your mother would be in her sixties, but she turned out to be forty.
- c) They could have telephoned me a lot, but in fact they hardly helped me at all.
- d) I had hoped to do a quite a lot of work today, but I have only managed to do a little.
- e) His wife would like him to arrive home early, but he doesn't.

7. Rewrite the following sentences using the verbs in the brackets as in the example.

Example: *He was born in Italy in 1992. (know).*

He is known to have been born in Italy in 1992.

- a) He is worth five million dollars. (estimate).
- b) He is a heavy drunker. (say)
- c) Several governments are suing him for tax offences. (report).
- d) He was responsible for several murders in the sixties. (allege)
- e) He has had a serious heart attack recently. (think).

8. Change the questions below to information question.

- a) Are we having *tomato/chicken/mushroom* soup today?
- b) Are you going to *boil/fry/scramble* those eggs?
- c) Have you *given away/sold/burnt* my old football boots?
- d) Are you David's *cousin/brother/nephew*?
- e) Are there *four/five/six* of you ?

9. For each the situations below ask the question with 'How Long'....?

Example: *They talked on the telephone. 20 minutes.*

They talked on the telephone for 20 minutes.

- a) We watched television. (later advertisement came on)
- b) They played football. (two hours)
- c) We had to complete the exam. (three hours)
- d) I wrote my entire letter. (lunch time)
- e) We had to change the wheel. (7 O'clock in the morning)

10. If you could spend a day anywhere in the world you wanted to, what place you would choose and what would you do there?

11. Write your experience about Grade XI.

12. The use of mobile phone during the college hours has been banned for Plus Two students. Write an essay expressing your views.

13. Write a letter of application for the post of junior accountant, stating suitable qualification and experiences to the Human Resource Manager of Nepal Bank Limited, Jamal Branch.

The End.

Dashain Vacation Homework - 2075

Question Set

XII (Humanities)

Major English

- 1) What is the tone of the poem 'The Tiger'. (*The Tiger*)
- 2) How can art immortalize people? (*Shall I compare thee to a summer's day?*)
- 3) How can you say Lord Ronald loves Lady Clare truly and honestly? (*Lady Clare*)
- 4) Why does the poet feel alienated? (*Afro-American Fragment*)
- 5) How does Auden support the views about human sufferings with the examples of a painting? (*Musée des Beaux Arts*)
- 6) Is there any reason for Crane's refusal to give the lieutenant's name? (*An Episode of War*)
- 7) What does the story tell us about how a man should behave? (*In Another Country*)
- 8) Why did Parker's husband leave her? How does she justify her attitude towards his leaving? (*Poverty*)
- 9) Why does the doctor respect the child, but find the parents' contemptible? (*The Use of Force*)
- 10) What are Menckel's two reasons for his support of capital punishment? (*The Death Penalty*)

Dashain Vacation Homework - 2075

Question Set

Class: XII (Management)

Sub: English

1. Read the following passage and answer the questions below.

A biology teacher was teaching his students about how a caterpillar turns into a butterfly. He told the students that in the next couple of hours the butterfly would struggle to come out of cocoon, but no one should help the butterfly. Then the teacher left.

The students were waiting curiously. The butterfly struggled to get out of the cocoon and against the advice of the teacher one of the students took pity on it and decided to help the butterfly out of the cocoon. He broke the cocoon to help the butterfly so it didn't have to struggle anymore. But, shortly afterwards, the butterfly died.

When the teacher returned, he was told what had happened. The teacher explained to the students that it is law of nature that the struggle to come out of cocoon actually helps develop and strengthen butterfly's wings. By helping the butterfly, the boy had deprived the butterfly's struggle, and because of this the butterfly itself died.

Questions:

- a. What was the biology teacher teaching to his students?
- b. What did the teacher tell the class before leaving?
- c. What happened after one of the students disobeyed the teacher's advice?
- d. What was the cause of butterfly's death?
- e. What lesson do you learn from this story?

2. Answer any FIVE questions.

- a. What impression of grandmother does the speaker give in the poem *Grandmother*? (*Grandmother*)
- b. Why did Alyohin quit the position of the judge? (*About Love*)
- c. What makes the old pensioner feel isolated in his old age? (*The Lamentation of the Old Pensioner*)
- d. What according to Moti Nissani, are the remedies of overpopulation? (*Two Long Term Problems: Too Many People, Too Few Trees*)
- e. Give a short account of the life of people of Kernali. (*Hurried Trip to Avoid a Bad Star*)
- f. Why were the children like Tammy not adopted in the past? (*The Children Who Wait*)

3. Answer any ONE of the following.

- a. Describe the dream which Martin Luther King had in his speech "*I Have a Dream*". (*I Have a Dream*)
- b. Do you call narrator a mad? Give reasons for your answer. (*The Tale Tell Heart*)

4. Continue the remarks below with a sentence using 'is/am/are' (not) used to + ing form as in the example.

Example: My boss was surprised when I gave him flowers.

He is not used to being wished.

- a. My friend Bina is feeling terribly nervous.
- b. My mother's feet are killing her.
- c. David has got a stomach ache.
- d. Mr. Dhakal is absolutely delighted today.
- e. The bachelors are going to find it hard work working on building site.

5. Make the reported speech of the following sentences.

- a) How are you feeling?
- b) Have you been sleeping badly?
- c) How far do you live?
- d) Did you have a meal on the plane?

Dashain Vacation Homework - 2075

Question Set

e) Do you do any exercise?

6. Change the questions below into information questions.

- Are there four/five/six of you?
- Was it rainy/foggy/cold when you were in Pokhara ?
- Is it 200 km/300 km//400 km a long away to Janakpur from Kathmandu?
- Did you use half inch /one inch /two inch screw?
- I hear she has cut her finger. Has she broken/bruised/cut it?

7. Change the following sentences into indirect questions, beginning with the expression given.

- What does he do for a living? I often wonder
- What crime has he been charged with? Do You.....?
- Are you coming tomorrow? I need to know now.....
- Did he look angry? Did you notice.....?
- What is your sister's name? I wonder.....

8. Make the using (a).....had only justwhen (b) No sooner hadthan ...

- Peace talks break down on the first day
- New king abdicates
- Jewel thief caught red-handed
- New casino destroyed in blaze
- Missing first husband ruins honeymoon

9. Rewrite the following sentences using 'If there is one thing'....as given in the example.

Example: People who smoke in restaurants annoy me.

If there is one thing that annoys me it is people who smoke in restaurants.

- People who are cruel to animals upset me.
- People who break promises make me angry.
- I hate people who smoke in restaurants.
- I detest people who interrupt me when I am speaking.
- I loathe people who ring me up early in the morning.

10. For each of the following situation make sentences with I wish/if only, using (a) would (b) could.

- The weather is bad.
- You are alone at home.
- Your bicycle has a puncture.
- You don't have enough money today.
- You missed your last bus home.

11. Write a letter to your friend inviting him to your village area.

12. Write a short paragraph on the advantages and disadvantages of studying in a foreign country.

13. Write a newspaper article on the advantage and disadvantage of the mobile phones.

The End.

Dashain Vacation Homework - 2075

Question Set

Class: XII (Science)

Subject: Basic Mathematics

1.
 - a) If $\sum f x = 110$ $\sum f x^2 = 1650$ $N = 10$ and $mode = 12.45$. Find the skewness based on mean, mode and standard deviation.
 - b) If $n = 10$ $\bar{x} = 5$ $\bar{y} = 3$ $\sum x^2 = 290$ $\sum y^2 = 300$ $\sum xy = 115$. Find the correlation coefficient between two variables.
 - c) The regression coefficient of y on x is 0.32. If the arithmetic means of x & y series 42 & 36 respectively. Find the regression equation of y on x .
 - d) If $3\vec{i} + \vec{j} - \vec{k}$ and $\lambda\vec{i} - 4\vec{j} + 4\vec{k}$ are collinear vectors, find the value of λ .
 - e) If $\sin y = x \sin(a + y)$. Prove that $\frac{dy}{dx} = \frac{\sin^2(a+y)}{\sin a}$
 - f) Find the derivatives $(\cosh x)^{\sinh^{-1} x}$
 - g) Find the points on the curve $x^2 + y^2 = 36$ at which the tangents are parallel to y -axis.
 - h) Evaluate: $\lim_{x \rightarrow 0} \frac{x \cdot e^x - \log(x+1)}{x^2}$
 - i) Solve: $2xy dx - x^2 dy = 0$
 - j) Solve $\frac{dy}{dx} + 3y = e^{-x}$
 - k) Integrate: $\int \sqrt{x^2 + a^2} dx$
 - l) Integrate: $\int \frac{dx}{3+4 \cosh x}$
 - m) Integrate: $\int \sqrt{\frac{1+x}{1-x}} dx$
 - n) $|\vec{a} + \vec{b}| = |\vec{a} - \vec{b}|$, then prove that \vec{a} is perpendicular to \vec{b}
 - o) Let $\vec{a} = 2\vec{i} + \vec{j}$, $\vec{b} = \vec{i} + \vec{j}$ and $\vec{c} = \vec{i} + \vec{j}$. Find the scalars x and y such that $\vec{a} = x\vec{b} + y\vec{c}$.
- a) From the following table calculate Karl Pearson's correlation coefficient between the two variables.

X	6	2	10	4	8
Y	9	11	?	8	7

Arithmetic means of X and Y series are 6 and 8 respectively

- b) Find the regression equation of y on x from the following data:

X	2	4	5	6	8	11
Y	18	12	10	8	7	5

Estimate the value of y when $x = 12$

3.
 - a) Find the first principle, the derivative $e^{\sin x}$
 - b) solve:

$$\frac{dy}{dx} = \frac{y}{x} - \sin^2 \frac{y}{x}$$

4. a) Evaluate: $(x-1)\sqrt{5-4x-x^2} dx$

- b) Integrate: $\int \frac{dx}{a+b \cos x}$ ($a > b$)

5. a) Integrate: $\frac{dx}{3+5 \cosh x}$

- b) Integrate: $\int \frac{dx}{(x-1)^2(x-2)^3}$

- 6.a) Solve: $\frac{dy}{dx} + \frac{2x}{1+x^2}y = \frac{1}{(1+x^2)^2}$

- b) Solve: $(x^2 + xy^2) dx + (x^2y + y^2) dy = 0$

7. Define scalar product of two vectors. Prove that:

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Question Set

$$\cos(A-B) = \cos A \cos B + \sin A \sin B.$$

8. State mean value theorem. Interpret it geometrically and verify it for the function $f(x) = 2x^2 - 10x + 29$ in $[2,7]$
9. Following are the marks obtained by the two students in 6 tests.

A	56	72	48	69	64	81
B	63	74	45	57	82	63

Which of the student will get performance award for the consistency in test?

10. Explain whether the following vectors are linearly dependent or independent.
 $\vec{a} = \vec{i} - 2\vec{j} + \vec{k}$, $\vec{b} = 2\vec{i} - \vec{j} - \vec{k}$ and $\vec{c} = 7\vec{i} - 4\vec{j} + \vec{k}$
11. Find, from first principle, the derivative of $\log(\sec x)$

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Question Set

Grade XII (Science)

Sub - Compulsory Nepali

१. कुनै एक प्रश्नको उत्तर दिनु होस् :

५

क) तल दिइएका वर्णहरूको उच्चारण स्थान र प्राणत्व चिनाउनु होस् :

क, छ, ड, ध, म

ख) तल दिइएका शब्दको अक्षर संरचना र सङ्ख्या समेत लेख्नु होस् :

शोभायमान्, भाग्य, निलिमा, त्यो, महानगर

२. शुद्ध गरी पुनर्लेखन गर्नु होस् :

५

मालती का ति छ, वटी राछेसनी दिदीहरू क्रोदले चुर भयर मधुकरका घोडाको पुच्छरमा भुण्डिए । आमा आफनै घुरमा भन्दइ जानु हन्यो ?

३. तलको अनुच्छेदमा रेखाङ्कन गरिएका पदहरूको शब्दवर्ग पहिचान गरी लेख्नु होस् : ३

विहान दुधको ढुङ्ग्रो काँधमा बोकेर बजार जाँदै गरेकी कालेकी आमालाई बोराको घुम ओढेर फरुवाले आँगनमा भल काट्दै गरेको कालेको बाबुले काँटी ल्याउन सम्झायो ।

४. तलको अनुच्छेदबाट दुईदुई ओटा तत्सम र आगन्तुक शब्द खोजी लेख्नु होस् : २

विज्ञानले दिनदिनै प्रगति गरि रहेको छ । विकासतर्फ लम्कि रहेका देशहरूमा सार्वजनिक यातायातको साधन बसलाई मेट्रो रेलले उछिनि सकेको छ ।

५. तलका प्रश्नको उत्तर दिनु होस् :

६

क) तलका उपसर्ग र प्रत्यय लगाई एक एक ओटा शब्द निर्माण गर्नु होस् :

उपसर्ग : बे, अन्, प्रति

प्रत्यय : ले, अनीय, आइ

ख) तलको अनुच्छेदबाट तिन समस्त शब्द र तिन द्वित्व शब्द खोजी समस्त शब्दलाई विग्रह गर्नु होस् र द्वित्व शब्दमा दोहोरिएको अंश छुट्याउनु होस् :

टोलछिमेकमा नुन तेलका नाममा पनि भैँभगडा हुने गरेको पाइन्छ । कामसाम नगरी गोबरगणेश भएर बसेका परिवारका सदस्यहरूका कारण पनि यस्तो हुने गर्छ । तरकारीमा मरमसला नपुग्दा भान्सेलाई छेडछाड गर्नेले छरछिमेकमा पनि समस्या ल्याउँछन् । समाजसेवामा लागेका टोलीनेताहरूले यस कुरामा चासो राख्नु पर्छ ।

६. कुनै एक प्रश्नको उत्तर दिनु होस् :

५

क) तलको अनुच्छेदलाई प्रथम पुरुष कर्ता प्रयोग गरी वाक्य ढाँचा समेत मिलाई पुनर्लेखन गर्नु होस् :

उनीहरू क्रिकेट खेल रुचाउँछन् । त्यसैले उनीहरूले क्रिकेटमा लगानी गरिरहेका छन् । हरेक हप्ता अभ्यासको लागि उनीहरू कीर्तिपुर जाने गर्छन् । त्यहाँ उनीहरूले मैदानको शुल्क पनि तिर्नु पर्छ । उनीहरूको खेल स्तर दिन प्रतिदिन बढि रहेको देखिन्छ ।

ख) तलको अनुच्छेदमा प्रयुक्त सबै क्रियापदलाई सामान्य भूत कालमा परिवर्तन गरी पुनर्लेखन गर्नु होस् :

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Question Set

Class: XII (Science)

Sub: English

1. Read the following passage and answer the questions below:

It was Monday morning. Elda left home early that day because she was going to start work at an office in the city. She was only sixteen and this was her first job. There were lots of people in the bus-stop and she nearly took a taxi which was passing; but afterwards she was glad that she waited for the bus. The traffic was so dense that even if she had taken a taxi, she would not have arrived much earlier. As it was, she was only a few minutes late.

She caught the lift up to the eighth floor and went along to the office where she had been interviewed by Mr. Crump two weeks before. This was the man she was going to work for. She tapped on the door and waited, but there was no reply. Just then, she heard the sound of someone's voice from the next office. She opened the door and looked in, there was Mr. Crump speaking to the people in the office in an angry voice. Then he turned round and left the room.

Later in the day, Elda found out what had happened. Apparently Mr. Crump came to the office as a rule at about nine-thirty, because he lived a long way out in the country and came up by train every day. That morning, however, he happened to catch an earlier train and when he arrived in the office, not a single person was working. They were all standing round, smoking, chatting, and telling jokes.

Questions:

- a) Why was Elda glad that she did not take taxi?
- b) Who was Mr. Crump?
- c) Why did Elda open the door of the next office?
- d) Why did Mr. Crump usually arrive at 9:30 A.M and not earlier than that?
- e) Why was Mr. Crump angry?

2. Answer any five questions.

- a) Why was aunt angry when uncle decided to go on the outing? (*A Story*)
- b) What was Old Man interested in when he was a young man? (*The Lamentation of the Old Pensioner*)
- c) Why did the poet hesitate to push the deer into the river? (*Travelling Through the Dark*)
- d) What does the government do if it cannot find a home for a child? (*The Children Who Wait*)
- e) What is the main idea of the essay 'Women's Business'? (*Women's Business*)
- f) What is the dream of Martin Luther King Junior? (*I have a Dream*)

3. Answer any one of the following.

- a) How does Alyohin define love? How does this definition relate to his experience of love with Anna? (*About Love*).
- b) Describe the problem of overpopulation and deforestation Moti Nissani has dealt with. (*Two-Long Term Problems: Too People, Too Few Trees*).

4. Talk about the people below in the same way as given in the example.

Example: You see a man lying on the ground in a pool of blood.

He looks as if he is seriously wounded.

- a) You see a girl standing on the seashore, staring into the water.
- b) You see someone climbing through the window.
- c) You see a man lying underneath a car.
- d) You see a woman whose cloths are soaked and she is sneezing.
- e) You see a boy and girl sitting together in a restaurant.

5. Rewrite the sentences using 'If there's one thing'.

- a) People who smoke in buses annoy me.
- b) I hate people who interrupt me when I'm speaking.
- c) People who break promises make me angry.
- d) I hate people who smoke in restaurants.
- e) I love people who admire my personality.

Dashain Vacation Homework - 2075

Question Set

6. Make the reported speech of the following.

- I am 20 today.
- I like it here.
- I have got a son in Australia.
- I have been to the all art galleries in Nepal.
- I will go to India too if I have time.

7. Imagine you are in the situation below:

i) Write a wish for each of the following situations.

Example: You are alone = I wish I had some friends / I wish someone would visit me.

- You are sick.
- You need a job
- It's raining

ii) Express regret for the following situations.

- You forgot your friend's birthday.
- You could not keep your promise.

8) Change each of the following sentences using seem.

- Mr. Sharma is very friendly.
- He isn't very rich.
- He watches television a lot.
- He has lived a very interesting life.
- He did not like the party.

9) Look at the example and complete the following sentences in the same way. (Use for /till and before appropriately).

Example: I ordered a taxi for ten to eight, but (half an hour)
I ordered a taxi but it did not come for half an hour.

Or

I ordered a taxi but it was half an hour before it came.

- I wrote to my mother by airmail, but in fact (two weeks).
- I intended to have an early night, but as it happened (midnight).
- I said he could borrow the record for a few days, but..... (six weeks).
- It was supposed to be a short meeting.....(evening).

10. Write in about 150 words about the most memorable day in your student life at school.

11. Write a letter to the editor of 'The Himalayan Times' saying how you feel about the garbage thrown by people in our area.

12. Write an essay on 'National unity for peace process'.

13. If you could spend a day anywhere in the world you wanted to, what place would you choose and what would you do there?

The End.