



Registration No.:

BHARTIYA SKILL DEVELOPMENT UNIVERSITY

School of General Education

Session: 2021-22(Summer Semester)

B. Voc. Program, I Semester

1st In-Sem. Examination

Course Code: GEN1101

Time: 1 Hour

Course Name: English Language & Comprehension

Max. Marks: 20

Instructions:

1. All questions are compulsory.
2. The question paper comprises three sections A, B & C. Marks allotted are mentioned against each section.

Section-A

(1*5=5)

Q1. Fill in the blank with suitable noun:

- (a) Kashmir is known for its (beautiful/ beauty)

Q 2. Choose the correct answer:

- (a) Who said, 'I don't want your help, Go away'?

- (i) Velu's wife
- (ii) Velu's son
- (iii) Other fisherman
- (iv) Velu

Q3. Fill in the blank with suitable article (a ,an, the):

- (a) She is notugly girl.

Q4. State whether the following sentence is True or False: -

- (a) Velu had a small but strong boat.

Q5. Fill in the blank with correct option:

- (a) Velu was a (manager/fisherman)

Section- B

(2*3=6)

Q 6. Fill in the blanks with articles- *a, an, the* where necessary:

Our teacher told us interesting story on a Sunday morning. It was..... story of old man and..... dog. We learnt how..... dog savedman's life. We thanked teacher for story.

Q7. Identify the countable and uncountable nouns in the following words: -

- (a) Milk
- (b) Pencil
- (c) Happiness
- (d) Chairs



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Q8. Identify the nouns in the following sentences and state whether they are common nouns, proper nouns, collective nouns, material nouns or abstract nouns.

- (a) The boy was rewarded for his honesty.
- (b) Jawaharlal Nehru was the first Prime Minister of India.

Section- C

(3*3=9)

Q 9. Write the summary of 'Velu: A Fisherman'.

Q10. Write your self-introduction.

Q11. Make sentences using the following words: -

- (a) selfish
- (b) beautiful
- (c) dirty



Answer Key

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Course Name: English Language & Comprehension

Max. Marks:

20

Instructions:

1. All questions are compulsory.
2. The question paper comprises three sections A, B & C. Marks allotted are mentioned against each section.

Section-A

(1*5=5)

Q1. Fill in the blank with suitable noun:

- (a) Kashmir is known for its beauty. (beautiful/ beauty)

Q 2. Choose the correct answer:

- (a) Who said, 'I don't want your help, Go away'?
- (i) Velu's wife
 - (ii) Velu's son
 - (iii) Other fisherman
 - (iv) **Velu**

Q3. Fill in the blank with suitable article (a ,an, the):

- (a) She is not an ugly girl.

Q4. State whether the following sentence is True or False: -

- (a) Velu had a small but strong boat. (**True**)

Q5. Fill in the blank with correct option:

- (a) Velu was a (manager/**fisherman**)

Section- B

(2*3=6)

Q 6. Fill in the blanks with articles- *a, an, the* where necessary:



Registration No.:

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Our teacher told us an interesting story on a Sunday morning. It was the story of an old man and a dog. We learnt how the dog saved the man's life. We thanked the teacher for the story.

Q7. Identify the countable and uncountable nouns in the following words: -

- (a) Milk – **Uncountable**
- (b) Pencil – **Countable**
- (c) Happiness – **Uncountable**
- (d) Chairs - **Countable**

Q8. Identify the nouns in the following sentences and say whether they are common, proper, collective, material or abstract.

(a) The boy was rewarded for his honesty.

Boy – common noun; honesty – abstract noun

(b) Jawaharlal Nehru was the first Prime Minister of India.

Jawaharlal Nehru – proper noun; Prime Minister – common noun; India – proper noun.

Section- C

(3*3=9)

Q 9. Write the summary of 'Velu: A Fisherman'.

Ans. Velu was a fisherman who lived in a small house near the sea. He had good nets and a strong boat for fishing. Velu was greedy and selfish by nature. He was unkind too as he never liked to share his fish with other fishermen.

One day, Velu went fishing to the sea with his fellow fishermen. Velu, being greedy, went a long way into the sea and caught plenty of fish. The fish he caught were small in size. Suddenly, Velu saw many big fish and wanted to catch them. So, he threw away all his small fish and cast his net again to catch the bigger fish. The other fishermen offered to help him, but Velu refused to take their help. Hence, they all went away.

Velu caught a lot of big fish this time in his net. The net became so heavy that Velu could not pull it into his boat alone. The fish broke the net and escaped into the sea, damaging the fishing net. Velu realized his mistake and decided not to be greedy again. At night, Velu and his wife had nothing to eat. His friend fisherman offered them fish for dinner and also promised to help Velu mend his net.

Q10. Write your self-introduction.



Registration No.:

BHARTIYA SKILL DEVELOPMENT UNIVERSITY

Ans. Students will write details about themselves-personal details, academic details, hobbies and family.

Q11. Make sentences using the following words: -

Ans.

- (a) selfish – Ram is a **selfish** boy.
- (b) beautiful - She is very **beautiful**.
- (c) dirty - Her dress is **dirty**.

BHARTIYA SKILL DEVELOPMENT UNIVERSITY JAIPUR

Registration No.:

SCHOOL OF GENERAL EDUCATION

1st In-SEMESTER EXAMINATION, SUMMER 2021

B. VOC. FIRST SEMESTER

GEN1102: OFFICE SOFTWARE TOOLS

Time: 1 Hour

Instruction: Attempt ALL questions.

Marks: 20

Q1. Implement the following in Libre writer-

(a) Create a text box to write “India is a great country” in it.

(b) Color font with Brown

(c) Copy the above statement and paste below

(d) Bold the font with size 20

(e) Underline the above statement

Q2 Implement the following in libre writer-

a. Write a statement of five point about “My City”

b. Write My Family bold with font size 18

c. Write “My Family” with underline

d. Write about “My City” in bullet point

e. Write your point with font size 14

Q3. Create following table with given conditions:

Day	Lecture I	Lecture III
Tuesday	Mathematics	Value Education
Wednesday	Open Elective	English
Thursday	Engineering	Communication Skills

- a) Insert **Lecture II** column before Lecture III with font color **Yellow**.
- b) Use Liberation sans font size 18 for columns headings.

Q4. Perform the following task in Libre Writer:

- a) Insert a **Text Box** and write **“OPEN UNIVERSITY”**.
- b) **Center align** the text box on page.
- c) Outline colour of textbox **“BLUE”**
- d) **Copy the above statement and paste below**
- e) **Bold the font with size 24**

BHARTIYA SKILL DEVELOPMENT UNIVERSITY JAIPUR

Registration No.:

SCHOOL OF GENERAL EDUCATION

1st In-SEMESTER EXAMINATION, SUMMER 2021

B. VOC. FIRST SEMESTER

GEN1102: OFFICE SOFTWARE TOOLS

Time: 1 Hour

Instruction: Attempt ALL questions.

Marks: 20

Q1. Use Libre writer to insert a chart using the data given below.

Games	India	England
Cricket	350	300
Hockey	200	150
Tennis	125	170

a) Use **Lucida sans** font size **14**.

b) Use a different color for the fonts in the **Games name**.

Q2. Create following table with given conditions:

Day	Lecture I	Lecture III
Tuesday	Mathematics	Personality Development
Wednesday	OST	3D' Printing
Thursday	English	Communication Skills

a) Insert **Lecture II** column before Lecture III with font color **Yellow**.

b) Use Liberation sans font size 18 for columns headings.

Q3. Perform the following task in Libre Writer:

- a) Insert a **Text Box** and write **“SKILL UNIVERSITY”**.
- b) **Center align** the text box on page.
- c) Outline colour of textbox **“BLUE”**
- d) **Copy the above statement and paste below**
- e) **Bold the font with size 24**

Q4. Enter the following text: (**font style=times new roman, font size= 24, Bold the text, text color Yellow and Italic also**)

- a) Create $(a+b)^2 = a^2+b^2+2ab$

**BHARTIYA SKILL DEVELOPMENT UNIVERSITY**

School of General Education
Session: 2021-22(Summer Semester)
B. Voc. Program, 1st Semester,
1st In-Sem. Examination

Course Code: GEN 1103

Time: 1 Hour

Course Name: Applied Mathematics

Max. Marks: 20

Instruction:

1. All questions are compulsory.
2. Missing data if any can be suitably assumed.
3. Calculator is not permitted.

Section – A

05×01 = 05 Marks

Q1. Which one of the following collections is not a set?

- (a) The collection of all the days of a month.
- (b) The collection of all spiritual books of India.
- (c) The collection of all the months of a year beginning with the letter 'D'.
- (d) The collection of all best players in Rajasthan.

Q2. If $A = \{1, 2, 3, 4, 5, 6, 7, 8\}$, then which one is true?

- | | |
|---|--|
| (a) $A = \{x : x \in \mathbb{Z} \text{ and } x < 9\}$ | (c) $A = \{x : x \in \mathbb{N} \text{ and } x \leq 8\}$ |
| (b) $A = \{x : x \in \mathbb{N} \text{ and } x < 8\}$ | (d) $A = \{x : x \in \mathbb{W} \text{ and } x \leq 8\}$ |

Q3. If $A = \{1, 2, 3, 4\}$ and $B = \{1, 3, 5, 7\}$, then $A-B$ is

- | | |
|----------------------|----------------------|
| (a) $A-B = \{1, 4\}$ | (c) $A-B = \{2, 4\}$ |
| (b) $A-B = \phi$ | (d) $A-B = \{1, 3\}$ |

Q4. If $A = \{a, b, c, d\}$ and $B = \{b, c, d, e\}$, then $B-A$ is

- | | |
|----------------------------|-------------------|
| (a) $B-A = \{a, b, c, d\}$ | (c) $B-A = \{a\}$ |
| (b) $B-A = \phi$ | (d) $B-A = \{e\}$ |

Q5. Which one of the following number is not a prime number?

- | | |
|--------|---------|
| (a) 81 | (c) 101 |
| (b) 41 | (d) 11 |

Section – B

03×02 = 06 Marks

Q6. Write the set $A = \{5, 25, 125, \dots\}$ into set-builder form.Q7. If $A = \{11, 13, 15\}$ and $B = \{12, 13, 14, 15\}$, then find

- (i) $A \cup B$ (ii) $A \cap B$

Q8. Write the power set of following set:

$$A = \{-2, 0, 1\}$$

Section – C

03×03 = 09 Marks

Q9. Write the power set for the following sets:

(i) $A = \{a, b, c, d\}$

(ii) $B = \{4, \{5, 6\}, 7\}$

Q10. Write the following sets in roster form:

(i) $A = \{x: x \text{ is an integer and } -4 < x < 6\}$

(ii) $B = \{x: x \text{ is a natural number less than 11}\}$

(iii) $C = \{x: x \in Z \text{ and } -\frac{1}{2} < x < \frac{7}{2}\}$

Q11. If $U = \{a, b, c, d, e\}$, $A = \{a, b, c\}$ and $B = \{b, c, d, e\}$, then show that

$$(A \cup B)' = (A' \cap B')$$

$$(A \cap B)' = (A' \cup B')$$

**BHARTIYA SKILL DEVELOPMENT UNIVERSITY**

School of General Education

Session: 2021-22(Summer Semester)

B. Voc. Program, 1st Semester,1st In-Sem. Examination

Course Code: GEN 1103

Time: 1 Hour

Course Name: Applied Mathematics

Max. Marks: 20

Instruction:

1. All questions are compulsory.
2. Missing data if any can be suitably assumed.
3. Calculator is not permitted.

Section – A

05×01 = 05 Marks

Q1. Which one of the following collections is not a set?

- (a) The collection of all the days of a month.
- (b) The collection of all spiritual books of India.
- (c) The collection of all the months of a year beginning with the letter 'D'.
- (d) The collection of all best players in Rajasthan.**

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|---|--|
| (a) $A = \{x : x \in \mathbb{Z} \text{ and } x < 9\}$ | (c) $A = \{x : x \in \mathbb{N} \text{ and } x \leq 8\}$ |
| (b) $A = \{x : x \in \mathbb{N} \text{ and } x < 8\}$ | (d) $A = \{x : x \in \mathbb{W} \text{ and } x \leq 8\}$ |

Q3. If $A = \{1, 2, 3, 4\}$ and $B = \{1, 3, 5, 7\}$, then $A-B$ is

- | | |
|----------------------|----------------------|
| (a) $A-B = \{1, 4\}$ | (c) $A-B = \{2, 4\}$ |
| (b) $A-B = \phi$ | (d) $A-B = \{1, 3\}$ |

Q4. If $A = \{a, b, c, d\}$ and $B = \{b, c, d, e\}$, then $B-A$ is

- | | |
|----------------------------|-------------------------------------|
| (a) $B-A = \{a, b, c, d\}$ | (c) $B-A = \{a\}$ |
| (b) $B-A = \phi$ | (d) $B-A = \{e\}$ |

Q5. Which one of the following number is not a prime number?

- | | |
|---------------|---------|
| (a) 81 | (c) 101 |
| (b) 41 | (d) 11 |

Section – B

03×02 = 06 Marks

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Q8. Write the power set of following set:

$$A = \{-2, 0, 1\}$$

Section – C

03×03 = 09 Marks

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(i) $A = \{a, b, c, d\}$

(ii) $B = \{4, \{5, 6\}, 7\}$

Q10. Write the following sets in roster form:

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(ii) $B = \{x: x \text{ is a natural number less than 11}\}$

(iii) $C = \{x: x \in Z \text{ and } -\frac{1}{2} < x < \frac{7}{2}\}$

Q11. If $U = \{a, b, c, d, e\}$, $A = \{a, b, c\}$ and $B = \{b, c, d, e\}$, then show that

$$(A \cup B)' = (A' \cap B')$$

$$(A \cap B)' = (A' \cup B')$$



BHARTIYA SKILL DEVELOPMENT UNIVERSITY

School of General Education
1st Semester, 1st In-Sem. Examination
B. Voc. Program, Summer Semester (2021-22)

Course Code: GEN1104

Time: 1 Hour

Course Name: Elementary Mathematics

Max. Marks: 20

Instructions:

1. Answer all questions form section A, each question carries one mark.
2. Answer all questions form section B, each question carries two marks.
3. Answer all questions form section C, each question carries three marks.

Section – A

05X01 = 05 Marks

Q1 Convert 480 cm into meters.

- A. 48 m
- B. 0.48 m
- C. 4.8 m
- D. .048 m

Q2 8 Kilograms is equal to

- A. 800 gm
- B. 8000 gm
- C. 80 gm
- D. 80000 gm

Q3 How many cm are in 0.783m?

- A. 78.3 cm
- B. 7.83 cm
- C. 783 cm
- D. 7830 cm

Q4 How many meters are in 0.525mm?

- A. 5.25 m
- B. 52.5 m
- C. 0.000525 m
- D. 0.0525 m

Q5 1 Kilograms is equal to

- A. 100 gm
- B. 1000 gm
- C. 10 gm
- D. 10000 gm



BHARTIYA SKILL DEVELOPMENT UNIVERSITY

Section – B

03X02 = 06 Marks

Q6. Convert 25 liters into the following units.

- (i) centiliters
- (ii) milliliters

Q7 Convert 6250 grams into the following units.

- (ii) kilograms
- (iii) milligrams

Q8 Define Following

- (i) Natural Number
- (ii) Whole Number
- (iii) Real Number
- (iv) Prime Number

Section – C

03X03 = 09 Marks

Q9 Convert 13_{10} to binary:

Q10 Convert 7562_{10} to hex:

Q11 Convert 1101010 to Decimal number:



BHARTIYA SKILL DEVELOPMENT UNIVERSITY

School of General education

1st Semester, 1st In-Sem. Examination

B. Voc. Program, Summer Semester (2021-22)

Course Code: GEN1104

Course Name: Elementary Mathematics

Time: 1 Hour

Max. Marks: 20

Section – A

05X01 = 05 Marks

Q1 Convert 480 cm into meters.

- A. 48 m
- B. 0.48 m
- C. 4.8 m
- D. .048 m

Q2 8 Kilograms is equal to

- A. 800 gm
- B. 8000 gm
- C. 80 gm
- D. 80000 gm

Q3 How many cm are in 0.783m?

- A. 78.3 cm
- B. 7.83 cm
- C. 783 cm
- D. 7830 cm

Q4 How many meters are in 0.525mm?

- A. 5.25 m
- B. 52.5 m
- C. 0.000525 m
- D. 0.0525 m

Q5 1 Kilograms is equal to

- A. 100 gm
- B. 1000 gm
- C. 10 gm
- D. 10000 gm

**BHARTIYA SKILL DEVELOPMENT UNIVERSITY****Section – B**

03X02 = 06 Marks

Q6. Convert 25 liters into the following units.

- (i) centilitres = 2500cl
- (ii) millilitres = 25000ml

Q7 Convert 6250 grams into the following units.

- (i) kilograms = 6.25
- (ii) milligrams = 6250000

Q8 Define Following

- (i) Natural Number - Natural numbers are the numbers that start from 1 and end at infinity.
- (ii) Whole Number - we considered natural numbers as a set of whole numbers excluding the number 0.
- (iii) Real Number - The real numbers include all the rational numbers, such as the integer -5 and the fraction $4/3$, and all the irrational numbers, such as $\sqrt{2}$ (1.41421356..., the square root of 2, an irrational algebraic number). Included within the irrationals are the real transcendental numbers, such as π (3.14159265...)
- (iv) Prime Number - Numbers having only two factors i.e. 1 and the number itself are called prime numbers whereas numbers with more than 2 factors are composite numbers.

Q9. Convert 13_{10} to binary:

Division by 2	Quotient	Remainder
13/2	6	1
6/2	3	0
3/2	1	1
1/2	0	1

So $13_{10} = 1101_2$

**BHARTIYA SKILL DEVELOPMENT UNIVERSITY**Q10 Convert 7562_{10} to hex:

Division by 16	Quotient (integer)	Remainder (decimal)	Remainder (hex)
7562/16	472	10	A
472/16	29	8	8
29/16	1	13	D
1/16	0	1	1

So $7562_{10} = 1D8A_{16}$

Q11 Convert 1101010 to Decimal number:

$$\begin{aligned} &= (1101010)_2 \\ &= 1 \times 2^6 + 1 \times 2^5 + 0 \times 2^4 + 1 \times 2^3 + 0 \times 2^2 + 1 \times 2^1 + 0 \times 2^0 \\ &= 64 + 32 + 0 + 8 + 0 + 2 + 0 \\ &= (106)_{10} \end{aligned}$$

