



set A

School of General Education
Session: 2020-21 (Summer Semester)
B. Voc. Program, 1st Semester,
End-Sem. Examination

Course Code: GEN1101

Set-A

Time: 2 Hours

Course Name: English Language and Comprehension

Max. Marks: 50

Instructions: The question paper comprises three sections A, B & C. Attempt all the questions. Marks allotted are mentioned against each section.

Section-A

10X01 = 10 Marks

- Q1.** Mowgli was a slow learner. The underlined word is the example of:
(A) Noun (B) Verb
(C) Adjective (D) Pronoun
- Q2.** Choose the right option: -
Velu was a:
(A) Washer man (B) Fisherman
(C) Milkman (D) Superman
- Q3.** The possessive form of the pronoun *You* is:
(A) Your's (B) Yourself
(C) Your (D) You are
- Q4.** Find the false one:
(A) A noun is a naming word (B) An adjective defines nouns
(C) Word classes are 8 in number (D) A pronoun is the replacement of an adjective
- Q5.** Rip Van Winkle lived in a small village in.....
(A) South America (B) North America
(C) South Africa (D) India
- Q6.** Write the comparative degree of the following word: -
Wide
- Q7.** Write the meanings of the following pairs of words (homophones):
Write and Right
- Q8.** Who told Mowgli that honey was pleasant to eat?
(A) Bagheera (B) Father Wolf
(C) Black Owl (D) Baloo
- Q9.** My brother lives in..... USA. The suitable article in the blank is:
(A) a (B) an
(C) the (D) zero
- Q10.** Helen Keller could neither see nor.....
(A) Walk (B) Hear
(C) Smell (D) Feel

Section B

04X04 = 16 Marks

- Q11.** Why did Mowgli not trust men?



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Q12. Find out the underlined words whether they are noun/adjective/pronoun/verb:

Trees give shade for the benefit of others while they themselves stand in the sun and in burning heat. They produce the fruit by which others profit. The character of a good man is like that of trees. What is the use of this body if it is not used for the benefit of mankind? Sandalwood, the more it is rubbed, the more scent does it yield.

Q13. How did Sullivan help Helen?

Q14. Explain with reference to the context 'How wonderful to see you again, Papa!'.

Section C

04X06 = 24 Marks

Q15. Do as per the instructions given in the brackets:

- (a) have/you/any/pen/do/good/? (Arrange the words to make a sentence)
- (b) was/ the/ of /1880 /it/ summer/ (Arrange the words to make a sentence)
- (c) baby /may/ not/ the/ live/ (Arrange the words to make a sentence)
- (d) My sister is..... than me. (Fill in the blank with the comparative degree of **Brilliant**)
- (e) Parents are often keen to help..... Children. (Fill in the blank by choosing appropriate word from-**There** or **Their**)
- (f) She is..... Lata Mangeshkar of our concert. (Fill in the blank by choosing appropriate article: A/An/The/Zero)

Q16. What message does the poet want to give through the poem '*Stopping by Woods on a Snowy Evening*'? Explain it by giving the summary of the whole poem.

Q 17. Make sentences by using each of the following words: -

- | | | |
|-------------|------------|------------|
| (a) snow | (c) damage | (e) boat |
| (b) mistake | (d) blind | (f) forest |

Q18. Write example sentences (one sentence in each) to express each of the following notions:

- (i) Making Request
- (ii) Asking for Permission
- (iii) Agreement
- (iv) Disagreement
- (v) Expressing Excuses
- (vi) Greeting while meeting someone

5/11



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School of General Education

Session: 2020-21 (Summer Semester)

B. Voc. Program, 1st Semester,

End-Sem. Examination

Set-1 (Answer-Key)

Course Code: GEN1101

Course Name: English Language and Comprehension

Time: 2 Hours

Max. Marks: 50

Answer Key
Set A

Answer Key:

Section A

- 1 C Adjective
- 2 B Fisherman
- 3 C Your
- 4 D A Pronoun is the replacement of an adjective
- 5 B. North America
- 6 Wider
- 7 Write: To note Right: Correct
- 8 D Baloo
- 9 C The
- 10 B Hear

Section B

11 Mowgli did not trust men because Bagheera had shown him traps set by men to catch animals.

12. Give: Verb, Themselves: Pronoun, Sun: Noun, They: Pronoun, Good: Adjective, Is: Verb, It: Pronoun, Scent: Noun

13 Miss Sullivan spelt a lot of words for Helen to make her understand. She made letters with special hand signs.

14 . The sentence has been taken from the short story Rip Van Winkle. The statement was stated by Rip's daughter when she met her father after 20 years. The family of Rip was in search for Rip Van Winkle and it was surprising for his daughter to meet him again.

Section C

Q. 15. A. Do you have any good pen?

B. It was the summer of 1880.

C. The baby may not live.



E. Their

F. A

Q. 16. The speaker in the poem is traveling at night through the snow and pauses with his horse near the woods to watch the snow falling. His horse shakes his harness bells, questioning him about stopping in the woods; or he is curious that there doesn't appear to be a farmhouse nearby.

The speaker continues to stand near the woods, attracted by the deep, dark silence of his surroundings. He feels compelled to move further into the snowy woods, but he ultimately decides to continue his long journey to his house as he is reminded of his various pending duties and responsibilities to be carried out before the fall of the night- concluding with perhaps the most famous lines of the poem: 'But I have promises to keep, and miles to go before I sleep, and miles to go before I sleep.'

On the one hand, the speaker wants to take a moment to pause in a quiet spot to watch the snow falling, perhaps to soothe his mind and contemplate nature. The pull of the woods could just be the solitude of being alone and the lure of being free of responsibilities.

Q. 17 A. I like snow falling. B. He committed mistake yesterday. C. This damage is irreparable
D. Helen Keller was blind. E. Your boat is larger than me. F. My friend lives in the jungle.

Q. 18

- (i) Making Request: Can you do me a favor?
- (ii) Asking for Permission: Are we allowed to go outside?
- (iii) Agreement: Sure, I'll be glad to announce the name.
- (iv) Disagreement: I disagree.../ I would disagree with you.
- (v) Expressing Excuses: I am terribly sorry.
- (vi) Greeting while meeting someone: Hello! How are you?



Set B

School of General Education
Session: 2020-21 (Summer Semester)
B. Voc. Program, 1st Semester,
End-Sem. Examination

Course Code: GEN1101

Time: 2 Hours

Course Name: English Language and Comprehension

Max. Marks: 50

Instructions: The question paper comprises three sections A, B & C. Attempt all the questions. Marks allotted are mentioned against each section.

Section-A

10X01 = 10 Marks

- Q1. I want success. The underlined word is the example of:
(A) Noun (B) Verb
(C) Adjective (D) Pronoun
- Q2. Choose the right option: -
Who said, "I don't want your help, go away"?:
(A) Helen Keller (B) Velu
(C) Mowgli (D) Rip Van Winkle
- Q3. The possessive form of the pronoun *They* is:
(A) Their's (B) Themselves
(C) Their (D) Them
- Q4. Find the false one:
(A) A noun is a naming word (B) An adjective defines nouns
(C) Word classes are 8 in number (D) An adverb defines a pronoun
- Q5. Rip Van Winkle lived in a small village in.....
(A) South America (B) North America
(C) South Africa (D) India
- Q6. Write the comparative degree of the following word: -
Pretty
- Q7. Write the meanings of the following pairs of words (homophones):
One and Won
- Q8. Which animal character has not been mentioned in the story of Mowgli?
(A) Bagheera (B) Wolf
(C) Lion (D) Baloo
- Q9. My father likes bananas. The suitable article in the blank is:
(A) a (B) an
(C) the (D) zero
- Q10. Helen Keller was born in....
(A) Alabama (B) Ambala
(C) Alamara (D) Alambasa

Section B

04X04 = 16 Marks

- Q11. Why did Velu throw the small fish back into the sea?



Q12. Find out the underlined words whether they are noun/adjective/pronoun/verb:

The learning environment of my school is matchless because every activity, either academic or extra-curricular ones, add an extra attainment of learning in our personality. The efficient teachers, rather I would address them the mentors of our career, who guide and train us in all the fundamental real life experiences along with the syllabuses prescribed in different standards by using activity-based pedagogy.

Q13. “Give the poor child what she wants”. Explain the statement with reference to the context.

Q14. Write **four** utterances asking for ‘**Permission**’.

Section C

04X06 = 24 Marks

Q15. Do as per the instructions given in the brackets:

- (a) me/your/is/phone/by/liked. (Arrange the words to make a sentence)
- (b) was/ the/ of /1990 /it/ winter/? (Arrange the words to make a sentence)
- (c) today /may/ it/ rain. (Arrange the words to make a sentence)
- (d) My sister is..... than me. (Fill in the blank with the comparative degree of **Beautiful**)
- (e) I bought some sweets.....his birthday gift. (Fill in the blank by choosing appropriate word from-**Four** or **For**)
- (f) He is..... Amitabh Bachhan of our group. (Fill in the blank by choosing appropriate article: A/An/The/Zero)

Q16. Rewrite the story of Rip Van Winkle in your words.

Q 17. Make sentences by using each of the following words: -

- | | | |
|-------------|------------|---------------|
| (a) old | (c) dirty | (e) important |
| (b) Village | (d) greedy | (f) horse |

Q18. Write the summary of the poem, “Stopping by Woods on a Snowy Evening”



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School of General Education

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Set-2 (Answer-Key)

Course Code: GEN1101

Time: 2 Hours

Course Name: English Language and Comprehension

Max. Marks: 50

Answer Key:

Section A

- 1 A Noun
- 2 B Velu
- 3 C Their
- 4 D An adverb defines a pronoun
- 5 B. North America
- 6 Prettier
- 7 One: single in number, Won: We won the match yesterday
- 8 C Lion
- 9 D Zero
- 10 A Alabama

Section B

11 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.

12. Environment: Noun, Every: Adjective, Our: Pronoun, Would: Verb, Guide: Verb, Us: Pronoun, Syllabuses: Noun, Different: Adjective

13 This statement was being stated by the father of Helen Keller. She could not see and hear due to a serious illness in her childhood. The world became dark for her and she often cried and grew wild. She would even lie on the floor and kick her feet. Seeing her helplessness, her father wanted to make her happy in any situation.

14 . Please allow me to ...

If you allow me...

If no one objects...

Are we allowed to ...?



Section C

Q. 15. A. Your phone is liked by me.

B. Was it the winter of 1990?

C. It may rain today

D. More beautiful

E. for

F. Zero

Q. 16. Rip Van Winkle was a simple, kind hearted man who lived in a small village in North America. He told good stories and so the children loved him. Rip's only problem was that he was lazy and spent his time shooting, fishing and dreaming.

One day, Rip went to the Catskill Mountains. He saw a strangely dressed man who was trying to lift a big barrel. Rip kindly lifted the barrel and went up the mountain. When they came to a level field, Rip saw seven men playing a game. They gave him something to drink. After drinking, Rip fell asleep.

When Rip woke up everything had changed. He went to his village and could not recognize anything. He also had become an old man. He saw a young woman with a baby. She told him that her father's name was Rip. Rip was very happy to see his daughter. He went and lived in her house very happily.

Q. 17 A. This college is very old. B. I live in a village. C. This place seems dirty D. They are greedy. E. The role of a teacher is very important in our career. F. My friend is learning horse riding now-a days.

Q. 18

The speaker in the poem is traveling at night through the snow and pauses with his horse near the woods to watch the snow falling. His horse shakes his harness bells, questioning him about stopping in the woods; or he is curious that there doesn't appear to be a farmhouse nearby.

The speaker continues to stand near the woods, attracted by the deep, dark silence of his surroundings. He feels compelled to move further into the snowy woods, but he ultimately decides to continue his long journey to his house as he is reminded of his various pending duties and responsibilities to be carried out before the fall of the night- concluding with perhaps the most famous lines of the poem: 'But I have promises to keep, and miles to go before I sleep, and miles to go before I sleep.'

On the one hand, the speaker wants to take a moment to pause in a quiet spot to watch the snow falling, perhaps to soothe his mind and contemplate nature. The pull of the woods could just be the solitude of being alone and the lure of being free of responsibilities.



School of General Education
Session: 2020-21 (Summer Semester)

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

Course Code: GEN 1103

Set A

Time: 2 Hours

Course Name: Applied Mathematics

Max. Marks: 50

Instruction: 1. Calculator is strictly prohibited.
2. Missing data if any can be suitably assumed.

Section – A

10X01 = 10 Marks

Q1. If $A = \{a, c, e, g, h\}$ and $B = \{a, b, c, d\}$, then $B - A$ is

- (A) $\{a\}$ (B) $\{a, b, c\}$
(C) $\{a, b, c, d\}$ (D) $\{b, d\}$

Q2. Which of the following number is the prime number?

- (A) 102 (B) 71
(C) 25 (D) 51

Q3. $\frac{d}{dx}(ax^4) =$

- (A) ax^5 (B) $a\frac{x^5}{5} + c$
(C) $4ax^3$ (D) none of them

Q4. $\frac{d}{dx}(9a) =$

- (A) 9 (B) a
(C) 0 (D) 1

Q5. $\lim_{x \rightarrow 0} x^2 + 7x + 3$

- (A) 8 (B) 0
(C) 3 (D) 1

Q6. $\int 1 dx =$

- (A) $x + c$ (B) $4x + c$
(C) 0 (D) $x^4 + c$

Q7. $\int e^{5x} dx =$

- (A) $\frac{e^x}{5} + c$ (B) $\frac{e^{5x}}{5} + c$
(C) $\frac{e^{5x}}{x} + c$ (D) $\frac{e^{5x}}{5x} + c$

Q8. $\int \frac{1}{x} dx =$

(A) 0

(B) $\log x + c$

(C) $\log a + c$

(D) $-\frac{1}{x^2} + c$

Q9. If $A = \{1, 2, 3, 4\}$ and $B = \{3, 4, 5, 6\}$, then $A \cup B$ is

(A) $\{1, 2, 3, 4\}$

(B) $\{3, 4, 5, 6\}$

(C) $\{3, 4\}$

(D) $\{1, 2, 3, 4, 5, 6\}$

Q10. $\frac{d}{dx}(x^2 + a) =$

(A) $2x$

(B) $2x + 1$

(C) $2x + a$

(D) 0

Section – B

04X04 = 16 Marks

Q11. Evaluate $\lim_{x \rightarrow 0} \frac{\sqrt{2+x} - \sqrt{2}}{x}$

Q12. Evaluate $\lim_{x \rightarrow 1/2} \frac{4x^2 - 1}{2x - 1}$

Q13. If $\frac{x \sin x}{\sqrt{1-x^2}}$, then find $\frac{dy}{dx}$.

Q14. Evaluate $\int \left(2x^4 + \frac{3}{x^3} + 7 \right) dx$

Section – C

04X06 = 24 Marks

Q15. Write down the below mentioned sets in set-builder form

(a) $A = \{3, 6, 9, 12\}$

(b) $B = \{2, 4, 8, 16, 32\}$

(c) $C = \{1, 4, 9, \dots, 100\}$

Q16. Differentiate the following with respect to x .

(a) $\frac{5x^4 + 7 \tan x}{3x^2 + 2}$

(b) $x^2 \sec x$

Q17. Integrate the following with respect to x .

(a) $\int \sqrt{x} + \frac{1}{3\sqrt{x}} dx$

(b) $\int (12x^{3/5} - 8x^{4/5}) dx$

Q18. If $L = \{1, 2, 3, 4\}$, $M = \{3, 4, 5, 6\}$ and $N = \{1, 3, 5\}$. Verify that

$$L - (M \cup N) = (L - M) \cap (L - N)$$

MEN 1103 (A)

Answer key

Q1 (B) Q2 (A) Q3 (C) Q4 (C) Q5 (C) Q6 (B)

Q7 (C) Q8 (C) Q9 (D) Q10 (A)

Q11 $\lim_{x \rightarrow 1/3} \frac{9x^2 - 1}{3x - 1}$

$$\lim_{x \rightarrow 1/3} \frac{(3x-1)(3x+1)}{(3x-1)} = 3 \times \frac{1}{3} + 1 = 2$$

Q12 $\lim_{x \rightarrow 2} \frac{x^2 - 4}{\sqrt{3x-2} - \sqrt{x+2}}$

$$\lim_{x \rightarrow 2} \frac{x^2 - 4}{\sqrt{3x-2} - \sqrt{x+2}} \times \frac{\sqrt{3x-2} + \sqrt{x+2}}{\sqrt{3x-2} + \sqrt{x+2}}$$

$$\Rightarrow \lim_{x \rightarrow 2} \frac{(x^2 - 4)(\sqrt{3x-2} + \sqrt{x+2})}{(3x-2) - (x+2)}$$

$$\Rightarrow \lim_{x \rightarrow 2} \frac{(x-2)(x+2)(\sqrt{3x-2} + \sqrt{x+2})}{2(x-2)} = (2+2)(\sqrt{4} + \sqrt{4}) = 4(2+2) = 16$$

Q13

$$y = \frac{(\log x)(x^2 + 4)}{\tan x} \Rightarrow \frac{dy}{dx} = \frac{\tan x \frac{d}{dx}((\log x)(x^2 + 4)) - (\log x)(x^2 + 4) \frac{d}{dx} \tan x}{\sec^2 x}$$

$$\Rightarrow \frac{dy}{dx} = \frac{\tan x \left[\log x (2x) + (x^2 + 4) \cdot \frac{1}{x} \right] - \log x (x^2 + 4) \sec^2 x}{\tan^2 x}$$

Q.14 $\int \frac{x^{1/4} + \sqrt{x} + x^2}{x^2} dx$ $\frac{1}{2} \rightarrow \frac{1}{4}$
 $-\frac{7}{4} + 1$
 $-\frac{7+4}{4}$
 $-\frac{3}{2} + 1$
 $-\frac{3}{2} + 1$

$$= \int (x^{1/4-2} + x^{1/2-2} + 1) dx$$

$$= \int (x^{-7/4} + x^{-3/2} + 1) dx = \frac{x^{-7/4+1}}{-7/4+1} + \frac{x^{-3/2+1}}{-3/2+1} + x + C$$

$$= \frac{-4}{3} x^{-3/4} - 2 x^{-1/2} + x + C.$$

Q.15 (a) $A = \{-3, -2, -1, 0, 1, 2, 3, 4, 5, 6\}$

(b) $B = \{1, 2, 3, 4, 5\}$

Q.16 (a) $\frac{dy}{dx} = \frac{(x^3+a) \frac{d}{dx}(7x^3+5\sec a) - (7x^3+5\sec a) \frac{d}{dx}(x^3+a)}{(x^3+a)^2}$

$$\frac{dy}{dx} = \frac{(x^3+a)(21x^2+5\sec a \tan a) - (7x^3+5\sec a)(3x^2)}{(x^3+a)^2}$$

(b) $\frac{dy}{dx} = ax^3 \frac{d}{dx} \sqrt{\log x} + \sqrt{\log x} \frac{d}{dx} ax^3$

$$\frac{dy}{dx} = ax^3 \frac{1}{2\sqrt{\log x}} \cdot \frac{1}{x} + \sqrt{\log x} \cdot 3x^2 a.$$

Q.17 (a) $\int \frac{x^4 + x^2}{\sqrt{x}} dx$ $\frac{4}{2} = 2$

$$= \int x^{4-1/2} + x^{2-1/2} dx$$

$$= \int x^{7/2} + x^{3/2} dx = \frac{x^{7/2+1}}{7/2+1} + \frac{x^{3/2+1}}{3/2+1} + C$$

$$= \frac{2}{9} x^{9/2} + \frac{2}{5} x^{5/2} + C$$

(b) $\int \left(\frac{8}{x} - \frac{5}{x^2} + \frac{6}{x^3} \right) dx$

$= 8 \log x + \frac{5}{x} - \frac{6}{2x^2} + C$

Q18

$U = \{1, 2, 3, 4, 5, 6\}$

$A = \{2, 3\}, B = \{3, 4, 5\}$

$A' = U - A = \{1, 4, 5, 6\}$

$B' = U - B = \{1, 2, 6\}$

$A \cap B' = \{2, 3\} \cap \{1, 6\} = \{ \} \quad \text{--- (1)}$

$A \cup B = \{2, 3, 4, 5\}$

$(A \cup B)' = U - (A \cup B) = \{1, 6\} \quad \text{--- (2)}$

from (1) and (2)

$A \cap B' = (A \cup B)'$ Hence proved.

Answer key

- Q1 (D) Q2 (B) Q3 (C) Q4 (C) Q5 (C) Q6 (A) Q7 (B)
Q8 (B) Q9 (D) Q10 (A)

Q11 $\lim_{x \rightarrow 0} \frac{\sqrt{2+x} - \sqrt{2}}{x} \times \frac{\sqrt{2+x} + \sqrt{2}}{\sqrt{2+x} + \sqrt{2}}$
 $\Rightarrow \lim_{x \rightarrow 0} \frac{(2+x) - (2)}{x(\sqrt{2+x} + \sqrt{2})} = \lim_{x \rightarrow 0} \frac{1}{\sqrt{2+x} + \sqrt{2}} = \frac{1}{2\sqrt{2}}$

Q12 $\lim_{x \rightarrow \frac{1}{2}} \frac{4x^2 - 1}{2x - 1} = \lim_{x \rightarrow \frac{1}{2}} \frac{(2x+1)(2x-1)}{(2x-1)} = 2 \times \frac{1}{2} + 1 = 2$

Q13 $\frac{dy}{dx} = \frac{\sqrt{1-x^2} \frac{d}{dx} x \sin x - x \sin x \frac{d}{dx} \sqrt{1-x^2}}{(1-x^2)}$

$\frac{dy}{dx} = \frac{\sqrt{1-x^2} (x \cos x + \sin x) - x \sin x \frac{1}{2\sqrt{1-x^2}} (-2x)}{(1-x^2)}$

Q14 $\int (2x^4 + 3x^{-3} + 7) dx$
 $= \frac{2}{5} x^5 - \frac{3}{2x^2} + 7x + C$

- Q18 (a) $A = \{x = 3n, n \in \mathbb{N}, N \leq 4\}$
 (b) $B = \{x = 2^n, n \in \mathbb{N}, N \leq 5\}$
 (c) $C = \{x = n^2, n \in \mathbb{N}, N \leq 10\}$

(16) (a)

$$y = \frac{5x^4 + 7 \tan x}{3x^2 + 2}$$

$$\frac{dy}{dx} = \frac{(3x^2 + 2) \frac{d}{dx}(5x^4 + 7 \tan x) - (5x^4 + 7 \tan x) \frac{d}{dx}(3x^2 + 2)}{(3x^2 + 2)^2}$$

$$\frac{dy}{dx} = \frac{(3x^2 + 2)(20x^3 + 7 \sec^2 x) - (5x^4 + 7 \tan x)(6x)}{(3x^2 + 2)^2}$$

(b) $y = x^2 \sec x$

$$\frac{dy}{dx} = 2x \sec x + x^2 \sec x \tan x$$

(17) (a)

$$\int \left(\sqrt{x} + \frac{1}{3\sqrt{x}} \right) dx$$

$$= \frac{x^{1/2+1}}{1/2+1} + \frac{1}{3} \frac{x^{-1/2+1}}{-1/2+1} + C$$

$$= \frac{2x^{3/2}}{3} + \frac{2}{3} x^{1/2} + C$$

(b) $\int (12x^{3/5} - 8x^{4/5}) dx$

$$= \frac{12x^{3/5+1}}{3/5+1} - 8 \frac{x^{4/5+1}}{4/5+1} + C$$

$$= \frac{12x^{8/5}}{8/5} - \frac{8x^{9/5}}{9/5} + C$$

$$\textcircled{18} \quad L = \{1, 2, 3, 4\}$$

$$M = \{3, 4, 5, 6\}$$

$$N = \{1, 3, 5\}$$

$$M \cup N = \{1, 3, 4, 5, 6\}$$

$$L - (M \cup N) = \{2\} \quad \text{---} \textcircled{1}$$

$$L - M = \{1, 2\}$$

$$L - N = \{2, 4\}$$

$$(L - M) \cap (L - N) = \{2\} \quad \text{---} \textcircled{2}$$

from $\textcircled{1}$ and $\textcircled{2}$

$$L - (M \cup N) = (L - M) \cap (L - N)$$



School of General Education
Session: 2020-21 (Summer Semester)
B. Voc. Program, 1st Semester,
End-Sem. Examination

Course Code: GEN1104

Set A

Time: 2 Hours

Course Name: Elementary Mathematics

Max. Marks: 50

Instruction:

1. All questions are compulsory.
2. Missing data if any can be suitably assumed

Section – A

10X01 = 10 Marks

1. The sum of linear pair is:
a) 90° (c) 180°
b) 360° (d) 0°
2. Convert $(14)_{10}$ to binary number:
a) $(11)_2$ (c) $(1110)_2$
b) $(11000)_2$ (d) $(10)_2$
3. Surface area of sphere is:
a) $3\pi r^2$ (c) $4\pi r^2$
b) $3\pi r^3$ (d) $2\pi r$
4. Convert 32m 60 cm into cm:
a) 32.60 cm (c) 3200 cm
b) 3.260 cm (d) 3260 cm
5. Value of $\cos^2 30^\circ$ is:
a) $\frac{1}{2}$ (c) $\frac{\sqrt{3}}{2}$
b) $\frac{3}{4}$ (d) 0
6. Average value of data is determined by:
a) Mean (c) Mode
b) Median (d) Frequency
7. $3\sin 30^\circ + 2\sin^2 45^\circ$ is:
a) 1 (c) $\frac{5}{2}$
b) $\frac{3}{4}$ (d) 4
8. Area of circle with radius 14m is:
a) 44cm (c) 154 m
b) 44cm^2 (d) 616m^2
9. How many meters are there in 1 cm?
a) 0.01 (c) 0.1
b) 1000 (d) 100
10. What does F represent in hexadecimal?
a) 10 (c) 11
b) 12 (d) 15



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Course Code: GEN1104

Time: 2 Hours

Course Name: Elementary Mathematics

Max. Marks: 50

Instruction:

1. All questions are compulsory.
2. Missing data if any can be suitably assumed

ANSWER KEY

Section – A

10X01 = 10 Marks

1. The sum of linear pair is:
a) 90°
b) 360°
(c) **180°**
(d) 0°
2. Convert $(14)_{10}$ to binary number:
a) $(11)_2$
b) $(11000)_2$
(c) **$(11110)_2$**
(d) $(10)_2$
3. Surface area of sphere is:
a) $3\pi r^2$
b) $3\pi r^3$
(c) **$4\pi r^2$**
(d) $2\pi r$
4. Convert 32m 60 cm into cm:
a) 32.60 cm
b) 3.260 cm
(c) 3200 cm
(d) **3260 cm**
5. Value of $\cos^2 30^\circ$ is:
a) $\frac{1}{2}$
b) $\frac{3}{4}$
(c) **$\frac{\sqrt{3}}{2}$**
(d) 0
6. Average value of data is determined by:
a) **Mean**
b) Median
(c) Mode
(d) Frequency
7. $3\sin 30^\circ + 2\sin^2 45^\circ$ is:
a) 1
b) $\frac{3}{4}$
(c) **$\frac{5}{2}$**
(d) 4
8. Area of circle with radius 14m is:
a) 44cm
b) 44cm^2
(c) 154 m
(d) **616m^2**
9. How many meters are there in 1 cm?
a. **0.01**
b. 1000
c. 0.1
d. 100

10. What does F represent in hexadecimal?

- a) 10
- b) 12

- c) 11
- d) 15

Section – B

11. a) Length of ladder =13 m.

BC=12m, AC=13 m.

In ΔABC ,

$$AB^2+BC^2=AC^2 \quad (\text{Pythagoras theorem})$$

$$AB^2=AC^2-BC^2$$

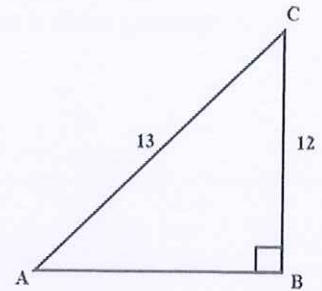
$$=13^2-12^2$$

$$=169-144$$

$$=25$$

$$\therefore AB=5 \text{ m.}$$

\therefore The distance of the foot of the ladder from the base of the wall =5 m



c) $AB^2+BC^2=AC^2$

$$(x+2)^2 = x^2 + (10)^2$$

$$x^2+4x+4= 100+x^2$$

$$100=4X+4$$

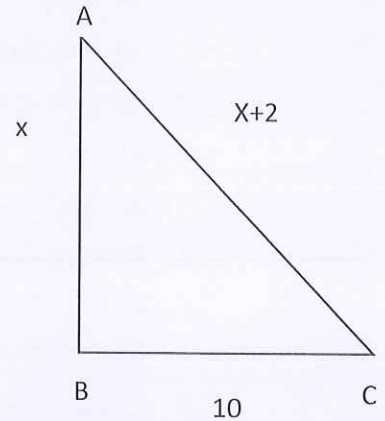
$$4X=100-4$$

$$4X=96$$

$$X=96/4$$

$$X=24$$

24+2=26, feet is the length of the ladder



12. Convert the following Decimals to hexadecimal:

a. $(12)_{10} = (C)_{16}$

Divided by 16	Quotient	Remainder	Hexadecimal
12/16	0	12	C

b. $(268)_{10} = (10C)_{16}$

Divided by 16	Quotient	Remainder	hexadecimal
268/16	16	12	C
16/16	1	0	0
1/16	0	1	1

13. a) $TSA = 2\pi r(r+h)$
 $= 2 \times \frac{22}{7} \times 14(14+7)$
 $= 1848 \text{ cm}^2$

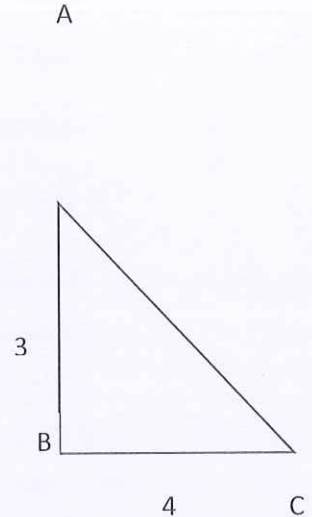
Volume $= \pi r^2 h$
 $= \frac{22}{7} \times 14 \times 14 \times 7$
 $= 4312 \text{ cm}^3$

b) Volume of cuboid = base area \times height
 $900 = 180 \times \text{height}$
 So, height $= 900/180 = 5 \text{ cm}$

14. If $4\tan \theta = 3$, find $(4\sin \theta - \cos \theta)$
 $(4\sin \theta + \cos \theta)$

$\tan \theta = \frac{3}{4}$
 $AB^2 + BC^2 = AC^2$
 $3^2 + 4^2 = AC^2$
 $AC^2 = 25$
 $AC = 5$
 $\sin \theta = \frac{3}{5}$
 $\cos \theta = \frac{4}{5}$

$\frac{(4\sin \theta - \cos \theta)}{(4\sin \theta + \cos \theta)} = \frac{4 \times \frac{3}{5} - \frac{4}{5}}{4 \times \frac{3}{5} + \frac{4}{5}} = \frac{8/5 - 4/5}{12/5 + 4/5} = \frac{4/5}{16/5} = \frac{4}{16} = \frac{1}{4}$



Section – C

04X06 = 24 Marks

15. a) Given, length of lawnmower = 1m = 100cm
 Its circumference $= \pi \times D = \frac{22}{7} \times 84 = 264 \text{ cm}$
 Length of field will be $= 264 \times 750 = 198000 \text{ cm}$
 Here, the width of field = length of the lawnmower i.e. 100 cm
 So, area of field $= 198000 \times 100 = 19,800,000 \text{ cm}^2$ Or, 1980 m^2

b) Perimeter of square formula $= 4 \times \text{side of the square}$
 Hence, P (square) $= 4 \times 60 = 240 \text{ cm}$
 Perimeter of rectangle formula $= 2 \times (\text{Length} + \text{Breadth})$
 Hence, P (rectangle) $= 2(80 + \text{Breadth})$
 $= 160 + 2 \times \text{Breadth}$
 According to the given question,
 $160 + 2 \times \text{Breadth} = 240 \text{ cm}$
 $2 \times \text{Breadth} = 240 - 160$
 Breadth $= 80/2$
 The breadth of the rectangle $= 40 \text{ cm}$



Now, the area of rectangle = Length \times Breadth = $80 \times 40 = 3200 \text{ cm}^2$

16. a) $\sin^2\theta + \cos^2\theta = 1$

$$\cos \theta = \sqrt{1 - \sin^2\theta}$$

$$\sec \theta = 1/\sqrt{1 - \sin^2\theta}$$

$$\tan \theta = \frac{\sin \theta}{\cos \theta} = \frac{\sin \theta}{\sqrt{1 - \sin^2\theta}}$$

$$\cot \theta = \frac{\sqrt{1 - \sin^2\theta}}{\sin \theta}$$

$$\text{cosec } \theta = 1/\sin \theta$$

b) If $\sqrt{3} \tan\theta = 1$, find the value of:

$$AB^2 + BC^2 = AC^2$$

$$AC^2 = 1^2 + \sqrt{3}^2$$

$$AC^2 = 4$$

$$AC = 2$$

(i) $\sin^2\theta + \cos^2\theta$

$$\sin \theta = \frac{1}{2}$$

$$\cos \theta = \frac{\sqrt{3}}{2}$$

$$\sin^2\theta + \cos^2\theta = \frac{1}{4} + \frac{3}{4} = 1$$

(ii) $\sin^2\theta \cos^2\theta = \frac{1}{4} \times \frac{3}{4} = \frac{3}{16}$

17. Find the value of:

(i) $\frac{5 \cos^2 60^\circ + 4 \sec^2 30^\circ - \tan^2 45^\circ}{\sin^2 30^\circ + \cos^2 30^\circ} = \frac{5/4 + 16/3 - 1}{1/4 + 3/4} = \frac{51}{3} = 17$

(ii) $\frac{1 - \tan^2 45^\circ}{1 + \tan^2 45^\circ} = \frac{1 - 1}{1 + 1} = 0$

(iii) $\frac{\cos 45^\circ}{\sec 30^\circ + \text{cosec } 30^\circ} = \frac{1/\sqrt{2}}{2/\sqrt{3} + 2}$

(iv) $\frac{3 \sin 45^\circ + 2 \cos 45^\circ}{6 \sin 45^\circ \cos 45^\circ} = \frac{3/\sqrt{2} + 2/\sqrt{2}}{6/2} = \frac{5/\sqrt{2}}{3} = \frac{5\sqrt{2}}{3}$

(v) $\frac{\tan 47^\circ}{\cot 43^\circ} = \frac{\tan (90^\circ - 47^\circ)}{\cot 43^\circ} = 1$

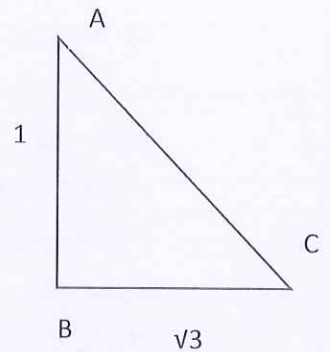
(vi) $\cos 48^\circ - \sin 59^\circ = \cos (90^\circ - 48^\circ) - \sin 59^\circ = 0$

18. Find the mean, median and mode of the given data:

12, 15, 19, 22, 25, 36, 22, 30

$$\text{Mean} = \frac{12 + 15 + 19 + 22 + 25 + 36 + 22 + 30}{8} = \frac{181}{8} = 22.625$$

$$\text{Median} = \frac{8}{2} \text{ \& } \frac{8}{2} + 1 = \frac{22 + 22}{2}, \text{ mode} = 22$$



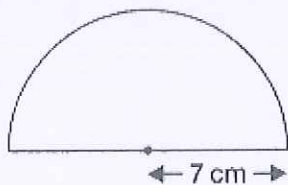
School of General Education**Session: 2020-21 (Summer Semester)****B. Voc. Program, 1st Semester,****End-Sem. Examination****Course Code: GEN1104***Set - B***Time: 2 Hours****Course Name: Elementary Mathematics****Max. Marks: 50****Instruction:**

1. All questions are compulsory.
2. Missing data if any can be suitably assumed

Section – A

10X01 = 10 Marks

1. The sum of supplementary angles is:
a) 90°
b) 360°
c) 180°
d) 0°
2. Convert $(100100)_2$ to decimal number:
a) $(15)_{10}$
b) $(14)_{10}$
c) $(24)_{10}$
d) $(36)_{10}$
3. Total surface area of cone is:
a) $3\pi r^2$
b) $\pi r(l+r)$
c) $4\pi r^2$
d) $\pi r l$
4. Convert 32cm 60 mm into cm:
a) 32.60 cm
b) 3.260 cm
c) 38 cm
d) none of these
5. Value of $\cos^2 30^\circ + \sin^2 30^\circ$ is:
a) $\frac{1}{2}$
b) $\frac{3}{4}$
c) 1
d) 0
6. Find the mode of: 2,3,3,4,5,6,6,6,7
a) 2
b) 3
c) 6
d) none of these
7. The area of the figure is



- a) 77 cm^2
b) 38.5 cm^2
c) 154 cm^2
d) none of these
8. $3\sin^2 30^\circ + 2\sin^2 45^\circ$ is:
a) 1
b) $\frac{3}{4}$
c) $\frac{7}{4}$
d) 4
9. Circumference of circle with radius 7m is:
a) 44m
b) 44cm^2
c) 154 m
d) 616 m^2
10. How many meters are there in 1 mm?
a) 0.01
b) 1000
c) 0.001
d) 100



School of General Education
Session: 2020-21 (Summer Semester)
B. Voc. Program, 1st Semester,
End-Sem. Examination

Course Code: GEN1104

Course Name: Elementary Mathematics

Answers key

Time: 2 Hours

Max. Marks: 50

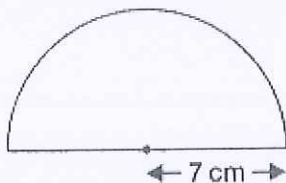
Instruction:

1. All questions are compulsory.
2. Missing data if any can be suitably assumed

Section – A

10X01 = 10 Marks

1. The sum of supplementary angles is:
a) 90°
b) 360°
(c) **180°**
(d) 0°
2. Convert $(100100)_2$ to decimal number:
a) $(15)_{10}$
b) $(14)_{10}$
(c) $(24)_{10}$
(d) **$(36)_{10}$**
3. Total surface area of cone is:
a) $3\pi r^2$
b) $\pi r(l+r)$
(c) $4\pi r^2$
(d) πrl
4. Convert 32cm 60 mm into cm:
a) 32.60 cm
b) 3.260 cm
(c) **38 cm**
(d) none of these
5. Value of $\cos^2 30^\circ + \sin^2 30^\circ$ is:
a) $\frac{1}{2}$
b) $\frac{3}{4}$
(c) **1**
(d) 0
6. Find the mode of: 2,3,3,4,5,6,6,6,7
a) 2
b) 3
(c) **6**
(d) none of these
7. The area of the figure is



- a. **77 cm^2**
b. 38.5 cm^2
c. 154 cm^2
d. none of these
8. $3\sin^2 30^\circ + 2\sin^2 45^\circ$ is:
a) 1
b) $\frac{3}{4}$
(c) **$\frac{7}{4}$**
(d) 4

9. Circumference of circle with radius 7m is:
- a) 44m (c) 154 m
 b) 44cm² (d) 616 m²
10. How many meters are there in 1 mm?
- a) 0.01 (c) 0.001
 b) 1000 (d) 100

Section – B

04X04 = 16 Marks

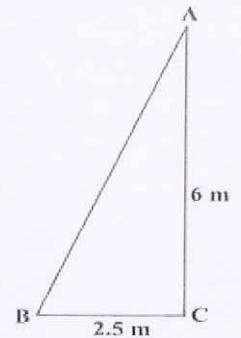
11. a) Let AB be the ladder and CA be the wall with the window at A.

Also, BC = 2.5 m and CA = 6 m

From Pythagoras Theorem, we have:

$$AB^2 = BC^2 + CA^2 = (2.5)^2 + (6)^2 = 42.25$$

So, AB = 6.5 Thus, length of the ladder is 6.5 m



- b) In the right-angled triangle LMN, $\angle M = 90^\circ$. Hence, side LN is the hypotenuse.

According to Pythagoras' theorem,

$$(LN)^2 = (MN)^2 + (LM)^2$$

$$\Rightarrow (20)^2 = (MN)^2 + (12)^2$$

$$\Rightarrow 400 = (MN)^2 + 144$$

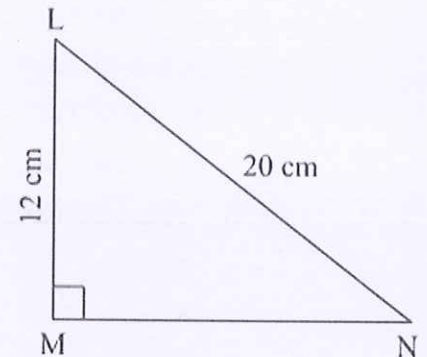
$$\Rightarrow (MN)^2 = 400 - 144$$

$$\Rightarrow (MN)^2 = 256$$

$$\Rightarrow (MN)^2 = (16)^2$$

$$\Rightarrow (MN) = 16$$

\therefore Length of seg MN = 16 cm.



12. Convert the following binary numbers to decimals:

a. $(111001)_2$

$$(111001)_2 = 1 \cdot 2^5 + 1 \cdot 2^4 + 1 \cdot 2^3 + 0 \cdot 2^2 + 0 \cdot 2^1 + 1 \cdot 2^0$$

$$= 32 + 16 + 8 + 0 + 0 + 1$$

$$= (57)_{10}$$

b. $(111000)_2$

$$(111000)_2 = 1 \cdot 2^5 + 1 \cdot 2^4 + 1 \cdot 2^3 + 0 \cdot 2^2 + 0 \cdot 2^1 + 0 \cdot 2^0$$

$$= 32 + 16 + 8 + 0 + 0 + 0$$

$$= (56)_{10}$$

13. a) Volume of cuboid = base area \times height

$$900 = 180 \times \text{height, So, height} = 900/180 = 5 \text{ cm}$$



b) Given,

Length of the box, $l = 2$ m,

Breadth of box, $b = 1$ m

Height of box, $h = 1.5$ m

We know that the surface area of a cuboid = $2(lb + lh + bh)$

But here the bottom part is not to be painted.

So, Surface area of box to be painted = $lb + 2(bh + hl)$

$$= 2 \times 1 + 2(1 \times 1.5 + 1.5 \times 2)$$

$$= 2 + 2(1.5 + 3.0)$$

$$= 2 + 9.0$$

$$= 11$$

Hence, the required surface area of the cuboidal box = 11 m^2

14. a)

$$10 \cdot \frac{1 - \cot^2 45^\circ}{1 + \sin^2 90^\circ} = 10 \cdot \frac{1 - (1)^2}{1 + (1)^2} = 10 \cdot \left(\frac{0}{2}\right) = 0$$

b) We know that, $\cot^2 \theta = \operatorname{cosec}^2 \theta - 1$

$$= (5/4)^2 - 1 \Rightarrow 25/16 - 1 \Rightarrow (25-16)/16$$

$$\cot^2 \theta = 9/16; \cot \theta = 3/4$$

Section – C

04X06 = 24 Marks

15. a)

Height = $h = 20$ cm

Radius of the base = $r = 7$ cm

(i) Volume of a cylinder = $\pi r^2 h$

$$= \frac{22}{7} \times 7 \times 7 \times 20 \text{ cm}^3$$

$$= 3080 \text{ cm}^3$$

(ii) Total surface area of a cylinder = $2\pi r(h + r)$

$$= 2 \times \frac{22}{7} \times 7(20 + 7) \text{ cm}^2$$

$$= 2 \times 22 \times 27 \text{ cm}^2$$

$$= 1188 \text{ cm}^2$$

b)

Ratio between height and radius of a cylinder = 3:1

$$\text{Volume} = 1029\pi \text{ cm}^3 \dots\dots(i)$$

 Let radius of the base = r

 then height = $3r$

$$\therefore \text{Volume} = \pi r^2 h = \pi \times r^2 \times 3r = 3\pi r^3 \dots\dots(ii)$$

from (i) and (ii)

$$3\pi r^3 = 1029\pi$$

$$r^3 = \frac{1029\pi}{3\pi} = 343$$

$$r = 7$$

 Therefore, radius = 7 cm and height = $3 \times 7 = 21$ cm

Now, total surface area =

$$2\pi r(h+r)$$

$$= 2 \times \frac{22}{7} \times 7 \times (21+7)$$

$$= 2 \times \frac{22}{7} \times 7 \times 28$$

$$= 1232 \text{ cm}^2$$

16. $\sin^2 \theta + \cos^2 \theta = 1$

$$\sin \theta = \sqrt{1 - \cos^2 \theta}$$

$$\operatorname{cosec} \theta = 1/\sqrt{1 - \cos^2 \theta}$$

$$\tan \theta = \frac{\sin \theta}{\cos \theta} = \frac{\sqrt{1 - \cos^2 \theta}}{\cos \theta}$$

$$\cot \theta = \frac{\cos \theta}{\sqrt{1 - \cos^2 \theta}}$$

$$\sec \theta = 1/\cos \theta$$

 b) If $\sqrt{3} \tan \theta = 1$, find the value of:

$$AB^2 + BC^2 = AC^2$$

$$AC^2 = 1^2 + \sqrt{3}^2$$

$$AC^2 = 4$$

$$AC = 2$$

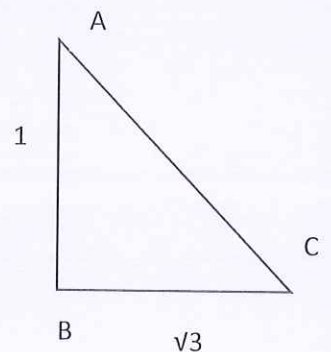
(i) $\sin^2 \theta + \cos^2 \theta$

$$\sin \theta = \frac{1}{2}$$

$$\cos \theta = \frac{\sqrt{3}}{2}$$

$$\sin^2 \theta + \cos^2 \theta = \frac{1}{4} + \frac{3}{4} = 1$$

(ii) $\sin^2 \theta \cos^2 \theta = \frac{1}{4} \times \frac{3}{4} = \frac{3}{16}$





17. Find the value of:

(i) $12 \text{ m } 17 \text{ cm} = \underline{1217} \text{ cm}$

(ii) $2 \text{ km } 156 \text{ m} = \underline{2156} \text{ m}$

(iii) $13 \text{ mm} = \underline{1.3} \text{ cm}$

(iv) $1256 \text{ hm} = \underline{125600} \text{ m}$

(v) $236 \text{ m} = \underline{0.236} \text{ km}$

18. Mean = $\frac{12+15+19+22+25+36+22+30}{8} = \frac{181}{8} = 22.625$

Median = $\frac{8}{2} \& \frac{8}{2}+1 = \frac{22+22}{2}$, mode = 22



BHARTIYA SKILL DEVELOPMENT UNIVERSITY

School of General Education

Session: 2020-21 (Summer Semester)

B. Voc. Program, 3rd Semester,

End-Sem. Examination

Course Code: GEN 1301

Set A

Time: 2 Hours

Course Name: Spoken English

Max. Marks: 50

Instruction: The question paper comprises three sections A, B & C. Marks allotted are mentioned against each section.

Section – A

10X01 = 10 Marks

Q1. In the short story, *A Snake in the Grass*, there are members in the family?.

- | | |
|-------|-------|
| (a) 4 | (c) 6 |
| (b) 5 | (d) 8 |

Q2. Fill in the blank with the correct option.

----- I sit down, Sir?

- | | |
|-----------|-----------|
| (a) Could | (c) May |
| (b) Can | (d) Might |

Q3. Complete the sentence with the right word as given in the poem:

No time to turn at Beauty's glance,
And watch her feet, how they can -----

- | | |
|-----------|-----------|
| (a) Walk | (c) Stand |
| (b) Dance | (d) Jump |

Q4. Fill in the blank with the words from the poem 'Virtue'.

The dew shall weep thy----- tonight,
For thou must die.

- | | |
|----------|------------|
| (a) Fall | (c) Move |
| (b) Loss | (d) Change |

Q5. Choose the correct answer for the indirect speech of the given sentence:

I said, "Ganpat was playing Chess"

- | |
|--|
| (a) I said that Ganpat had been playing Chess. |
| (b) I said that Ganpat had played Chess. |
| (c) I say that Ganpat played chess. |
| (d) I said that Ganpat plays Chess. |

Q6. Change the following sentence from active to passive voice.

We do not allow cameras.

Q7. In the short story *A Snake in the Grass*, the term *Siesta s* means:

- | | |
|--------------------|-----------------|
| (a) a long holiday | (c) a hot day |
| (b) a working day | (d) a short nap |

Q8. The term ----- refers to study of speech sounds?

- | | |
|---------------|---------------|
| (a) Phonetics | (c) Phonology |
| (b) Semiotics | (d) Semantics |

Q9. Fill in the blank with the opposite of the given word: *Extrovert*

- | | |
|---------------|------------|
| (a) Introvert | (c) Strict |
| (b) Insincere | (d) Covert |

Q10. Fill in the blank with the correct option:

Diwali is celebrated in India, it? (is/ isn't)

Section – B

04X04 = 16 Marks

Q11. Explain the lines with reference to the context:

" I have been asking for a grass-cutter for months,"

Q12. Make sentences with the following words:

(a) Active

(c) Weak

(b) Jovial

(d) Forgiving

Q13. Write a short summary of the poem 'Virtue'.

Q14. Do as directed:

A. Convert the following sentences into passive voice:

(a) The player hit the ball hard

(b) You must help me

B. Convert the following sentences into indirect speech

(c) She said, "It is a very hot day."

(d) The mother said to her child, "Dinner is ready."

Section – C

04X06 = 24 Marks

Q15. Draft a conversation in about 10-15 sentences between yourself and your father

in a situation where you are making an apology for going on a night- out with your friends without his permission.

Q16. Write a paragraph on the given topic:

My life during Lockdown due to COVID-19

Q17. Explain in your own words the short story *A Snake in the Grass*.

Q18. Read the following passage and answer the questions given below:

Sachin Ramesh Tendulkar is India's and probably world's most admired and celebrated cricketer. He has an enable fan following as large as that of rock stars or great movie stars. He truly is wonder boy of India.

Born on April 24, 1973, Sachin Tendulkar burst on the international cricket scene with his debut in a series in Pakistan, when he was merely a boy of 16 years. Before being selected for the national scene he had displayed his talent in domestic cricket at state and junior levels. In the very debut series, he made people take note of him.

Then, followed his long cricketing career, in which he crossed one milestone after another and piled up runs, half centuries and centuries to become the highest centurion and the most run getter. For the sports lovers, he became semi-god, for youth an icon and for sponsors a virtual money spinner. The success never went to his head. He continued to be soft spoken, affable Sachin, a familiar face to all Indians. In the later years of the cricketing life, Sachin several times was waylaid by injuries. But every time he came back in style after treatment and rehabilitation to the delight of his fans.

He has won so many national and international awards. He captained the Indian team for some time but it affected his batting. So, he was allowed to continue on as a batsman. He also bowls with good effect when the situation demands. Sachin is a star in both versions of the game — Tests and ODIs, who serves the team as batsman and bowler. In the gloomy scene of sports in India, Sachin shines as a brilliant star to provide a huge consolation. (285 words)

(a) At what age did Sachin Tendulkar enter the international Cricket? (1)

(b) Sachin is the most admired and adulated cricketer of (1)

(c) What did he become for the Sponsors? (1)

(d) Make a precis of the passage given above. (3)

SN



BHARTIYA SKILL DEVELOPMENT UNIVERSITY

A

School of General Education

Session: 2020-21 (Summer Semester)

B. Voc. Program, 3rd Semester,

End-Sem. Examination

Course Code: GEN 1301

Time: 2 Hours

Course Name: Spoken English

Max. Marks: 50

Instruction: The question paper comprises three sections A, B & C. Marks allotted are mentioned against each section.

Section – A

10X01 = 10 Marks

Q1. In the short story, A Snake in the Grass, there are members in the family?.

- | | |
|-------|-------|
| (a) 4 | (c) 6 |
| (b) 5 | (d) 8 |

Q2. Fill in the blank with the correct option.

----- I sit down, Sir?

- | | |
|-----------|-----------|
| (a) Could | (c) May |
| (b) Can | (d) Might |

Q3. Complete the sentence with the right word as given in the poem:

No time to turn at Beauty's glance,
And watch her feet, how they can -----

- | | |
|------------------|-----------|
| (a) Walk | (c) Stand |
| (b) Dance | (d) Jump |

Q4. Fill in the blank with the words from the poem 'Virtue'.

The dew shall weep thy----- tonight,
For thou must die.

- | | |
|-----------------|------------|
| (a) Fall | (c) Move |
| (b) Loss | (d) Change |

Q5. Choose the correct answer for the indirect speech of the given sentence:

I said, "Ganpat was playing Chess"

- (a) **I said that Ganpat had been playing Chess.**
 (b) I said that Ganpat had played Chess.
 (c) I say that Ganpat played chess.
 (d) I said that Ganpat plays Chess.

Q6. Change the following sentence from active to passive voice.

We do not allow cameras.

Cameras are not allowed.

Q7. In the short story *A Snake in the Grass*, the term *Siesta s* means:

- | | |
|--------------------|------------------------|
| (a) a long holiday | (c) a hot day |
| (b) a working day | (d) a short nap |

Q8. The term ----- refers to study of speech sounds?

- | | |
|----------------------|---------------|
| (a) Phonetics | (c) Phonology |
| (b) Semiotics | (d) Semantics |

Q9. Fill in the blank with the opposite of the given word: *Extrovert*



BHARTIYA SKILL DEVELOPMENT UNIVERSITY

(a) Introvert

(c) Strict

(b) Insincere

(d) Covert

Q10. Fill in the blank with the correct option:

Diwali is celebrated in India, it? (is/ isn't)

Section – B

04X04 = 16 Marks

Q11. Explain the lines with reference to the context:

" I have been asking for a grass-cutter for months,"

These lines are taken from the short story titled A Snake in the Grass written by R. K Narayan. A snake enters the lawns of a family residing in a bungalow o a hot afternoon. The family gets panic stricken and gets geared to locate the snake which probably had hidden in the foliage of the un catered garden. These lines are spoken by Dasa, the servant of a family who when accused by neighbors of not keeping the lawns clean speaks these words in his defense.

Q12. Make sentences with the following words:

(a) Active

(c) Weak

(b) Jovial

(d) Forgiving

Q13. Write a short summary of the poem 'Virtue'.

Virtue (The Temple) is an educational poem. It teaches us that virtue is supreme and super lasting. In this world of impermanence, beautiful thing and beauty itself are subject to decay but a truly virtuous soul remains unchanged through all eternally. In Virtue Herbert speaks of the permanence of a virtuous soul. All the beautiful things of the world including a sweet day a sweet rose and the sweet spring will get decayed but a virtuous soul remains unchanged. To assert his points Herbert uses three images in this poem. First he speaks of a sweet day which must come to an end and be swallowed up by dark night. Secondly he refers to a sweet rose which in spite of its sweet colour and fragrance is destined to wither. Thirdly he speaks of a spring which, with its music and colour is damaged to sink into extinction. However, the last quatrain presents images of an eternal soul. Through a metaphoric explanation the poet says that a seasoned timber cannot be burnt and changed into coal and therefore it never surrenders to corrosion. Similarly, the virtuous soul remains unchanged in spite of the passing of time. The phrase 'turn to coal' means totally destroyed. It implies that the whole World will be destructed with the passing of time. By 'chiefly lives' the poet means that the soul will remain alive when the world will remain no more

Q14. Do as directed:

A. Convert the following sentences into passive voice:

(a) The player hit the ball hard

The ball was hit hard by the player

(b) You must help me

I must be helped by you

B. Convert the following sentences into indirect speech

(c) She said, "It is a very hot day."

She said that it was a very hot day

(d) The mother said to her child, "Dinner is ready."

The mother told the child that dinner was ready.

Q15. Draft a conversation in about 10-15 sentences between yourself and your father in a situation where you are making an apology for going on a night- out with your friends without his permission.

Conversation to include the reason for apology and phrases used for apologizing such as I am sorry, I admit my mistake, It was done by mistake, I shall not repeat, etc with expressions from father expressing the acceptance of apology in phrases such as , This is the last time, never repeat it, etc.

Q16. Write a paragraph on the given topic:

My life during Lockdown due to COVID-19

The paragraph may include personal experiences which may highlight the pros and cons at personal, professional levels faced by people and its impact on the global economy.

Q17. Explain in your own words the short story *A Snake in the Grass*.

Elaborate on the family and members, snake entering, conversation with Dasa and neighbors, panic striking situation Dasa's act of catching the snake and appearing of another snake in the compound.

Q18. Read the following passage and answer the questions given below:

Sachin Ramesh Tendulkar is India's and probably world's most admired and celebrated cricketer. He has an enable fan following as large as that of rock stars or great movie stars. He truly is wonder boy of India.

Born on April 24, 1973, Sachin Tendulkar burst on the international cricket scene with his debut in a series in Pakistan, when he was merely a boy of 16 years. Before being selected for the national scene he had displayed his talent in domestic cricket at state and junior levels. In the very debut series, he made people take note of him.

Then, followed his long cricketing career, in which he crossed one milestone after another and piled up runs, half centuries and centuries to become the highest centurion and the most run getter. For the sports lovers, he became semi-god, for youth an icon and for sponsors a virtual money spinner. The success never went to his head. He continued to be soft spoken, affable Sachin, a familiar face to all Indians. In the later years of the cricketing life, Sachin several times was waylaid by injuries. But every time he came back in style after treatment and rehabilitation to the delight of his fans.

He has won so many national and international awards. He captained the Indian team for some time but it affected his batting. So, he was allowed to continue on as a batsman. He also bowls with good effect when the situation demands. Sachin is a star in both versions of the game — Tests and ODIs, who serves the team as batsman and bowler. In the gloomy scene of sports in India, Sachin shines as a brilliant star to provide a huge consolation. (285 words)

- (a) At what age did Sachin Tendulkar enter the international Cricket? (1)
16
- (b) Sachin is the most admired and adulated cricketer
of the world (1)

- (c) What did he become for the Sponsors?
a virtual money spinner (1)
- (d) Make a precis of the passage given above.

Sachin Ramesh Tendulkar

Sachin Ramesh Tendulkar is the world's most admired and celebrated cricketer. He was born on April 24, 1973, Sachin Tendulkar and played in international cricket scene with his debut in a series in Pakistan, when he was 16 years. In his long cricketing career, he piled up runs, half centuries and centuries to become the highest centurion and the most run getter. He has won so many national and international awards. He captained the Indian team for some. Sachin is a star in both Tests and ODIs, (90 words) (3)



BHARTIYA SKILL DEVELOPMENT UNIVERSITY

School of General Education

Session: 2020-21 (Summer Semester)

B. Voc. Program, 3rd Semester,

End-Sem. Examination

Course Code: GEN 1301

Set-B

Time: 2 Hours

Course Name: Spoken English

Max. Marks: 50

Instruction: The question paper comprises three sections A, B & C. Marks allotted are mentioned against each section.

Section – A

10X01 = 10 Marks

Q1. The short story titled *A Snake in the Grass* is written by -----.

- | | |
|-------------------|-------------------------|
| (a) W.H. Davies | (c) Charles Lamb |
| (b) R. K. Narayan | (d) Rabindranath Tagore |

Q2. Which among the given words has the speech sound- / a: /

- | | |
|----------|------------|
| (a) mat | (c) toil |
| (b) fast | (d) fought |

Q3. Fill in the blank with the correct option.

You ----- work hard or you may fail.

- | | |
|------------|-----------|
| (a) had to | (c) could |
| (b) should | (d) might |

Q4. Complete the sentence with the right word as given in the poem:

My shows ye have your closes, And all must die

- | | |
|--------------|-----------|
| (a) Chief | (c) Music |
| (b) Virtuous | (d) Live |

Q5. The poem *Leisure* was written by _____:

- | | |
|--------------------|------------------|
| (a) W. H. Davis | (c) R.K. Narayan |
| (b) George Herbert | (d) Robert Frost |

Q6. Choose the correct answer for the indirect speech of the given sentence:

She said to me, "My father is coming".

- | |
|---|
| (a) She said that my father had come. |
| (b) She said to me that her father had been coming. |
| (c) She told me that her father was coming. |
| (d) She said to me that my father was coming. |

Q6. Change the following sentence from active to passive voice.

Someone has stolen my purse.

Q7. The term *Siesta* in the short story *A Snake in the Grass* means:

- | | |
|--------------------|-------------------|
| (a) a short nap | (c) a working day |
| (b) a long holiday | (d) a hot day |

Q8. Which of these terms refers to study of speech sounds?

- | | |
|----------------|---------------|
| (a) Phonology | (c) Phonetics |
| (b) Substances | (d) Semantics |

Q9. Fill in the blank with the opposite of the given word: *Secretive*

- | | |
|------------|--------------|
| (a) Polite | (c) Strict |
| (b) Frank | (d) Reserved |

Q10. Fill in the blank with the correct option:

We should work hard,we? (shouldn't / should)

Section – B

04X04 = 16 Marks

Q11. Explain the lines with reference to the context:

I read in an American paper that 30,000 people die of snake-bite every year.

Q12. Make sentences with the following words:

- | | |
|--------------|-----------|
| (a) Pleasant | (c) Harsh |
| (b) Happy | (d) Lazy |

Q13. Write a short summary of the poem 'Virtue'.

Q14. Do as directed:

A. Convert the following sentences into reported speech:

- (a) The captain said, "My team is very strong."
- (b) He said, "India may win the match."

B. Change the sentences from active voice to passive voice

- (c) They will help you in your work.
- (d) She wrote an interesting book.

Section – C

04X06 = 24 Marks

Q15. Draft a conversation in about 10-15 sentences between yourself and three of your friends in a situation where you are planning to go for a road trip to Jaisalmer and everyone is asked to give their opinion in the discussion.

Q16. Write a paragraph on the given topic:

Lockdown due to COVID-19: Resting time or Testing time

Q17. Write the summary of the short story *A Snake in the Grass*.

Q18. Read the following passage and answer the questions given below:

In the year of 1945 United Nations Organization came into being as the successor of League of Nations. It began with fifty nations as its members but now it has 185 member nations accounting for almost all the countries of entire earth except Switzerland. The nations are the members of the UN General Assembly, the world body's chief deliberate organ. All the other wings are answerable to it through annual and special periodical reports submitted for its consideration. The General Assembly, discusses the reports and gives its approvals, elects General Secretary and the judges of the International court of Justice, admits new members to the Assembly, and also elects the non-permanent members of various councils. There are Economic and Social Council, The Trusteeship council besides the International Court, General Assembly and the Security Council. The General Secretary is the Chief Administrative Office of the world body who heads the UN Secretariat. He presides over the General Assembly meetings and those of other organs of U.N.

In addition to the above main organs, the UNO has several other specialized agencies like ILO (International Labour Organization), UNESCO (United Nations Educational, Scientific and Cultural Organization), UNCTAD (United Nations Council for Trade and Development), WHO (World Health Organization), etc. These agencies help the parent body in working out agreements on various- related matters to them and in achieving different objectives and goals. WHO, for example, plans step to achieve the highest possible level of good health of the entire human population of the earth.

- (a) The General Secretary and the judges of the International Court of Justice.....
by the General Assembly. (1)
- (b) Which country is not the members of the UNO (1)
- (c) What does UNESCO stand for? (1)
- (d) Make a precis of the passage given above. (3)

8/11



BHARTIYA SKILL DEVELOPMENT UNIVERSITY

School of General Education

Session: 2020-21 (Summer Semester)

B. Voc. Program, 3rd Semester,

End-Sem. Examination

Course Code: GEN 1301

Course Name: Spoken English

Time: 2 Hours

Max. Marks: 50

Instruction: The question paper comprises three sections A, B & C. Marks allotted are mentioned against each section.

Section – A

10X01 = 10 Marks

Q1. The short story titled *A Snake in the Grass* is written by -----.

- | | |
|--------------------------|-------------------------|
| (a) W.H. Davies | (c) Charles Lamb |
| (b) R. K. Narayan | (d) Rabindranath Tagore |

Q2. Which among the given words has the speech sound- / a: /

- (a) mat
- (b) **fast**
- (c) toil
- (d) fought

Q3. Fill in the blank with the correct option.

You ----- work hard or you may fail.

- | | |
|-------------------|-----------|
| (a) had to | (c) could |
| (b) should | (d) might |

Q4. Complete the sentence with the right word as given in the poem:

*My shows ye have your closes,
And all must die*

- | | |
|--------------|------------------|
| (a) Chief | (c) Music |
| (b) Virtuous | (d) Live |

Q5. The poem *Leisure* was written by _____:

- | | |
|------------------------|------------------|
| (a) W. H. Davis | (c) R.K. Narayan |
| (b) George Herbert | (d) Robert Frost |

Q6. Choose the correct answer for the indirect speech of the given sentence:

She said to me, "My father is coming".

- (a) She said that my father had come.
- (b) She said to me that her father had been coming.
- (c) **She told me that her father was coming.**
- (d) She said to me that my father was coming.

Q6. Change the following sentence from active to passive voice.

Someone has stolen my purse.

My purse has been stolen.

Q7. The term *Siesta* in the short story *A Snake in the Grass* means:

- | | |
|------------------------|-------------------|
| (a) a short nap | (c) a working day |
| (b) a long holiday | (d) a hot day |



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- Q8. Which of these terms refers to study of speech sounds?
- | | |
|----------------|---------------|
| (a) Phonology | (c) Phonetics |
| (b) Substances | (d) Semantics |
- Q9. Fill in the blank with the opposite of the given word: *Secretive*
- | | |
|------------|--------------|
| (a) Polite | (c) Strict |
| (b) Frank | (d) Reserved |
- Q10. Fill in the blank with the correct option:
We should work hard,we? (shouldn't / should)

Section – B

04X04 = 16 Marks

- Q11. Explain the lines with reference to the context:

I read in an American paper that 30,000 people die of snake-bite every year.

These lines are taken from the short story titled *A Snake in the Grass* by R. K. Narayan. One of the sons in the family speaks these words in the context when the family members and neighbours get terrified due to a snake entering the boundary of their bungalow in the story.

- Q12. Make sentences with the following words:

- | | |
|--------------|-----------|
| (a) Pleasant | (c) Harsh |
| (b) Happy | (d) Lazy |

- Q13. Write a short summary of the poem 'Virtue'.

Virtue (The Temple) is an educational poem. It teaches us that virtue is supreme and super lasting. In this world of impermanence, beautiful thing and beauty itself are subject to decay but a truly virtuous soul remains unchanged through all eternally. In Virtue Herbert speaks of the permanence of a virtuous soul. All the beautiful things of the world including a sweet day a sweet rose and the sweet spring will get decayed but a virtuous soul remains unchanged. To assert his points Herbert uses three images in this poem. First he speaks of a sweet day which must come to an end and be swallowed up by dark night. Secondly he refers to a sweet rose which in spite of its sweet colour and fragrance is destined to wither. Thirdly he speaks of a spring which, with its music and colour is damaged to sink into extinction. However, the last quatrain presents images of an eternal soul. Through a metaphoric explanation the poet says that a seasoned timber cannot be burnt and changed into coal and therefore it never surrenders to corrosion. Similarly, the virtuous soul remains unchanged in spite of the passing of time. The phrase 'turn to coal' means totally destroyed. It implies that the whole World will be destructed with the passing of time. By 'chiefly lives' the poet means that the soul will remain alive when the world will remain no more

- Q14. Do as directed:

A. Convert the following sentences into reported speech:

- (a) The captain said, "My team is very strong."
The captain said that his team was very strong.
- (b) He said, "India may win the match."
He said that India might win the match.

B. Change the sentences from active voice to passive voice

- (c) They will help you in your work.
You will be helped by them in your work.
- (d) She wrote an interesting book.
An interesting book was written by her.

Section – C

04X06 = 24 Marks

Q15. Draft a conversation in about 10-15 sentences between yourself and three of your friends in a situation where you are planning to go for a road trip to Jaisalmer and everyone is asked to give their opinion in the discussion.

The conversation between friends should include phrases on giving opinion such as in my opinion, according to me, what I really think is, it seems to be a good idea, I don't think it will be correct, should you mind changing the decision etc.

Q16. Write a paragraph on the given topic:

Lockdown due to COVID-19: Resting time or Testing time

The paragraph may highlight the crisis faced at personal , family, country and world levels and also the advantages of lockdown.

Q17. Write the summary of the short story *A Snake in the Grass*.

Summary

“A snake in the grass” is a story written by R.K. Narayan. One day a cyclist told a family living in a big house that a snake had entered their garden. Everyone in the family was very frightened. They were angry with their old servant, Dasa. They told him that he had not cleaned the garden. They searched the garden but could not find the snake. One beggar woman came and said that the snake was a blessing from God. Then, a snake charmer came, but he said that he could not see any snake. At that moment, Dasa came with a pot and said that he had caught the snake and put it in the pot. Everyone was happy. Suddenly they saw a snake come out of a hole in the wall. They were all shocked. They did not know if Dasa had caught the snake or if there were two snakes.

Q18. Read the following passage and answer the questions given below:

In the year of 1945 United Nations Organization came into being as the successor of League of Nations. It began with fifty nations as its members but now it has 185 member nations accounting for almost all the countries of entire earth except Switzerland. The nations are the members of the UN General Assembly, the world body's chief deliberate organ. All the other wings are answerable to it through annual and special periodical reports submitted for its consideration. The General Assembly, discusses the reports and gives its approvals, elects General Secretary and the judges of the International court of Justice, admits new members to the Assembly, and also elects the non-permanent members of various councils. There are Economic and Social Council, The Trusteeship council besides the International Court, General Assembly and the Security Council. The General Secretary is the Chief Administrative Office

of the world body who heads the UN Secretariat. He presides over the General Assembly meetings and those of other organs of U.N.

In addition to the above main organs, the UNO has several other specialized agencies like ILO (International Labour Organization), UNESCO (United Nations Educational, Scientific and Cultural Organization), UNCTAD (United Nations Council for Trade and Development), WHO (World Health Organization), etc. These agencies help the parent body in working out agreements on various- related matters to them and in achieving different objectives and goals. WHO, for example, plans step to achieve the highest possible level of good health of the entire human population of the earth. (250 words)

- (a) The General Secretary and the judges of the International Court of Justice **are elected** by the General Assembly. (1)
- (b) Which country is not the members of the UNO
Switzerland. (1)
- (c) What does UNESCO stand for? (1)
United Nations Economic Scientific and Cultural Organisation.
- (d) Make a precis of the passage given above. (3)

In 1945, the League of Nations was succeeded by the United Nations Organization It has 185 member nations except Switzerland. The General Assembly, discusses the reports and gives its approvals, elects General Secretary and the judges of the International court of Justice, admits new members to the Assembly, The General Secretary presides over the General Assembly meetings and those of other agencies like ILO, UNESCO, UNCTAD, WHO etc. which aid the UNO in achieving its objectives and goals. (78 words)

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