

**First Semester B.C.A. Degree Examination,
November/December 2019**

(CBCS – Freshers and Repeaters – 2018-19 and Onwards)

ಕನ್ನಡ ಭಾಷೆ

Paper I – ಕನ್ನಡ ಭಾಷಾ ಪಠ್ಯ

Time : 3 Hours]

[Max. Marks : 70

- I. (ಅ) ಈ ಪದ್ಯದ ಭಾವಾರ್ಥ ಬರೆಯಿರಿ : (1 × 6 = 6)**
- ಕಾವ ಬೆಸಂ ನಿನ್ನದು ಸಕ
ಲಾವನಿಯನಧರ್ಮ ನಿರತರಂ ನಿಯಮಿಸಿ ನೀ
ನೀ ವಿಷಯಕ್ಕೆ ಳ್ಗುವುದುಂ
ಕಾವರೆ ಕಣೆಗೊಂಡರೆಂಬ ನುಡಿಗಡೆಯಕ್ಕುಂ
- (ಆ) ಎರಡು ವಿಷಯಗಳಿಗೆ ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ : (2 × 2 = 4)**
1. ಚಂಪೂ
 2. ವಚನ
 3. ದ.ರಾ. ಬೇಂದ್ರೆ
 4. ಗಂಗಾಧರ ಚಿತ್ತಾಲ
- (ಇ) ಒಂದು ಪ್ರಶ್ನೆಗೆ ವಿವರವಾಗಿ ಉತ್ತರಿಸಿ : (1 × 10 = 10)**
1. ಮಹಾದೇವಿಯು ಚೆನ್ನಮಲ್ಲಿಕಾರ್ಜುನನನ್ನು ಆತ್ಮ ಸಂಗಾತನನ್ನಾಗಿ ಭಾವಿಸಿದ ಬಗೆಯನ್ನು ವಿವರಿಸಿ.
 2. 'ಸಂಪರ್ಕ' - ಕವನದ ವೈಶಿಷ್ಟ್ಯವನ್ನು ವಿವರಿಸಿ.
- II. (ಅ) ಎರಡನ್ನು ಕುರಿತು ಸಂಕ್ಷಿಪ್ತವಾಗಿ ಉತ್ತರಿಸಿ : (2 × 5 = 10)**
1. ಮನೆಗೆ ಹಾವುಗಳು ಬಾರದಂತೆ ಲೇಖಕರು ಕೈಗೊಂಡ ಮುನ್ನೆಚ್ಚರಿಕೆ.
 2. ಸೃಶಾನದ ಪರಿಸರ
 3. ಕಮಲ ತನ್ನ ಊರಿನ ಬಗ್ಗೆ ಲೇಖಕಿಗೆ ಹೇಳಿದ ವಿಚಾರಗಳು
- (ಆ) ಒಂದು ಪ್ರಶ್ನೆಗೆ ವಿವರವಾಗಿ ಉತ್ತರಿಸಿ : (1 × 10 = 10)**
1. ನಾಯಿ ಪ್ರಸಂಗವನ್ನು ಕುರಿತು ಬರೆಯಿರಿ.
 2. ಬಾಲ ಕಾರ್ಮಿಕರ ಸಮಸ್ಯೆಗಳು ಹಾಗೂ ಪರಿಹಾರಗಳನ್ನು ವಿವರಿಸಿ.

III. (ಅ) ಒಂದನ್ನು ಕುರಿತು ಸಂಕ್ಷಿಪ್ತವಾಗಿ ಉತ್ತರಿಸಿ :

(1 × 5 = 5)

1. ಗರುಡಾಳ ಪಕ್ಷಿಗಳು ಮೇವನ್ನು ತಿನ್ನದಿರಲು ಕಾರಣ.
2. ಜನಪದ ಕಲೆ ಮತ್ತು ಆಧುನಿಕ ತಂತ್ರಜ್ಞಾನಗಳಿಗಿರುವ ವ್ಯತ್ಯಾಸಗಳು.

(ಆ) ಒಂದು ಪ್ರಶ್ನೆಗೆ ವಿವರವಾಗಿ ಉತ್ತರಿಸಿ :

(1 × 10 = 10)

1. ಜಿಪುಣ 'ಕೊಣವೇಗೌಡ'ನಿಗೆ ಕೊಡಗಿನ ಮಾರಿ ಹೇಗೆ ಬುದ್ದಿ ಕಲಿಸಿದಳು?
2. ಜಾನಪದ ಕಲೆಗಳು ಹಾಗೂ ಸಾಹಿತ್ಯವನ್ನು ಸಂಗ್ರಹಿಸುವ ವಿಧಾನಗಳನ್ನು ವಿವರಿಸಿ.

IV. (ಅ) ಒಂದನ್ನು ಕುರಿತು ಸಂಕ್ಷಿಪ್ತವಾಗಿ ಉತ್ತರಿಸಿ :

(1 × 5 = 5)

1. ಲೇಖಕರು ಬಸ್ಸಿನಲ್ಲಿ ಕಂಡ ಚಿತ್ರಣ
2. ಮರಗಳ ಡಾಕ್ಟರ್

(ಆ) ಒಂದು ಪ್ರಶ್ನೆಗೆ ವಿವರವಾಗಿ ಉತ್ತರಿಸಿ :

(1 × 10 = 10)

1. ಕೋಟಿ ಮಿದುಳುಗಳ ಬೆಸೆಯುವ ಕೆಲಸ ಹೇಗೆ ಸಾಧ್ಯ? ಚರ್ಚಿಸಿ
2. ಜಾತಿ ನಿಂದನೆ, ಸುಳ್ಳು ಪ್ರಸಾರ, ಭಿನ್ನಮತೀಯತೆ ಮೊದಲಾದ ವಿಷಯಗಳಲ್ಲಿ ಮಾಧ್ಯಮಗಳ ಪಾತ್ರವನ್ನು ವಿಶ್ಲೇಷಿಸಿ.

65103

**First Semester B.C.A. Degree Examination,
November/December 2019**

(CBCS)

Hindi Language

Paper I – GADYA, JEEVANI, SHABDAVALI ANUVAD

Time : 3 Hours]

[Max. Marks : 70

I. निम्नलिखित प्रश्नों के उत्तर एक शब्द या वाक्य में लिखिए। (10 × 1 = 10)

1. रामू की बहू ने खीर से भरा कटोर कहाँ रखा?
2. प्रकृति तक को अपनी बातों में कौन घरेलू बना देते हैं?
3. गाँव किसकी नदौलत शहर बन जाएगा?
4. किसे पहनाने की माला एक थाल में सजा कर रखी थी?
5. पहाड़ी पर कौन-कौन गए?
6. “काले कौए : गोरे हंश” एकांकी के लेखक का नाम क्या है?
7. मुरली की पत्नी का नाम क्या था?
8. हमारे पर्यावरण में हमेशा क्या मौजूद हैं?
9. अनेक प्रदूषकों को हम अपने पेट में कैसे ले जाते हैं?
10. मनुष्य अपने कर्तव्यों की इतिश्री कैसे कर लेता है?

II. किन्हीं दो की संदर्भ सहित व्याख्या कीजिए। (2 × 7 = 14)

1. सारे जानवर हमारी धयल कीर्ती का गुणगान करने नहीं थकते थे।
2. वह तो एक निराली बात है। साहब हवा में बात तो करता ही नहीं।
3. परले सिरे के ढोंगी हैं। धर्म-अधर्म का ज़रा भी ख्याल नहीं।

III. "सयानी बुआ" का चरित्र-चित्रण कीजिए।

(1 × 16 = 16)

(अथवा)

"प्रायश्चित" कहानी का सारांश लिखकर उसकी विशेषताओं पर प्रकाश डालिए।

IV. किसी दो पर टिप्पणी लिखिए।

(2 × 5 = 10)

1. रामू की बहू
2. रसायन और हमारा पर्यावरण
3. रमज़ान

V. किसी एक महापुरुष की जीवनी लिखिए।

(1 × 10 = 10)

1. जे.आर.डी. टाटा
2. डॉ.होमी जहाँगीर भाभा

VI. हिन्दी में अनुवाद कीजिए।

(10 × 1 = 10)

1. Attitude
2. Back Ground Exposure
3. Constant
4. Compatibility
5. Diagonal
6. Factor
7. Micro Circuit
8. Incoming
9. Jerk
10. Velocity

**First Semester B.Sc./B.C.A./F.A.D. Degree Examination,
November/December 2019**

(CBCS Scheme – Freshers & Repeaters – 2018-19 and Onwards)

General English

Paper I – LANGUAGE ENGLISH - I

Time : 3 Hours]

[Max. Marks : 70

Instructions to Candidates :

- 1) Answer ALL the questions.
- 2) Write the correct question numbers.

SECTION – A

(COURSE BOOK – 40 marks)

- I. Answer any FIVE of the following in 2 or 3 sentences : (5 × 2 = 10)**
1. Where did the writer pick the plaintain leaves in 'I Shall Go Back in the New Year'?
 2. What was the condition of the knapsack carried by the father to the warfield in the 'Sonnet'?
 3. In the lesson 'The Wolf' the author lacks
 - (a) happiness
 - (b) freedom
 - (c) vision
 - (d) ambition.
 4. What promise does the mother take from Aloo?
 5. In the lesson 'Real Food' the narrator's family usually had _____ for lunch.
 6. Which was the most widely read newspaper in Rameshwaram?
 7. According to Roy, the number of deceived women would be found ten times greater than that of betrayed men. True/False?
 8. Where did jobs apply his knowledge of calligraphy?

II. Answer any **FOUR** of the following in about a page each : (4 × 5 = 20)

1. People always have to look forward, but in the poem 'I Shall Go Back in the New Year' why do you think the poet wants to look back?
2. How does the author eventually gain his freedom in the story "The Wolf"?
3. How does the mother ensure that Aloo leaves for further studies with a happy frame of mind?
4. Why does the narrator say that garri is important for her people in "Real Food"?
5. How did Sivasubramania Iyer show his rebellious side being an orthodox Brahmin?
6. Women are treated worse than inferior animals. Elaborate with reference to Raja Ram Mohan Roy's "Relations between Men and Women".
7. Explain Job's concept of death.

III. Answer any **ONE** of the following in about 2 pages : (1 × 10 = 10)

1. Comment on the different perspectives on wars shared by the father and son.
2. How does Roy establish women to be an embodiment of all virtues? Discuss.
3. Being comfortable is not being happy. The author and the man on the other tree though comfortably placed are not happy. Explain.

SECTION - B

(GRAMMAR AND COMMUNICATION COMPONENT - 30 Marks)

IV. Fill in the blanks choosing appropriate word given in the brackets : (5)

We had been on a trip to Mysore _____ (recent/recently). When we went to the zoo, the zoo keeper asked us to be _____ (careful/carefully) about the monkeys. The children _____ (happy/happily) wandered off to the place where the snakes were kept. By afternoon, we were all _____ (tired/tiredness). So we went to a park and took rest for some time ; but the children seemed to be _____ (restless/restlessness) after a while.

- V. 1. Combine the sentences using any **ONE** of the following : (1)
(who, what, that or which)
The boy lost the book. I gave him yesterday.
2. Fill in the blanks using the correct form of the verb : (1)
"War and Peace" _____ (is/are) a great novel by Tolstoy.
3. Fill in the blank using the correct form of the word : (1)
He is a good _____ expert. (finance)
4. Correct the sentence : (1)
I ordered for coffee.
5. Fill in the blanks choosing the correct option : (1)
This ointment will _____ your wounds. (heal, heel)

VI. Read the following passage and answer the question :

George Bernard Shaw, one of the greatest playwrights of all times was born in Dublin on 26th July, 1856. As a young man, he was shy and to hide his shyness he developed a very gruff manner and voice which some people mistook as rudeness. However, his close friends understood him better as he was the very essence of kindness to those whom he loved and associated with.

At the early age of fourteen, he obtained employment as a junior clerk and though he was good at his work, he hated it. So he quit his job and went to London in search of other employment. Before long, a newspaper office hired him and he took up employment as critic of books, music and plays. Later he decided to write his own plays. The plays he wrote and produced were a tremendous success. Many film companies approached him to use plays for making movies, But he never liked the ideal. Finally, he consented to allow his play, 'Pygmalion' to be made into a film. This play depicts the story of a little flower girl, who was trained by an English Professor to speak proper English. In fact, the Professor succeeded in transforming her from an uneducated flower girl into a refined lady. Years later, this play was made into a musical hit – the legendary, 'My Fair Lady', and it became a worldwide success. The film 'My Fair Lady' is about how complicated English language is and the difficulties faced by Eliza, the flower girl to learn and master this language.

1. How did Bernard Shaw try to hide his shyness? (1)
2. How old was Bernard Shaw when he took up his first job? (1)
3. Where did Bernard Shaw go after quitting his job? (1)
4. Bernard Shaw's _____ was made into a film. (1)
5. Name the little flower girl who appear in the musical hit 'My Fair Lady'. (1)

VII. Write a paragraph using the topic sentence and the hints given : (5)

Topic sentence – Reading books is very important in one's life.

Hints – Book reading – a good habit – enhances knowledge – choose good books – they are our friends and guides – represent our culture – set high moral and standard before all.

VIII. Write a letter of complaint : (10)

You visited Coorg recently. Though you enjoyed your stay, you were horrified to see the environmental degradation due to tourism. Write a letter of complaint to the Ministry of Tourism, Government of Karnataka.

65105

**First Semester B.C.A./B.H.M. Degree Examinations,
November/December 2019**

(CBCS – Freshers – Repeaters)

Language Sanskrit

**Paper I – POETRY, GRAMMAR AND COMPOSITION
(MEGHADUTAM OF KALIDASA PURVAMEGHA)**

Time : 3 Hours]

[Max. Marks : 70

Instructions to Candidates :

- 1) Answer in Sanskrit/Kannada/English.
- 2) Questions I, V and VI should be answered in Sanskrit only.

I. समीचीनम् उत्तरं लिखत।

(10 × 1 = 10)

Select the correct answer :

ಸರಿಯಾದ ಉತ್ತರವನ್ನು ಆರಿಸಿ ಬರೆಯಿರಿ :

1. कालिदासस्य काव्यशैली का ?

(a) गौडीया

(b) लाटी

(c) वैदर्भी

(d) पाश्चाली

2. यक्षः केन ज्ञात ?

(a) कुबेरेण

(b) गन्धर्वेण

(c) किन्नरेण

(d) वरुणेन

3. मेघदूतं किं प्रकारकं काव्यम् ?

(a) महाकाव्यम्

(b) खण्डकाव्यम्

(c) गद्यकाव्यम्

(d) चम्पूकाव्यम्

4. कुबेरस्य सेवकः कः ?

(a) यक्ष

(b) यमः

(c) अग्निः

(d) वायुः

5. अवन्तीराजपुत्री का ?

(a) महाश्वेता

(b) वनिता

(c) वसुधा

(d) वासवदत्ता

6. शरवणभवः कः ?
 (a) स्कन्दः (b) विनायकः
 (c) इन्द्रः (d) वायुः
7. यक्षेश्वराणां वसतिः का ?
 (a) अलका (b) कुन्तला,
 (c) केरलः (d) उत्कलः
8. वत्सराजः कः ?
 (a) उदयनः (b) महासेनः
 (c) सुनयनः (d) मदनः
9. कालिदासः कस्मिन् अलंकार प्रयोगे प्रसिद्धः ?
 (a) रूपकं (b) उत्प्रेक्षा
 (c) उपमा (d) अतिशयोक्तिः
10. कस्याः सरितः पयः चेतः इव प्रसन्नम् ?
 (a) गङ्गायाः (b) सरस्वत्याः
 (c) गम्भीरायाः (d) नर्मदायाः

II. द्वयोः प्रश्नयोः उत्तर लिखत।

(2 × 10 = 20)

Answer any **TWO** of the following :

ಯಾವುದಾದರೂ ಎರಡು ಪ್ರಶ್ನೆಗಳಿಗೆ ಉತ್ತರವನ್ನು ಬರೆಯಿರಿ :

1. कालिदासस्य जीवन, देश, काल, कृती: अधिकृत्य प्रबन्ध लिखत।
 Write an essay on the life, date and works of Kalidasa.
 ಕಾಳಿದಾಸನ ಜೀವನ, ದೇಶ, ಕಾಲ ಕೃತಿಗಳನ್ನು ಆಧರಿಸಿ ಪ್ರಬಂಧ ಬರೆಯಿರಿ.
2. मेघदूते विद्यमानानां नदीनां वर्णनं कुरुत।
 Describe the rivers of meghadhuta.
 ಮೇಘದೂತ ಕಾವ್ಯದಲ್ಲಿ ಬರುವ ನದಿಗಳನ್ನು ವರ್ಣಿಸಿ.
3. मेघं प्रति यक्षेण कथितं मार्गं वर्णयत।
 Describe the route narrated by the Yaksha to the cloud.
 ಯಕ್ಷನು ಮೋಡಕ್ಕೆ ವಿವರಿಸಿದ ಮಾರ್ಗವನ್ನು ವರ್ಣಿಸಿ.

■ (अ) त्रयाणां श्लोकायोः अनुवादं कृत्वा भावं विवृणुत।

(3 × 4 = 12)

Translate and explain any **THREE** verses :

ಯಾವುದಾದರೂ ಮೂರು ಶ್ಲೋಕಗಳನ್ನು ಅನುವಾದಿಸಿ :

1. नीपं दृष्ट्वा हरितकपिशं केसरैरर्धरुदैः
आविर्भूत प्रथममुकुलाः कन्दलीश्चानुकच्छम्।
जग्धवारण्येष्वधिकसुरभिं गन्धमाध्राय चोर्व्याः
साहजस्ते जलजसुचः सूचयिष्यन्ति मार्गम्॥
2. जालोद्गीर्णैरुपचितवपुःकेशसंस्कारधूपैः
बन्धुप्रीत्या भवनशिखिभिर्दत्तनृत्यो पहाराः।
हर्म्पेष्वस्याः कुसुमसुरभिष्वध्वखेदं नयेयाः
लक्ष्मीं पश्यं ललितवनितापादरागाङ्गितेषु॥
3. मार्गं तावच्छृणु कथयतस्त्वत्प्रयाणानुरूपं
सन्देशं मे तदनु जलद श्रोष्यसि श्रोत्रपेयम्।
खिन्नः खिन्नः खिन्नरिषु पदं न्यस्य गन्तासि यत्र
क्षीणः क्षीणः परिलघु पयः स्रोतसां योषभुज्य॥
4. त्वय्यायतं कृषिफलमिति भूविकारानभिज्ञैः
प्रीतिस्निग्धैर्जनपदवधूलोचनैः पीयमानः।
सद्यः सीरोत्कषणसुरभि क्षेत्रमरुह्य मालं
किञ्चित् पश्चाद् व्रज लघुगतिर्भूय एवोत्तरेण॥
5. वक्रः पन्था यदिप-भवतः प्रस्थितस्योतराशां
सौधोत्सङ्गप्रणयविमुखो मा स्म भूरुज्जयिन्याः।
विद्युद्रामस्फुरितचकितैस्तत्र पौराङ्गनानां
इलापाङ्गैर्यदि न रमसे लोचनैवाश्रितोऽसि

IV. द्वयं सुसन्दर्भं विवृणुत।

(2 × 4 = 8)

Annotate any **TWO** of the following :

ಯಾವುದಾದರೂ ಎರಡು ವಾಕ್ಯಗಳನ್ನು ಸಂದರ್ಭ ಸಹಿತ ವಿವರಿಸಿ :

1. शेषैः पुण्यैः इतमिव दिवः क्रान्तिमत्खण्डमेकम्।
2. याश्चा मेधा वरमधिगुणे नाधमे लब्धकामा।
3. रिक्तः सर्वो भवति हि लघुः पूर्णता गौरवाय।
4. आमन्द्राणां फलमविकलं लप्स्यसे गर्जितानाम्।

V. संस्कृतभाषाया उत्तराणि लिखत ।

(5 × 1 = 5)

ಸಂಸ್ಕೃತ ಭಾಷೆಯಲ್ಲಿ ಉತ್ತರಿಸಿ :

Answer in Sanskrit :

(a) पञ्चानां लिङ्ग विभक्तिवचनानि लिखत।

- | | |
|-----------|-------------|
| 1. लोचनैः | 2. तासाम् |
| 3. गुरोः | 4. तोयम् |
| 5. अहम् | 6. अवन्तीम् |
| 7. विधिना | 8. पन्याः |

(b) पञ्चानां लकार पुरुषवचनानि लिखत।

(5 × 1 = 5)

- | | |
|--------------|----------|
| 1. पश्यामि | 2. अभवत् |
| 3. अस्ति | 4. करोतु |
| 5. अनुसरन्ति | 6. ब्रज |
| 7. पठामि | 8. गीयते |

VI. इमं परिच्छेदं पठित्वा प्रश्नानां उत्तराणि लिखत।

(5 × 2 = 10)

पाटलीपुत्रनगरे लीलालयो नाम भूपालः प्रतिवसतिस्म। स एकदा आत्मनः प्रतिकृतिं निर्मातुकामः सिन्धुं नाम चतुरं चित्रकारं आहूय आज्ञापयामास भद्र, अस्ति मे वाञ्छा मम प्रतिकृतिं निर्मापयितुम् तदनुष्ठीयतामादेशः इति। चित्रकारस्तु चिन्तयामास अनुल्लङ्घनीया एव प्रभोरादेशः। किन्तु काणेऽयं एकेन अक्षणा इति नास्त्येव अस्य प्रसादसम्भावना इति। तथापि चतुरः सः अवदत्-यथाज्ञापयति देवः इति। व्यतीतेषु कतिपयेषु दिवसेषु सः प्रकृतिं दर्शयित्वा अवदत् - भोः राजन्, पश्च अस्यां आकृत्यां त्वं मृगयाव्यापृतः इति। चित्रकारेण निमीलितं विकृतं तेन न लक्षितम्। तस्मात् प्रसन्नोऽसौ तं चित्रकारं प्रभूतेन धनेन सम्भावयामास।

प्रश्नाः

1. लीलालयो नाम भूपतिः कुत्र आसीत्?
2. सः चित्रकारं किमिति आज्ञापयामास?
3. चित्रकारः किमिति चिन्तयामास?
4. राजा किं न लक्षितम्?
5. प्रसन्नो राजा चित्रकारं केन सम्भावयामास?

**First Semester B.A./B.Sc./B.C.A./B.Sc.(FAD)/B.S.W. Degree
Examinations, November/December 2019**

(CBCS Scheme – Freshers & Repeaters – 2018-19 and onwards)

MALAYALAM LANGUAGE

Part-I, Paper-I

Time : 3 Hours]

[Max. Marks : 70

I. ഏതെങ്കിലും നാലു ചോദ്യങ്ങൾക്ക് ഉത്തരം എഴുതുക :

(4 × 3 = 12)

1. അല്ലെല്ലെന്നു കഥയിതു കഷ്ടമേ
അല്ലലാലങ്ങുജാതി മറന്നിതോ
2. ഹന്ത! തടി തളർന്നാർത്തികലരുന്നു
ജന്തുനിസർഗ്ഗ വികാരമേലാ
3. ക്ഷിതിയിൽ കണ്ടാശു സൂക്ഷിച്ചുനോക്കി
നിധി ചോര പോലെ കുനിഞ്ഞിരുന്നു
4. ഹാ! കാവ്യമീ നദസ്സിൽ ഒരു
കാർകൊണ്ടൽ വന്നു കേറുന്നു.
5. ഇന്നലെച്ചെയ്തോരബദ്ധം മൂഡർ
ക്കിന്നത്തെയാചാരമാവാം.

II. (a) ഏതെങ്കിലും രണ്ടെണ്ണത്തിന് ഉത്തരം എഴുതുക (ഒന്നരപ്പുറത്തിൽ കവിയാതെ) :

(2 × 6 = 12)

1. കിണറ്റിൻ കരയിലെക്ക് വരുന്ന ചണ്ഡാലിയെ കവി വർണ്ണിക്കുന്നതെങ്ങനെ?
2. ജേത്രവനവിഹാരത്തിലെ കാഴ്ചകൾ എന്തെല്ലാം?
3. മാതംഗിയുടെ ആശ്രമജീവിതം എങ്ങനെയായിരുന്നു?

(b) ഏതെങ്കിലും രണ്ടു ചോദ്യത്തിന് ഉത്തരമെഴുതുക (ഒന്നരപ്പുറത്തിൽ കവിയാതെ) :

(2 × 6 = 12)

1. വായു, വെള്ളം, മണ്ണ് ഇവ സംരക്ഷിക്കപ്പെടേണ്ടതിന്റെ ആവശ്യം എന്ത്?
2. സ്ഥായിയായ വികസനം എന്നാൽ എന്ത്?
3. പുനരുപയോഗം

III. ഏതെങ്കിലും ഒന്നിന് ഉത്തരമെഴുതുക (രണ്ടരപ്പുറത്തിൽ കവിയാതെ) : **(1 × 15 = 15)**

1. പ്രകൃതിവർണ്ണന വ്യക്തമാക്കുന്ന കവിതയാണ് “ചണ്ഡാല ഭിക്ഷുകി” - വിലയിരുത്തുക.
2. “ചണ്ഡാല ഭിക്ഷുകി” എന്ന പേരിന്റെ ഔചിത്യം വ്യക്തമാക്കുക.

IV. ഏതെങ്കിലും ഒന്നിന് ഉത്തരമെഴുതുക (രണ്ടരപ്പുറത്തിൽ കവിയാതെ) : **(1 × 15 = 15)**

1. പരിസ്ഥിതിയെ അടിസ്ഥാനമാക്കി എഴുതപ്പെട്ടിട്ടുള്ള ഒരു മനോഹര കൃതിയാണ് “കാവുതീണ്ടല്ലേ” - വ്യക്തമാക്കുക.
2. “ഇരുപത്തിയൊന്നാം നൂറ്റാണ്ടി”ന്റെ വെല്ലുവിളികൾ എന്തെല്ലാം വിവരിക്കുക.

V. ആശയം വ്യക്തമാക്കുക (ഒന്നിന്) : **(1 × 2 = 2)**

1. കാക്ക കുളിച്ചാൽ കൊക്കാകുമൊ
2. അമിതമായാൽ അമൃതം വിഷം

VI. കുറുപ്പെഴുതുക (ഒന്നിന്) : **(1 × 2 = 2)**

1. കലകളും മനുഷ്യ പുരോഗതിയും
2. ദൃശ്യമാധ്യമങ്ങളുടെ സ്വാധീനം

**First Semester B.A./B.Sc./B.C.A./B.Sc.(FAD) Degree Examinations,
November/December 2019**

(CBCS Scheme – Freshers & Repeaters – 2018-19 and onwards)

TAMIL LANGUAGE

Part-I, Paper-I

Time : 3 Hours]

[Max. Marks : 70

I. விரிவான விடை தருக :

1. கண்ணனைத் தன் சேவகனாகக் கருதி பாரதியார் கூறும் கருத்துக்களை விளக்குக.

(அல்லது)

கண்ணம்மா - என் காதலி எனும் பாடலின் பொருளை விளக்கி வரைக. **(10)**

2. சாதிப் பிரிவினை என்னும் கவிதையில் உள்ள கருத்துக்களை விவரிக்க.

(அல்லது)

கவிஞர் ந. சுரேசுருமார் பாடிய கவிதையில் அமைந்துள்ள சமூக சிந்தனைக் கருத்துகளை விளக்கி வரைக. **(10)**

II. இடம் சுட்டிப் பொருள் விளக்கம் தருக :

1. தின்னப் பழம்கொண்டு தருவான்;- பாதி
தின்கின்ற போதிலே தட்டிப் பறிப்பான்

(அல்லது)

உணவு செல்லவில்லை;- சகியே,

உறக்கங் கொள்ள வில்லை

(4)

2. ஆசை முதிர்ந்ததும் அன்பு - கொண்ட
அன்பு முதிர்ந்ததும் அள்ளிடும் பாசம்

(அல்லது)

அவர்கள் மொழி பழகவும்

நிறம் பூசவும்

ஆயத்தமாய் உள்ளேன் நான்.

(4)

III. “அண்ணாசாலையில் ஒரு இந்தியன்” என்னும் சிறுகதைகள் தொகுப்பிலிருந்து பின்வருவனவற்றுள் ஏதேனும் ஒன்றினைத் திறநனாய்வு செய்க : (15)

1. தண்டனை
2. தாகமுள்
3. மாதவம் செய்திடல்

IV. எவையேனும் ஐந்து வினாக்களுக்கு விடை தருக :

(5 × 4 = 20)

1. பின்வரும் சொற்களை அகரவரிசைப்படுத்துக :
மேற்கு, வடக்கு, தெற்கு, கிழக்கு.
2. பல பொருள் குறித்த ஒரு சொல்லைச் சான்றுடன் கூறுக.
3. வில்லினம் மிகா இடங்கள் நான்கினை சான்று தந்து நிறுவுக.
4. எண்மயக்கம், காலமயக்கத்தைக் கூறி விளக்குக.
5. பின்வரும் பிறமொழிச் சொற்களை தமிழ்ப்படுத்துக :
ஸ்வீகாரம், ஆஸ்பத்திரி, சர்வகலாசாலை, டெலிவிஷன்.
6. கலைச் சொல்லாக்கத்தின் போது கருத்தில் கொள்ள வேண்டியவை யாவை?
7. பழமொழிகள் இரண்டினை எழுதி விளக்குக.
8. நிறுத்தற்குறிகள் நான்கினை எடுத்துக்காட்டுடன் கூறுக.

V. நீங்கள் வசிக்கும் பகுதியில் உள்ள விளம்பர பதாகைகளை அகற்றக்கோரி மாநகர ஆணையருக்கு மடலொன்று வரைக. (7)

60110

**First Semester B.A./B.Sc./B.Com./B.B.A./B.H.M./B.Sc.(FAD)/B.C.A.
Degree Examination, November/December 2019**

(CBCS Scheme – Freshers & Repeaters 2018-19 Onwards))

Additional English - I

Paper I – ADDITIONAL ENGLISH

Time : 3 Hours]

[Max. Marks : 70

Instructions to Candidates :

- 1) *Answer ALL the questions.*
- 2) *Write the correct question numbers.*

I. (a) Correct the errors in the following set of sentences : **(5 × 2 = 10)**

1. (i) She is best player in the team.
(ii) I live in the small apartment in the suburbs.
2. (i) I congratulated her for her success.
(ii) The child resembles to its mother.
3. (i) He has returned from London last week.
(ii) I am working for a small company since I left school.
4. (i) Man's happiness or misery are in a great measure in his own hands.
(ii) The accountant and the cashier has absconded.
5. (i) We are going to the beach tomorrow even though it rains.
(ii) Our office is near to the airport, so it will be easy for you to get here.

(b) Read the following passage and answer the questions below :

"I Have a Dream" is a public speech delivered by American civil rights activist Martin Luther King Jr. during the March on Washington for Jobs and Freedom on August 28, 1963, in which he calls for an end to racism in the United States and called for civil and economic rights. Delivered to over 2,50,000 civil rights supporters from the steps of the Lincoln Memorial in Washington, D.C., the speech was a defining moment of the civil rights movement. Beginning with a reference to the Emancipation Proclamation, which freed millions of slaves in 1863, King observes that : "one hundred

years later, the Negro still is not free". Toward the end of the speech, king departed from his prepared text for a partly improvised peroration on the theme "I have a dream," prompted by Mahalia Jackson's cry : "Tell them about the dream, Martin!" In this part of the speech, which most excited the listeners and has now become its most famous, King described his dreams of freedom and equality arising from a land of slavery and hatred. Jon Meacham writes that, "With a single phrase, Martin Luther King Jr. joined Jefferson and Lincoln in the ranks of men who've shaped modern America". The speech was ranked the top American speech of the 20th century in a 1999 poll of scholars of public address.

1. Read the meanings below, find one word from the passage to replace the description : (3 × 1 = 3)

- (i) Freeing of someone from slavery
- (ii) A clear declaration of something
- (iii) The concluding part of a speech.

2. Use each of the following words from the passage in sentences of your own : (2 × 1 = 2)

- (i) Equality
- (ii) Freedom.

- (c) Prepare two suitable captions 'To Educate a Girl Child'. (2 × 2½ = 5)

Or

Prepare one slogan for each :

- (i) Save water
- (ii) Save trees.

- II. (a) Answer any **FIVE** questions in 1 or 2 sentences each : (5 × 2 = 10)

1. How did the devil reprimand the Imp?
2. Why was Kali delighted?
3. When did Pip return from the churchyard?
4. What did Sir Walter Scott tell Rogers of his school days?
5. According to Lynd what have the grownups abandoned.
6. What makes the speaker feel better in 'Sonnet 29'?
7. What is the grandfather's work compared to?

(b) Answer any **FOUR** questions in about a page each : (4 × 5 = 20)

1. What advices did the Imp give the peasant?
2. Describe Kali as presented in the short story 'Sweets for Angels'.
3. Give a brief introduction to Pip's childhood.
4. How can one take care of the tyranny of little habits?
5. Who was blue beard and why does Lynd compare him to Henry VIII in the essay 'Window View'?
6. Discuss and analyse the meaning of 'Sonnet 29'.
7. Where does the poet find his lost childhood? How can he get it back?
8. Write a note on the description of nature in the poem 'Grandfather's Holiday'.

(c) Answer any **TWO** questions in about 2 pages each : (2 × 10 = 20)

1. The Imp was finally successful in making the peasant commit the sin. How did he succeed in his evil intentions?
 2. "The love towards the children was mistaken by the public". Discuss with reference to the short story 'Sweets for Angels'.
 3. How does the writer solve his problem with regard to his habits? Elucidate with examples.
-

**First Semester B.C.A. Degree Examination,
November/December 2019**

(CBCS Scheme)

Computer Science

PROBLEM SOLVING TECHNIQUES USING C

Time : 3 Hours]

[Max. Marks : 70

Instructions to Candidates : Answer ALL Sections.

SECTION – A

Answer any **TEN** questions. Each question carries **2** marks : **(10 × 2 = 20)**

1. What is flow chart? Give its advantages.
2. What are escape sequence characters?
3. What are the format specifiers used to input functions?
4. Differentiate between break and continue.
5. What is a function prototype declaration?
6. What is a two-dimensional array?
7. What is the purpose of strcmp () function?
8. What is enumerated data type in C? How is it declared?
9. What is a pointer? How to declare pointer variable in C?
10. What is the purpose of ftell ()?
11. Explain command line arguments.
12. Define macro. Give an example.

SECTION – B

Answer any **FIVE** questions. Each question carries **10** marks :

(5 × 10 = 50)

13. (a) Explain the structure of 'C' program. (5)
(b) Write an algorithm to find largest of 3 nos. (5)
 14. (a) Explain the formatted I/O function in C. (5)
(b) What is an operator? Explain any three types of operators. (5)
 15. (a) Compare while () and do-while () loops. Illustrate with example. (5)
(b) Write a C program to generate N Fibonacci numbers using recursive function. (5)
 16. Write a C program to find product of two $N \times M$ matrices. (10)
 17. (a) Explain the storage class with example. (5)
(b) Explain the difference between call by value and call by reference with suitable example. (5)
 18. (a) What is an array of structure? Explain. (5)
(b) Explain the following : (5)
 - (i) malloc
 - (ii) calloc
 - (iii) realloc.
 19. (a) Explain various file opening modes. (5)
(b) Differentiate between text and binary files. (5)
 20. (a) What are pre processor directives? Explain. (5)
(b) Write a C program to copy the contents of one file to another. (5)
-

**First Semester B.C.A. Degree Examination,
November/December 2019**

(CBCS Scheme – Freshers & Repeaters)

**Computer Science
DIGITAL ELECTRONICS**

Time : 3 Hours]

[Max. Marks : 70

Instructions to Candidates : Answer ALL Sections.

SECTION – A

I. Answer any **TEN questions :**

(10 × 2 = 20)

1. State Ohm's law.
2. Define the term time period and frequency.
3. What is a semiconductor? Give an example.
4. State Norton's theorem.
5. What is doping?
6. Find the 2's complement of 00110011.
7. Show that $C + \overline{BC} = 1$.
8. Convert $(B64.53)_{16}$ to Binary.
9. What is a combinational circuit? Give an example.
10. Define encoder and decoder.
11. Write the truth table and logic symbol of X-OR gate.
12. State any two important characteristics of flip-flop.

SECTION - B

Answer any **FIVE** questions :

(5 × 10 = 50)

13. (a) State and explain Kirchoff's voltage law. (5)
 (b) Briefly explain the current divider circuit with example. (5)
14. (a) State and explain super position theorem. (5)
 (b) State and explain Thevenin's theorem. (5)
15. (a) Write any five differences between intrinsic and extrinsic semi conductors. (5)
 (b) Explain p-n junction with a neat diagram. (5)
16. (a) Convert $(BCA)_{16} = ()_2, ()_8, ()_{10}$. (5)
 (b) Explain briefly about BCD code with an example. (5)
17. (a) Simplify $F(ABCD) = \sum m(1, 3, 7, 11, 15) + \sum d(0, 2, 5)$. (5)
 (b) Prove the following :
 (i) $AB + A(B + C) + B(B + C) = B + AC$
 (ii) $A + \overline{A}B = A + B$. (5)
18. (a) What is universal gate? Realize NAND as universal gate. (5)
 (b) Draw a neat circuit diagram of FULL ADDER and explain the working. (5)
19. (a) Design a 4 to 1 multiplexer circuit and explain. (5)
 (b) Explain the working of RS flipflop with truth table and timing diagram. (5)
20. (a) Explain SISO and PIPO shift registers with a neat diagram. (6)
 (b) Write a note on applications of shift registers. (4)

**First Semester B.C.A. Degree Examination,
November/December 2019**

(CBCS Scheme)

Computer Science

DISCRETE MATHEMATICS

Time : 3 Hours]

[Max. Marks : 100

Instructions to Candidates : Answer ALL Sections :

SECTION - A

Answer any **TEN** of the following :

(10 × 2 = 20)

1. Write the following sets in set-builder form

(a) $\{2, 4, 8, 16, 32, \dots\}$

(b) $\{1, 3, 5, 7, 9\}$.

2. Define subset. Give an example.

3. Let $A = \{1, 2, 3, 4, 5\}$, $B = \{1, 4, 5\}$. Let 'R' be a relation from A into B, defined by $R = \{(a, b) / a \in A, b \in B, a < b\}$

(a) Write the elements of R

(b) Write the domain of R.

4. Define Tautology.

5. Define unit matrix with example.

6. Find the value of $\begin{vmatrix} 3 & 4 & 2 \\ -1 & 3 & 4 \\ -2 & 3 & 1 \end{vmatrix}$.

7. Find the value of x

(a) $\log_8^{32} = x$

(b) $\log_4^{64} = x$.

8. In how many ways 5 children can stand in a queue?
9. Define a group.
10. If $\vec{a} = 2i + 3j + 4k$, $\vec{b} = i - 2j + k$, find $|2\vec{a} + \vec{b}|$.
11. Find the mid point of line joining $(-2, 8)$ and $(1, -2)$.
12. Define slope of a line.

SECTION - B

Answer any **SIX** of the following :

(6 × 5 = 30)

13. If $U = \{0, 1, 2, 3, 4, 5, 6, 7, 8, 9\}$ is a universal set, $A = \{2, 3, 4, 8\}$, $B = \{1, 3, 4\}$ and $C = \{3, 4, 5, 6\}$ verify $(A \cup B)' = A' \cap B'$ and $(A \cap B)' = A' \cup B'$.
14. Let $A = \{2, 1, 5, 6\}$ and $B = \{5, 2, 26, 37\}$. Define $f: A \rightarrow B$ by $f(a) = a^2 + 1$ for all $a \in A$, show that 'f' is both one to one and onto? Define f^{-1} .
15. Show that the proposition $(p \wedge q) \wedge \sim (p \wedge q)$ is a contradiction.
16. Prove that $[p \wedge (q \vee r)] \equiv [(p \wedge q) \vee (p \wedge r)]$.
17. Write the converse, inverse and contra positive of "If two triangles are congruent then they are similar".
18. Solve using Cramer's rule :
 $4x + y = 7$; $3y + 4z = 5$, $3z + 5x = 2$.
19. Find the eigen values and the eigen vectors of the matrix $\begin{bmatrix} 1 & 2 \\ 3 & 2 \end{bmatrix}$.
20. Verify the Cayley-Hamilton theorem for the matrix $A = \begin{bmatrix} 3 & 1 \\ 1 & 4 \end{bmatrix}$.

SECTION - C

Answer any **SIX** of the following :

(6 × 5 = 30)

21. If $a^2 + b^2 = 7ab$ show that
 - (a) $2\log(a+b) = 2\log 3 + \log a + \log b$
 - (b) $2\log(a-b) = \log 5 + \log a + \log b$.
22. In how many ways 6 examination question papers, out of which 2 are of mathematics, can be arranged, so that the two mathematics papers never come together.
23. Among 20 cricket players, there are two wicket keepers and 5 bowlers. In How many ways can 11 be chosen? So as to include only one wicket keeper and atleast three bowlers?
24. Show that the set of all fourth roots of unity form a group under multiplication.
25. Show that (z_6, t_6) , where $z_6 = \{0, 1, 2, 3, 4, 5\}$ is a group.
26. If $\vec{a} + \vec{b} + \vec{c} = \vec{0}$ and $|\vec{a}| = 3$, $|\vec{b}| = 5$, $|\vec{c}| = 7$ find the angle between \vec{a} and \vec{b} .
27. Show that the points $A(1, 2, 3)$, $B(2, 3, 1)$ and $C(3, 1, 2)$ are vertices of an equilateral triangle.
28. Find the area of the triangle whose vertices are $A = (1, 3, 2)$, $B(2, -1, 1)$, $C(-1, 2, 3)$.

SECTION - D

Answer any **FOUR** of the following :

(4 × 5 = 20)

29. Show that the points $(2, -3)$, $(6, 5)$, $(-2, 1)$ and $(-6, -7)$ form a rhombus.
30. Find the area of the triangle whose vertices are $(3, 4)$, $(2, -1)$ and $(4, -6)$.

31. Find the equation of the locus of the point which moves such that it is equidistant from the points (1, 2) and (-2, 3).
32. Show that the points (1, 1), (3, -2) and (5, -5) are collinear using the concept of slope of the line.
33. Find the equations of the medians of the triangle whose vertices are (-1, 8), (4, -2) and (-5, -3).
34. Find the equations of the line for which
- (a) $p = 4$, $\alpha = 120^\circ$
- (b) $p = 7$, $\alpha = 60^\circ$.
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