(2016 Batch Onwards)

G 135.3/535.3/335.3 Reg. No.: | | | | | | |

St Aloysius College (Autonomous)

Mangaluru

B.A./B.Sc./B.Com. Semester III – Degree Examination

OCTOBER - 2018

ENGLISH

Time: 3 hrs. **Max Marks: 100**

UNIT I - PROSE

I A Answer the following in a word, phrase, or sentence each. (5x1=5)

1. What is the other social media that the author comments on besides the cell phone?
2. What, according to the author, is lost by the use of urgent and instantaneous technology?
3. Mention any two physical symptoms that the hurry sickness has caused among human beings.
4. Why does the narrator mention that the Car Nicobar islands were low-lying islands?
5. How did the Director's son survive the tsunami?

I B Answer any FOUR of the following in about 150 words each. (5x4=20)

1. How did the IRS and the tall man cope with the negativity?
2. Write a note on the havoc caused by the tsunami.
3. What were the Director's ways of coping with his loss?
4. What glimpse does the lesson "A Town by the Sea" give of the Director's wife, son and daughter?
5. What kind of a man do you think was the Director? Explain with reference to the lesson.
6. What events led to the frantic efforts of the Director to contact his family?

UNIT II – POETRY

I A Annotate any TWO of the following in about 150 words each. (2x5=10)

1. "Teach him to have faith in his own ideas,
   Even if everyone tells him they are wrong...
   Teach him to be gentle with gentle
   And tough with tough"
2. "For he suddenly smote the door, even
   Louder, and lifted his head:-
   Tell them I came, and no one answered,
   That I kept my word, he said"
3. "These are the times of tall men, and short character;
   Steep profits and shallow relationships,
   These are the times of world peace, but domestic warfare,"

Contd...2

I B Answer any TWO of the following in about 150 words each. **(2x5=10)**

1. What is the connection between knowledge and judgment?
2. What was the child doing alone near the hedge? What were her schoolmates doing? How did they react when the "blue frocked women" scolded the lonely child?
3. The poet says that as she is an adult now, there is no need to remember the picnic, yet she remembers it. Why?

UNIT III - DRAMA

I A Answer the following in a word, phrase, or a sentence each. **(5x1=5)**

1. Peter advises Jerry to get married. True/False?
2. Jerry's aunt was "neither given to sin nor the consolation of the bottle". Explain this quote.
3. The dog and the ..... are the gate keepers of Jerry's dwelling.
4. The land lady always spies on Jerry to see that he doesn't bring in ..... and ..... .
5. Jerry plans to kill the dog by feeding it a ..... stuffed with rat poison.

I B Answer any TWO of the following in about 200 words each. **(2x10=20)**

1. The conversation between Peter and Jerry at the beginning of the play dwells on marriage, wife, children, family and pets. Analyze this conversation and comment on the unusual situation.
2. Jerry describes his "everyday" experience in terms of the people he sees at his"four-storey Brownstone rooming-house" and his measly possessions. What picture of life does he give? Explain.
3. Jerry tells a long story that explains why the picture frames are empty? What is that story? Does it explain Jerry's personal tragedy?

UNIT IV GRAMMAR AND WRITING SKILLS

I Choose the appropriate word/phrase for the underlined idiom given in the brackets below. **(5x1=5)**

1. Some politicians .....when elections are nearing.
2. When we face problems we must remember that ..... .
3. ..... is a common trait of people.
4. Of the three children Rahul got a .....of the property.
5. In hindi movies police arrive at the scene of action ..... .

(A cock and bull story, sit on the fence, every cloud has a silver lining, hit the nail on the head, to blow one's own trumpet, read between the lines, Lion's share, to kill time, at the eleventh hour)

II Fill in the blanks with appropriate binomials. **(5x1=5)**

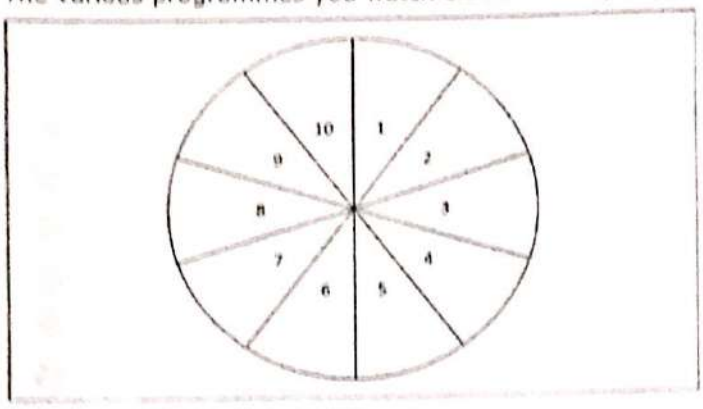
1. Sometimes we get tired of the hustle and ..... of city life.
2. There was only skin and ..... left of the cancer patient during her last days.
3. More or ....., I am done with the packing work.
4. Frequent use of any electronic gadget results in its wear and .....
5. By and ....., our country has got rid of some major diseases.

Contd...3

III **Write a letter of complaint to the commissioner of the city corporation about irregular water supply in your locality.** **(5 Marks)**

IV **Interpret the following diagram and write a report describing the information shown.** **(5 Marks)**

The various programmes you watch on TV in a day for 12 hours.



1) News -	01 hr	2) music	01 hr
3) Drama -	02 hrs	4) Phone-in-programme	01 hr
5) Movie -	02 hrs	6) Dance	01 hr
7) Serial -	02 hrs	8) Sports	½ hr
9) Recipe -	½ hr	10) Reality show	01 hr

V Choose appropriate words from the list given below and fill in the blanks to complete the paragraph. **(5x1=5)**

The ..... beast was preparing itself for a fierce battle with its male adversary. The forest was quiet except for the chirping of birds and cricket on this ..... Afternoon. She knew her enemy was hiding himself in the ..... undergrowth behind the trees. She noticed some .....movement and thought of launching the attack. However, she halted for a moment and decided to withdraw .....

(strong, ferocious, super, sultry, wet, faint, formal, dense, quietly, real, simple)

VI Reading comprehension:

Read the following passage and answer the questions given below in not more than a sentence each:

Once again we waited and waited, but heard nothing. Finally we came to the conclusion that the burglars had fled when they heard footsteps in an otherwise quiet building. The problem now was that the chairs in the private office were neatly grouped round the radio, which were turned to England. If the burglars had forced the door and the air raid wardens were to notice it and call the police, that would get the ball rolling and there could be very serious repercussions. So Mr. Van Daan got up, pulled up his coat and pants, put on his hat and cautiously followed father down the stairs, with Peter(armed with an heavy hammer, to be on the safe side) right behind him. The ladies (including Margot and me) waited in suspense, until the men returned fine minutes later and told us that there were no signs of any activity in the building.

Contd...4

Questions: (5x1=5)

1) Why did the burglars flee according to the speaker?
2) What would get the ball rolling?
3) Why did Mr. Van Daan follow the father down the stairs?
4) What information did the men bring from downstairs?
5) Find expressions in the passage which mean!
   a) Reaction or consequence
   b) Act of coming to an end

****

(2014 Batch Onwards)

G 136.3/336.3/536.3 Reg. No. | | | | | | |

St Aloysius College (Autonomous)

Mangaluru

B.A./ B.Com./B.Sc. Semester III - Degree Examination

October – 2018

HINDI

Time: 3 hrs. **Max Marks: 100**

I अ) नीचे लिखे अनुच्छेद का अनुवाद अंग्रेजी में कीजिए : (1×6=06)

आज का युग विज्ञापन का युग कहलाता है। विज्ञापन के बल पर ही उत्पादक अपने उत्पादों की सूचना जन –मन तक पहुँचाता है। विज्ञापनों द्वारा ही अनेक प्रकार की सूचनाएँ दी जाती है। विज्ञापनों द्वारा ही आज के युग का अधिकांश व्यापार चलता है। सुबह से शाम तक रेडियो, दूरदर्शन, समाचार-पत्रों, पत्र-पत्रिकाओं आदि में अनेक प्रकार के विज्ञापन दिये जाते हैं।

आ) नीचे लिखे अनुच्छेद का अनुवाद हिंदी में कीजिए : (1×6=06)

Family farming is farming in a farm owned and operated by a family. Like other family business and real estate, ownership often passes to the next generation by inheritance. It is the basic unit of the mostly agricultural economy of much of human history and continues to be so in developing nations.

इ) किन्हीं चार प्रश्नों के उत्तर लिखिए : (4×2=08)

1. भावानुवाद और छायानुवाद का अंतर समझाइए।
2. अनुवाद प्रक्रिया के तीन चरण लिखिए।
3. अनुदित पाठ का पुनर्गठन और संप्रेषण की प्रक्रिया कैसे चलती है ?
4. अच्छे अनुवादक के किन्हीं दो गुणों को समझाइए।
5. न्यूमार्क के अनुवाद प्रक्रिया के समाहित सोपन लिखिए।
6. स्रोत भाषा और लक्ष्य भाषा में क्या अंतर है ?
7. अनुवादक में बहुज्ञता तथा विवेकशीलता का क्या महत्व है ?
8. अनुवाद के मुख्य प्रकारों को लिखिए।

II अ) निम्नलिखित अवतरण को ध्यानपूर्वक पढिए और संबंधित प्रश्नों का उत्तर लिखिए : (5×2=10)

मानव और अन्य प्राणियों में सबसे बड़ा अंतर है। मनव की वह क्षमता, जिससे उसने भाषा का विकास किया है। भाषा की आवश्यकता इस बात से स्पष्ट होती है कि बिना भाषा के मानव का कोई भी काम आसानी से नहीं हो सकता। इस भाषा को वह अनेक तरह से आवश्यकतानुसार काम में लाता है, इसीलिए जब हम बातचीत के लिए भाषा का प्रयोग करते है, तो वह भाषा सामान्य भाषा कहलाती है। जब हम उसका प्रयोग कविता, नाटक उपन्यस या कहानी लिखने के लिए करते हैं तो उसे साहित्यिक भाषा कहते है। जब हम

Contd...2

वैज्ञानिक या तकनीकी विषयों के बारे में जानने के लिए भाषा को माध्यम बनाते है, तब उस भाषा को वैज्ञानिक या तकनीकी भाषा कहते है। इसलिए भाषा वह साधन है, जिससे हम अपने विचारों को आदान-प्रदान कर सकते है। भाषा के दो रूप हो जाते हैं। उच्चरित भाषा तथा लिखित भाषा।

1. मानव और अन्य प्राणियों में सबसे बड़ा अंतर क्या है ?
2. हमें भाषा की क्यों आवश्यकता है ?
3. सामान्य भाषा का प्रयोग मनुष्य कब करता है ?
4. साहित्यिक और तकनीकी भाषा सामान्य भाषा से किस प्रकार भिन्न है ?
5. भाषा के कितने भेद है ? लिखिए।

आ) निम्नलिखित अवतरण का संक्षिप्त रूप लिखकर शीर्षक दीजिए : (1×5=05)

लेखक का काम बहुत अंशों में मधुमक्खियों के काम से मिलता है। मधुमक्खियाँ मकरंद संग्रह के लिए कोसों के चक्कर लगाती हैं और अच्छे –अच्छे फूलों पर बैठकर उनका रस लेती हैं। तभी तो उसके मधु में संसार की श्रेष्ठ मधुरता रहती है। यदि आप अच्छा लेखक बनना चाहें तो आपको यही वृत्ति ग्रहण करनी चाहिए। अच्छे –अच्छे ग्रंथों का खूब अध्ययन कीजिए और उनकी बातों पर मनन कीजिए। फिर आपकी भी रचनाओं में मधु का- सा माधुर्य आने लगेगा। कोई अच्छी उक्ति कोई अच्छा विचार भले ही दूसरों से ग्रहण किया गया हो, पर यदि यथेष्ट मनन कर उसे अपनी रचना में स्थान देंगे तो वह आपका हो जायेगा।

इ) निम्नलिखित पारिभाषिक शब्दावली का रूपांतरण हिंदी में कीजिए : (5×1=05)

1. Sanction 2. Transfer 3. Manual
4. Eligibility 5. Immediate

III अ) एक वाक्य में उत्तर लिखिए : (6×1=06)

1. दीपदान एकांकी के रचयिता कौन है ?
2. उमा की पढ़ाई सच में कहाँ तक हुई थी ?
3. धाय माँ पन्ना के पुत्र का नाम क्या है ?
4. मझली भाभी के पति का नाम क्या है ?
5. दीपदान किस विधा की एकांकी है ?
6. सोना कौन थी ?

आ) किसी एक का संदर्भ सहित स्पष्टीकरण दीजिए : (1×6=06)

1. तुम नहीं समझोगे कुंवर। जाओ, सो जाओ। थक गये होगे भोजन के लिए मैं जगा लूँगी।
2. बताया तो था तुम्हें। बाप सेर है तो लड़का सवा सेर।

इ) किसी एक पात्र का चरित्र-चित्रण 150 शब्दों में लिखिए : (1×6=06)

1. दीपदान एकांकी का चंदन।
2. मैं भी मानव हूँ का- राधागुप्त।

Contd...3

ई) किसी एक प्रश्न का उत्तर 300 शब्दों में लिखिए: (1×12=12)

1. समाज के दोहरे मानदंडों पर "रीढ़ की हड्डी एकांकी" एक तीखा व्यंग्य है – समर्थन कीजिए।
2. सूखी डाली एकांकी का सार अपने शब्दों में लिखिए।

IV अ) एक वाक्य में उत्तर लिखिए : (6×1=06)

1. रमेश की पत्नी की आयु कितनी थी ?
2. 'अंडे के छिलके' एकांकी के रचयिता कौन हैं ?
3. आत्म रक्षा के लिए सुयोधन कहाँ छिपकर बैठा था ?
4. बरसात में श्याम क्या लाने के लिए बाहर गया था ?
5. जीवन लाल कौन था ?
6. बड़ी बहू राधा रामायण के बहाने छुपाकर क्या पढ़ती थी ?

आ) किसी एक का संदर्भ सहित स्पष्टीकरण दीजिए : (1×6=06)

1. एक निहत्थे थके हुए व्यक्ति को घेरकर वीरता का उपदेश देना सहज है युधिष्ठिर। मुझे खेद है मैं इसके लिए तुम्हारी प्रशंसा नहीं कर सकता।
2. ठीक है। जब आप अपनी जिद पर ही अड़े है तो और अधिक अनुनय – विनय करना व्यर्थ है।

इ) किसी एक पात्र का चरित्र-चित्रण 150 शब्दों में लिखिए : (1×6=06)

1. अंडे के छिलके की बीना।
2. महाभारत की एक साँझ का भीम।

ई) किसी एक प्रश्न का उत्तर 300 शब्दों में लिखिए : (1×12=12)

1. 'अंडे के छिलके' एकांकी का सार लिखिए।
2. 'महाभारत की एक साँझ' एकांकी में व्यक्त दुर्योधन और युधिष्ठिर के संवादों को लिखिए।

****

5

G 537.3

(2015 onwards)

Reg. No: | | | | | | |

ಸಂತ ಅಲೋಶಿಯಸ್ ಕಾಲೇಜು (ಸ್ವಾಯತ್ತ)

ಮಂಗಳೂರು

ಬಿ.ಎಸ್ಸಿ – ಮೂರನೆಯ ಚತುರ್ಮಾಸ ಅಂತಿಮ ಪರೀಕ್ಷೆ

ಅಕ್ಟೋಬರ್ – **2018**

ಕನ್ನಡ ಭಾಷಾ ಪತ್ರಿಕೆ – 3

ಸಮಯ: 3.00 ಘಂಟೆ ಗರಿಷ್ಠ ಅಂಕಗಳು: 100

I ಕಾವ್ಯ ಭಾಗ

ಅ) ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಲ್ಲಿ ಎರಡನ್ನು ಪ್ರಬಂಧ ರೂಪದಲ್ಲಿ ಉತ್ತರಿಸಿ **(10×2=20)**

1. ವಟುವೇಷದ ಶಿವ ಪಾರ್ವತಿಯ ತಪಸ್ಸಿಗೆ ಭಂಗವಾದ ಬಗೆಯನ್ನು ಚಿತ್ರಿಸಿ.
2. ರಾವಣ ಮತ್ತು ಶೂರ್ಪನಖಿ ಇವರ ನಡುವೆ ನಡೆದ ಮಾತುಗಳ ಸ್ವಾರಸ್ಯವನ್ನು ವಿವರಿಸಿ.
3. ಸಮಾನತೆ ಸಾಧನೆಯಲ್ಲಿದ ಎನ್ನುವುದನ್ನು 'ಮುಟ್ಟು' ಕವನ ಪ್ರತಿಪಾದಿಸಿದ ಬಗೆ ಹೇಗೆ?

ಆ) ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಲ್ಲಿ ಒಂದನ್ನು ಟಿಪ್ಪಣಿ ರೂಪದಲ್ಲಿ ಉತ್ತರಿಸಿ **(3×1=3)**

1. ಜಾನಪದ ಕವಯತ್ರಿ ಬೋರಮ್ಮ
2. ಕುವೆಂಪು

ಇ) ಕೆಳಗಿನ ಪದ್ಯಗಳಲ್ಲಿ ಒಂದರ ಭಾವಾನುವಾದ ಸಂದರ್ಭ – ಸ್ವಾರಸ್ಯಗಳನ್ನು ವಿಶ್ಲೇಷಿಸಿ **(6×1=6)**

1. ಊರ ಸೀರೆಗೆ ಅಗಸ ತಡಬಡಗೊಂಬಂತೆ
   ಹೊನ್ನೆನ್ನದು, ಹೆಣ್ಣೆನ್ನದು, ಮಣ್ಣೆನ್ನದು ಎಂದು ನೆನೆನೆನೆದು
   ನಿಮ್ಮನರಿಯದ ಕಾರಣ ಕೆಮ್ಮನೆ ಕೆಟ್ಟನೆಯ್ಯಾ
   ಚೆನ್ನಮಲ್ಲಿಕಾರ್ಜುನಯ್ಯಾ

2. ಕರೆದೆಯೆಂದು ಬಂದೆನಲ್ಲ;
   ಬರಲು–ನಡೆದೆ! ನುಡಿಯಲಿಲ್ಲ!
   ಎನ್ನ ತುಟಿಯನೇರಿ ಮೃತ್ಯು ನಿನ್ನ ಮೊಗಕೆ ಹಾರಿತೇ ?
   ಪ್ರೇಮಕುಂಟೆ ಶಾಪವೆಂದು
   ಮುನಿಯ ಮುನಿಸ ಮರೆತು ಬಂದು
   ಮುಟ್ಟೆ ನಿನ್ನ ಪ್ರೇಮದೊಳಗು ಜವನ ಬಾರಿ ಇರ್ದುದೆ?

ಈ) ಕೆಳಗಿನ ಸಾಲುಗಳಲ್ಲಿ ಎರಡರ ಸಂದರ್ಭ – ಸೂಚಿಸಿ ಸ್ವಾರಸ್ಯವನ್ನು ಬರೆಯಿರಿ **(3×2=6)**

1. ಹೊತ್ತು ಹೊತ್ತೀಗು ಬ್ಯಾನೆ ಕತ್ತೀಲಿ ಕಡಿದಂಗೆ
2. ಸಿರಿವೆರಸು ಶಕ್ತಿಯಿರೆ ಗೊಬ್ಬರವೆ ಪರಿಮಳಂ
3. ನೀನೊಲಿದ ಕಾಯವು ಹೇಗಿದ್ದಡೇನಯ್ಯಾ

ಉ) ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಿಗೆ ವಸ್ತುನಿಷ್ಠ ರೂಪದಲ್ಲಿ ಉತ್ತರಿಸಿ **(1×5=5)**

1. ಕನ್ನಡ ಸಾಹಿತ್ಯದ ಅಶ್ವಿನೀ ದೇವತೆಗಳೆಂದು ಖ್ಯಾತರಾದವರು ಯಾರು?
2. ರಾವಣ ತಂಗಿಯ ಹೆಸರೇನು?
3. 'ಮಲೆಗಳಲ್ಲಿ ಮದುಮಗಳು' ಸಾಹಿತ್ಯದ ಯಾವ ಪ್ರಕಾರಕ್ಕೆ ಸೇರಿದ ಕೃತಿಯಾಗಿದೆ?
4. 'ನಲ್ಮೆ' ಕೃತಿಯನ್ನು ಬರೆದವರು ಯಾರು?
5. ಅಕ್ಕಮಹಾದೇವಿಯ ಜನ್ಮಸ್ಥಳ ಯಾವುದು?

Contd..2

II ಗದ್ಯ ಪ್ರಬಂಧಗಳು

ಅ) ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಲ್ಲಿ ಎರಡನ್ನು ಪ್ರಬಂಧ ರೂಪದಲ್ಲಿ ಉತ್ತರಿಸಿ (10×2=20)

1. ಮಲೆನಾಡಿನ ಸ್ನಾನದ ವೈಶಿಷ್ಟ್ಯವೇನು? ವಿವರಿಸಿ.
2. ವೈಚಾರಿಕತೆಗೆ ಇರುವ ಅಡೆತಡೆಗಳೇನು? ಅವುಗಳನ್ನು ನಿವಾರಿಸುವ ಬಗೆಯನ್ನು ತಿಳಿಸಿ.
3. ಹುಲಿಬೇಟೆಯ ಸಂದರ್ಭದ ಸ್ವಾರಸ್ಯವನ್ನು ಪ್ರಸ್ತುತ ಪಡಿಸಿ.

ಆ) ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಲ್ಲಿ ಒಂದನ್ನು ಟಿಪ್ಪಣಿ ರೂಪದಲ್ಲಿ ಉತ್ತರಿಸಿ (6×1=6)

1. ಖಾಸಗಿ ವಲಯದಲ್ಲಿ ದಲಿತರಿಗೆ ಮೀಸಲಾತಿ ಅನಿವಾರ್ಯವೇ? ಚರ್ಚಿಸಿ.
2. ಕಪ್ಪೆ ಶಾರದೆಯ ವ್ಯಕ್ತಿತ್ವವನ್ನು ಪರಿಚಯಿಸಿ.

ಇ) ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಿಗೆ ವಸ್ತುನಿಷ್ಠ ರೂಪದಲ್ಲಿ ಉತ್ತರಿಸಿ (1×4=4)

1. ಕನ್ನಡದಲ್ಲಿ ಮೊದಲ ಮೃಗಯಾ ಸಾಹಿತಿ ಯಾರು?
2. ದೇವನೂರ ಮಹಾದೇವ ಅವರ ಯಾವ ಕೃತಿಗೆ ಕೇಂದ್ರ ಸಾಹಿತ್ಯ ಅಕಾಡೆಮಿ ಪ್ರಶಸ್ತಿ ಬಂದಿರುತ್ತದೆ?
3. ಎಚ್. ನಾಗವೇಣಿಯವರು ಯಾವ ವಿಷಯದ ಮೇಲೆ ಡಾಕ್ಟರೇಟ್ ಪದವಿಯನ್ನು ಪಡೆದರು?
4. ಡಾ. ಎಚ್. ನರಸಿಂಹಯ್ಯನವರ ಆತ್ಮಕಥನದ ಹೆಸರೇನು?

III ಕಾದಂಬರಿ

ಅ) ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಲ್ಲಿ ಒಂದನ್ನು ಪ್ರಬಂಧ ರೂಪದಲ್ಲಿ ಉತ್ತರಿಸಿ (10×1=10)

1. 'ಬೆಟ್ಟ ಸಾಲು ಮಳೆ' ಕಾದಂಬರಿಯಲ್ಲಿ ಶ್ರೇಣಿಕೃತ ಸಮಾಜದಲ್ಲಿ ಉಂಟಾಗುವ ಶೋಷಣೆ ಹೇಗೆ ಅಭಿವ್ಯಕ್ತಗೊಂಡಿದೆ? ವಿವರಿಸಿ.
2. ಹೊನ್ನ ಕೋಳಿ ಮಾರುವ ಸಂದರ್ಭದ ಸ್ವಾರಸ್ಯವನ್ನು ನಿರೂಪಿಸಿ.

ಆ) ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಲ್ಲಿ ಎರಡನ್ನು ಟಿಪ್ಪಣಿ ರೂಪದಲ್ಲಿ ಉತ್ತರಿಸಿ (3×2=6)

1. ಅಶ್ವತ್ಥ ಆಸ್ಪತ್ರೆ ಸೇರುವಂತಾಗಲು ಕಾರಣವೇನು? ವಿವರಿಸಿ.
2. ಜಾತಿ ಜಾತಿಗಳ ನಡುವಿನ ಕಂದಕವನ್ನು ಒಡೆಯುವ ಹಿನ್ನಲೆಯಾಗಿ ಗಿರಿಜಾಹೊನ್ನರ ಪಾತ್ರವೇನು?
3. ಈರಣ ಮತ್ತು ಪುಟ್ಟಲಕ್ಷ್ಮಿಯ ಮದುವೆಯ ಪ್ರಸ್ತಾವ ಮುರಿದು ಬೀಳುವ ಬಗೆ ಹೇಗೆ?

ಇ) ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಿಗೆ ವಸ್ತು ನಿಷ್ಠ ರೂಪದಲ್ಲಿ ಉತ್ತರಿಸಿ (1×4=4)

1. 'ಅಲೆಗಳು' ಕೃತಿಯನ್ನು ಬರೆದವರು ಯಾರು?
2. ಹೊಂಬನ ತಂದೆಯ ಹೆಸರೇನು?
3. ಹೊನ್ನನ ಸಹಪಾಠಿ ಗೆಳತಿ ಯಾರು?
4. ಕೆ.ಟಿ. ಶೆಟ್ಟಿ ಅಂತ ಪ್ರಸಿದ್ಧರಾದವರು ಯಾರು?

IV ಕ್ರಿಯಾತ್ಮಕ ಕನ್ನಡ

ಅ) ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಲ್ಲಿ ಒಂದನ್ನು ಪ್ರಬಂಧ ರೂಪದಲ್ಲಿ ಉತ್ತರಿಸಿ (7×1=7)

1. ಪತ್ರಿಕಾ ಸಂದರ್ಶನ ಎಂದರೇನು? ಅದರ ತಯಾರಿ ಹೇಗಿರಬೇಕು ವಿವರಿಸಿ.
2. 'ಸಂಪಾದಕರಿಗೆ ಪತ್ರ' ಎಂದರೇನು? ಅದರ ಮಹತ್ವ ಮತ್ತು ಬರೆಯುವಾಗ ಗಮನಿಸಬೇಕಾದ ಅಂಶಗಳನ್ನು ತಿಳಿಸಿ.

ಆ) ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಿಗೆ ವಸ್ತುನಿಷ್ಠ ರೂಪದಲ್ಲಿ ಉತ್ತರಿಸಿ (1×3=3)

1. 'ಇರುವುದೊಂದೇ ಭೂಮಿ'ಯ ಕರ್ತೃ ಯಾರು?
2. 'ನುಡಿ ಚಿತ್ರ'ಕ್ಕೆ ಇಂಗ್ಲೀಷ್‌ನಲ್ಲಿ ಏನೆಂದು ಕರೆಯುತ್ತಾರೆ?
3. 'ಬದುಕು ಬದಲಿಸಬಹುದು' ಇದು ಯಾರ ಅಂಕಣ ಬರಹ?

****

6

(2016 batch onwards)

G 538.3

Reg. No: | | | | | | |

St Aloysius College (Autonomous)

Mangaluru

B.Sc. Semester III – Degree Examination

October - 2018

SANSKRIT

Time: 3 Hours **Max. Marks: 100**

1 *श्लोकत्रयं कर्णाटकभाषया आङ्ग्लभाषया वा टिप्पणीं लिखत ।* **3 X 8 = 24**

1.1 भ्रान्तैः सुतैः परिवृतः तरुणैः सदारैः वृद्धो द्विजो निशिचरानुचरः स एषः ।
व्याघ्रानुसारचकितो वृषभः सधेनुः सन्त्रस्तवत्सक इवाकुलतामुपैति ॥

1.2 सिंहाकृतिः कनकतालसमानबाहुः मध्ये तनुर्गरुडपक्षविलिप्तपक्षः ।
विष्णुर्भवेद् विकसिताम्बुजपत्रनेत्रो नेत्रे ममाहरति बन्धुरिवागतोऽयम् ॥

1.3 यस्त्रिशृङ्गो मम त्वासीन्मनोज्ञो वंशपर्वतः ।
स मध्यशृङ्गभङ्गेन मनस्तपति मे भृशम् ॥

1.4 शिरामुखैः स्यन्दत एव रक्तम् अद्यापि देहे मम मांसमस्ति ।
तृप्तिं न पश्यामि तवापि तावत् किं भक्षणात् त्वं विरतो गरुत्मन्? ॥

1.5 निराधारं धैर्यं कमिव शरणं यातु विनयः
क्षमः क्षान्तिं वोढुं क इह विरता दानपरता ।
हतं सत्यं सत्यं व्रजतु कृपणा क्वाद्य करुणा
जगज्जातं शून्यं त्वयि तनय लोकान्तरगते ॥

2 *द्वयोः संस्कृतभाषया टिप्पणीं लिखत ।* **2 X 6 = 12**

2.1 हिडिम्बा ।

2.2 पाण्डवाः ।

2.3 जीमूतकेतुः ।

3 *द्वयोः कर्णाटकभाषया आङ्ग्लभाषया वा टिप्पणीं लिखत ।* **2 X 6 = 12**

3.1 सूत्रदारः ।

3.2 दशरूपकाणि ।

3.3 भरतवाक्यम् ।

4 *पञ्चानां वाक्यानां सन्दर्भसहितं विवरणं कर्णाटकभाषया आङ्ग्लभाषया वा लिखत ।* **5 X 4 = 20**

4.1 नव इव जलगर्भो लीयमानेन्दुलेखः ।

4.2 बलाबलं परिज्ञाय पुत्रमेकं विसर्जय ।

4.3 मर्षयतु भवान् मर्षयतु । अयं मे प्रकृति दोषः ।

4.4 विचित्राणि हि दैवविलसितानि ।

4.5 अस्मिन् कल्पावसानज्वलनभयकरे वाडवाग्नौ पतामि ।

Contd...2

4.6 सर्वप्राणिवधादेष विरतोऽद्य प्रभृत्यहम् ।

4.7 रत्नानि ते समवलोकय चक्रवर्तिन् ।

5 *द्वयोः कर्णाटकभाषया आङ्ग्लभाषया वा प्रबन्धात्मकं उत्तरं लिखत ।* 2 X 10 = 20

5.1 भासमहाकवेः विषये प्रबन्धं लिखत ।

5.2 मध्यमव्यायोगः– रूपकम् अधिकृत्य पाण्डवमध्यमं चित्रयत ।

5.3 शङ्खचूड– पात्रस्य चित्रणं कुरुत ।

5.4 नागानुकम्पा रूपकभागं सविमर्शं निरूपयत ।

6 *एकम् अलङ्कारं सलक्षणं सोदाहरणं संस्कृतभाषया विवृणुत ।* 1 X 6 = 6

6.1 उत्प्रेक्षा ।

6.2 रूपकम् ।

6.3 अर्थान्तरन्यासः ।

7.1 *एकम् छन्दः सलक्षणं सोदाहरणं संस्कृतभाषया विवृणुत ।* 1 X 6 = 6

7.2 अनुष्टुप् ।

7.3 इन्द्रवज्रा ।

7.3 वसन्ततिलका ।

****

G 139.3/339.3/539.3 (2014 Batch onwards)

Reg. No. | | | | | | |

St Aloysius College (Autonomous)
Mangaluru
B.A./B.Com./B.Sc. Semester III - Degree Examination
October - 2018
KONKANI

Time: 3 Hours **Max. Marks: 100**

I ಅ) ಎಕಾ ವಾಕ್ಯಾನ್ ಜಾಪ್ ಬರಯಾ (1×5=5)

1. ಝುಜ್ ಕೊಣಾ ಮಧೆಂ ಚಲ್ತಾಲೆಂ?
2. ಬಾಂಯ್ ಕಿತ್ಯಾಕ್ ಪುಲ್ಯಾಂ?
3. ಕಾಳ್ಯಾ ಮೊಡಾಂಕ್ ಕವಿ ಕಿತ್ಯಾಕ್ ಸರಿ ಕರ್ತಾ?
4. ರೇಂವ್ ಖಂಯ್ಚ್ಯಾ ಗಾಂವಾಕ್ ಸರಿ ಕೆಲ್ಯಾ?
5. ಕವಿಕ್ ಖಂಯ್ ಪುರ್ಲಾ?

ಆ) ಖಂಚಾಯ್ ದೋನ್ ಸವಲಾಂಕ್ ಜಾಪಿಂ ಬರಯಾ (5×2=10)

6. ಜಿಣೆಂ ಜಿಕ್ತೆಲೆಂ
ಸತ್ ಘುಲ್ತಲೆಂ
7. ಉದ್ಕಾಚ್ಯಾ ಭಾಣಾ ಆನಿಂ ಪೆಜೆಚೆ ಮೊಡ್ಕೆ ಸವೆಂ
ಜಿವಿತ್ ಸಾರುಂಕ್ ಆಯಿಲ್ಲಿ
8. ಗಾಂವ್‌ರೆ ಸೊಡ್ತಾ, ಚಿಂತಾಪ್ ಮ್ಹಜೆಂ
ರೆಂವೆರ್ ಘುಲ್ತಿತ್ ಸಾಳ್ಕಾಂ

ಇ) ಖಂಚಾಯ್ ದೋನ್ ಕವನಾಂಚೆ ಸ್ವಾರಸ್ಯ್ ಬರವ್ನ್ ವಿವರ್ಸಿಯಾ (5×2=10)

9. ಕವಿಕ್ ಖಂಯ್ ಪುರ್ಲಾ ಮ್ಹಣೊನ್ ಕವಿ ಚಾ.ಫ್ರಾ, ದೆ ಕೋಸ್ತ ಮ್ಹಣ್ತಾ? ವಿವರ್ಸಿಯಾ.
10. 'ಕೊಣಾಕ್ ಕಾಂಯ್ ನಾಕಾ' ಕವನಾಚೊ ಆಶಯ್ ಬರಯಾ.
11. ಜಿಣ್ಯೆ ಆನಿಂ ಮರ್ಣಾಂ ಮಧೆಂ ಚಲ್ಚೆಂ ಝುಜ್ ವಿವರ್ಸಿಯಾ.

ಈ) ಖಂಚಾಯ್ ಎಕಾ ಕವನಾಂಚೆ ಸ್ವಾರಸ್ ಬರವ್ನ್ ವಿವರ್ಸಿಯಾ (5×1=5)

12. ಜೊಗಾಸಾಣೆನ್ ಧಾಡ್ಲಿ ಘರಾ
ಉರವ್ನ್ ರುವೆನ್ ರುವಿ
ನಿವೃತ್ ಜಾವುನ್ ಗೆಲ್ಲ್ಯಾ ಘರಾ
ಕಾಳ್ಜಾಕ್ ತೊಪ್ಲಿ ಸುವಿ
13. ಆತಾಂ ತಾರಿಕೆಚೊ ಘುಸ್ಪಡ್ ನಾ
ನಾ ಲೆಕಾಚೊ ಗೊಂದೊಳ್
ಮೆಶಿನಾಚ್ಯೊ ಧೊಶಿ ನಾಂತ್
ಉಲಾ್ಣ ನಶಿಬಾಚೊ ಖೆಳ್

II ಅ) ಎಕಾ ವಾಕ್ಯಾನ್ ಜಾಪ್ ಬರಯಾ (1×6=6)

14. ಲೊಲಿಟಾ ಮಾರ್ಕಾಕ್ ಕಿತೆಂ ಉಚಾರ್ನ್ ಸಾಂಗ್ತಾ?
15. ಕುರಿಯಯ್ಯಾ ಕೋಣ್?
16. ರೂನಿ ಕಸಲ್ಯಾ ವ್ಯಕ್ತಿತ್ವಾಚೊ?
17. ಕೊಣಾಕ್ ಕೋಣ್ ಘರಾ ಪಾಯ್ತಾ?
18. ಲೇಖಕ್ ಎಡ್ವಿನ್ ಜೆ. ಎಫ್. ಡಿ ಸೋಜಾಚಿ ವೊಳೊಕ್ ದಿಯಾ.
19. [illegible] ಕೋಣ್?

ಆ) ಖಂಚಾಯ್ ದೋನ್ ವಾಕ್ಯಾಂಚೆ ಸಂದರ್ಭ್ ಕಳವ್ನ್ ಸ್ವಾರಸ್ಯ್ ಬರಯಾ (5x2=

20. "ಮ್ಹಜೆ ವಯ್ಲಿ ಕಾಲ್ಸ್ ನಿವಾರ್ ದೆವಾ"

21. "ಆಮ್ಗೆರ್ ಆಜ್ ಮ್ಹಜಿ ಗ್ರ್ಯಾನಿ ಆಯ್ಲ್ಯಾ"

22. "ಮಾಮಾ ಪಳೆ .....ಪಳೆ ತುಜ್ಯಾ ನಾರ್ಲಾಂಚ್ಯಾ ಮಾಡಾಕ್ ಕೊಣೆಗೀ ರಂಗ್ ಪುಸ್ಲಾ"

ಇ) ಖಂಚಾಯ್ ಎಕಾ ಸವಾಲಾಕ್ ಜಾಪ್ ಬರಯಾ (5x1=

23. ವಿನಯ್‌ಚ್ಯಾ ಗ್ರ್ಯಾನಿ ಥಂಯ್ ಆಯಿಲ್ಲಿ ಬದ್ಲಾವಣ್ ಆನಿಂ ಹಾಕಾ ಕಾರಣ್ ಕಿತೆಂ? ವಿವರ್ಸಿಯಾ.

24. ಆಮಾಸ್ ಕೋಣ್? ಆನಿಂ ಮಾರಿಗುಡಿ ಸಂಗಿ ಆಸ್ಚೊ ಸಂಬಂಧ್ ಕಳಯಾ.

ಈ) ಖಂಚಾಯ್ ಎಕಾಚೆ ಪಾತ್ರ್ ಚಿತ್ರಣ್ ಕರಾ (4x1=

25. ದೇವನೂರ ಮಹಾದೇವ

26. ಮಾರ್ಕಾಚೆ ವ್ಯಕ್ತಿತ್ವ್

III ಅ) ಎಕಾ ವಾಕ್ಯಾನ್ ಜಾಪ್ ಬರಯಾ: (1x5=

27. ಪೋಸ್ಟ್‌ಮ್ಯಾನ್ ಕಿತೆಂ ಹೌಡ್ನ್ ಆಯಿಲ್ಲೊ?

28. ಟೆಲಿಗ್ರಾಂಚೆ ಸಾರಾಂಶ್ ಕಿತೆಂ?

29. ದುಜೆ ಕೋಣ್?

30. ಕಾರ್ಮಿಣ್ ಬಾಯೆಚೆಂ ವ್ಯಕ್ತಿತ್ವ್ ಬರಯಾ.

31. ಭೋಪಾಲಂತ್ ಜಾಲ್ಲೆಂ ದುರಂತ್ ಕಿತೆಂ?

ಆ) ಖಂಚಾಯ್ ದೋನ್ ವಾಕ್ಯಾಂಚೆ ಸಂದರ್ಭ್ ಕಳವ್ನ್ ಸ್ವಾರಸ್ಯ್ ಬರಯಾ (5x2=

32. "ಹಾಂವ್ ಸಾಂಗ್ತಾಂ ಸತ್ ಖರೆಂಚ್"

33. "ಟೆಲಿಗ್ರಾಮಾಚಾ ನಾತ್ವಾನ್ ಸಗ್ಳ್ಯಾಂಕ್ ಏಕ್ ನವಾಲ್ ಕರ್ನ್ ಸೊಡ್ಲೆಂ"

34. "ತುಜ್ಯೊ ಆಲೋಚನೊ ಹಸ್ತಿಚ್ಯೊ ಆನಿ ಉಗ್ಡಾಸ್ ಗಿರ್ಬುಜೆಚೊ"

ಇ) ಖಂಚಾಯ್ ಎಕಾ ಸವಾಲಾಕ್ ಜಾಪ್ ಬರಯಾ (10x1=

35. ದುಜೆ ಥಾವ್ನ್ ಆಯಿಲ್ಲ್ಯಾ ಟೆಲಿಗ್ರಾಂಚೊ ಸಾರಂಶ್ ಕಿತೆಂ?

36. ದುಜೆ ಕಲಾಸ್ ನಾಟಕಾಚೊ ಸಂದೇಶ್ ಕಿತೆಂ?

IV ಅ) ಎಕಾ ವಾಕ್ಯಾನ್ ಜಾಪ್ ಬರಯಾ: (1x5=

37. ಹುಮಿಣ್ ಮ್ಹಳ್ಯಾರ್ ಕಿತೆಂ?

38. ಹುಮಿಣೆಚೊ ಮಹತ್ವ್ ಕಿತೆಂ?

39. ಖಾಸ್ಗಿ ಪತ್ರಾಂ ಮ್ಹಳ್ಯಾರ್ ಕಿತೆಂ?

40. ವೈವಾಟಿಚ ಪತ್ರ್ ಮ್ಹಳ್ಯಾರ್ ಕಿತೆಂ?

41. ಹುಮಿಣ್ ಜಾನಪದ್ ಪ್ರಕಾರ್ ಗೀ?

ಆ) ತಿನೀ ಸವಾಲಾಂಕ್ ಜಾಪಿ ಬರಯಾ (5x3=

42. 'ವೀಜ್ ಸಕತ್ ಪಾವನಾ' ಮ್ಹಳ್ಳ್ಯಾ ಶೀರ್ಷಿಕಾ ಖಾಲ್ ಸಂಪದಾಕಾಕ್ ಪತ್ರ್ ಬರಯಾ.

43. 'ಕೊಂಕಣ್ ಸಿರಿ' ಪುಸ್ತಕಾಚ್ಯೊ 10 ಪ್ರತಿಯೊ ಜಾಯ್ ಮ್ಹಣ್ ವಿಚಾರ್ನ್ ಕೊಂಕಣಿ ಆಧ್ಯಯನ್ ಕೇಂದ್ರ ಸಾಂ ಲುವಿಸ್ ಮಹಾವಿದ್ಯಾಲಯಕ್ ಪತ್ರ್ ಬರಯಾ.

44. ಖಂಚೊಯ್ ಪಾಂಚ್ ಹುಮಿಣ್ಯೊ ಸೊಡಯಾ.

****

(2016 Batch onwards)

G 140.3 Reg. No. | | | | | | |

St Aloysius College (Autonomous)

Mangaluru

B.A. /B.Sc./B.Com. - Semester III -Degree Examination
October - 2018

ADDITIONAL ENGLISH

Time: 3 hrs. **Max Marks: 100**

UNIT - I

(Short Story and Prose)

I Answer any ONE of the following in about 150 words: **(1x5=5)**

1. What are A.G. Gardiner's views on the custom of shaking hands?
2. How would you describe Okeke's character? Use details from the story to support your answer.

II Answer any TWO of the following in about 250 words each: **(2x10=20)**

1. Explain the ways that the Indians, Chinese and Japanese people greet.
2. Explain the conflicts presented in '*Marriage is a Private Affair*'.
3. Explain the theme of '*Marriage is a Private Affair*'.

UNIT – II

(Poetry)

I Answer the following in about 150 words each: **(4x5=20)**

1. How does the poet depict the struggles of the scholar in '*The Scholar in the Narrow Street*' ?
2. Explain the waiting and anxiousness of the poet to see God in '*The River of Heaven*'.
3. How is the woman depicted in the poem *Pour us Wine*?
4. Who is Osiris? How do the Egyptians worship Osiris?

UNIT – III

(Novel)

I Answer the following in about 150 words each: **(1x5=5)**

1. What is the nature of Clara and Alice's relationship?

II Answer any TWO of the following in about 300 words each: **(2x10=20)**

1. Why does Patrick's father become a dynamiter? How does this influence Patrick's life?
2. What political or social commentary does the novel, *In the Skin of a Lion* make?
3. Describe how the novel *In the Skin of a Lion* illustrate the nature of community and belonging for Patrick and the new immigrants.

Contd...2

G 140.3

UNIT – IV

(Grammar and Vocabulary)

I Write a dialogue of 15 turns on the following: (10)

Two citizens discussing the Swach Bharath Abhiyaan.

II Make sentences on the following: (5x1=5)

1. bear (animal)
2. bear (to withstand)
3. address (to speak)
4. address (location)
5. fair (equitable) or fair (beautiful)

III Do as directed: (5x1=5)

1. All are present. (convert into a negative sentence without changing the meaning of the sentence).
2. Ahmed is taller than Anand. (convert into a negative sentence without changing the meaning of the sentence).
3. St Aloysius College is the best college in Mangaluru. (Change into negative sentence without changing the meaning of the sentence).
4. Twenty five people visited the museum. (Change into interrogative sentence so as to get the underlined words as answers).
5. This question paper is easy to answer. (Change into interrogative sentence so as to get the underlined words as answers).

IV Write a speech of about 100 words on the following: (5)

You are the chief guest at the Talents Fay celebration in your college.

V Fill in the blanks with the correct clichés: (5x1=5)

1. Better late than --------
2. Every cloud has a ---------
3. All is fair in love and ------
4. Opposites ----------
5. All's well that ends ----------

****

9

G 150.3

(2017 Batch Onwards)

Reg. No. : | | | | | | |

St. Aloysius College (Autonomous)

Mangaluru

B.A./B.Sc. /B.Com. - Semester III – Degree Examination

October - 2018

FRENCH

Time: 3 hrs. **Max Marks: 100**

I Mettez les verbes entre parenthèse au conditionnel présent. **1x10=10**

a).Si j'habitais en ville, je (vendre) ..... ma voiture
b).je (prendre) ..... les transports en commun.
c).Nous (vouloir) ..... savoir quand part notre train.
d).S'ils avaient un garçon, ils l'(appeler) ..... Arnaud.
e).Si j'étais riche, je (faire) ..... le tour du monde.
f).Tu as pris du poids. Tu (devoir) ..... faire du sport.
g).S'il avait le choix, il (préférer) ..... partir en vacances.
h).Si j'invitais vos parents, vous (venir) ..... aussi?
I).Si j'étais toi, j'(aller) ..... plus souvent à la mer.
j).(pouvoir) .....vous me prêter votre stylo?

II Lisez le texte et répondez aux questions. **1x10=10**

Les vacances de Léa

Léa passe ses vacances à la mer. Bien sûr, elle n'est pas toute seule, il y a aussi ses parents et Félix, son tigre en peluche. Léa ne peut pas tellement jouer avec Félix, au bord de la mer. Il est tout le temps couvert de sable! Elle ne peut pas non plus l'emmener dans l'eau avec elle. Ça l'abimerait, et il serait plein de bosses. Léa ne peut pas non plus compter sur ses parents pour jouer avec elle. La maman de Léa passe ses journées étendue sur une chaise longue et son papa aussi. Ils ouvrent les yeux seulement quand ils ont besoin du flacon de crème à bronzer. Les parents de Léa ne veulent pas non plus se baigner. Maman a dit que les vagues étaient BEAUCOUP trop hautes. Papa a ajouté que l'eau était BEAUCOUP trop froide. Ensuite il a remis son chapeau sur sa figure, et il s'est rendormi. Au début, Léa s'est ennuyée. Le premier jour, elle s'est construit un château de sable. Et puis encore un autre. Et autour des châteaux, elle a creusé des douves qu'elle a reliées entre elles. C'était un gros travail !

a).Qui est Félix ?
b). Pourquoi Léa ne peut-elle pas se baigner avec Félix ?
c). Que font les parents de Léa ?
d). Pourquoi la maman de Léa ne veut-elle pas se baigner ?
e).Qu'a fait Léa pour s'occuper ?
f).Où passé léa ses vacances?
g).Est-ce que Léa passé toute seule les vacances?
h).avec qui passe-t-elle les vacances?
i).Est-ce que les parents de Léa jouent avec elle?
j).Est-ce que vous aimez la mer?

III Répondez six questions aux choix. **6x10=60**

a).Décrivez la grotte de Lascaux et ses spécialités!
b) Présentez un(e) écrivain français(e)!
c).Que signifie l'école pour vous?
d).Pourquoi faut-il apprendre une langue?

Contd....2

10

(2014 Batch onwards)

G 151.3 Reg. No: | | | | | | |

St Aloysius College (Autonomous)
Mangaluru
B.A./B.Sc./B.Com. Semester III – Degree Examination
October - 2018
MALAYALAM

Time: 3 Hours **Max. Marks: 100**

I രണ്ടെണ്ണം വ്യാഖ്യാനിക്കുക **(2x5 =10)**

1. ആർത്തിരമ്പിടും മഹാസാഹരമദ്ധ്യത്തിങ്കൽ–
പ്പേർത്തുമിങ്ങചഞ്ചല ശാന്തമാം സമുദ്രമോ..
2. ചെറുക്കുന്നെൻ ഗതിയാലെ ചിലർ
മറുത്തുപോകുവാൻ അശക്തയാണു ഞാൻ ...
3. ഞങ്ങടെപ്പാട്ടിനു കൂട്ടു കുടം തുടി
കിണ്ണം തബുരുവോടക്കുഴലും
ഞങ്ങടെപ്പാട്ടിൽത്തേനും പാലും
തെങ്ങിളനീരും നറുമുന്തിരിയും

II രണ്ടെണ്ണത്തിനു കുറിപ്പു തയ്യാറാക്കുക **(2x5=10)**

4. ബൈറയുടെ സവിശേഷത
5. ന്യാസാലാൻറിലെ കാപ്പിരി വിഭാഗം –ഒരു വിവരണം
6. സഹിലിഭാഷയുടെ സവിസേഷത വിലയിരുത്തുക

III രണ്ടെണ്ണത്തിന് മുന്നു പുറത്തിൽ കവിയാതെ ഉത്തരമെഴുതുക **(2x15=30)**

7. 'എൻറെ വേളി' എന്ന കവിതയുടെ വിഭിന്നാർത്ഥ തലങ്ങൾ ചൂണ്ടിക്കാട്ടി
അതിനൊരാസ്വാദനം തയ്യാറാക്കുക.
8. വർത്തമാനകാലസമസ്യകളുമായി കലഹിക്കുന്ന വ്യക്തിത്വമാണ് കാട്ടാറിലൂടെ
കവി അവതരിപ്പിക്കുന്നത്– സമർഥിക്കുക
9. ഓണപ്പാട്ടുകാർ –ഒരാസ്വാദനം ?

I'V രണ്ടെണ്ണത്തിന് മൂന്നുപുറത്തിൽ കുറയാതെ ഉത്തരമെഴുതുക **(2x15=30)**

10 നോയൽ മങ്ക് എന്ന ഇംഗ്ലീഷ് പത്രപ്രവർത്തകൻ ആഫ്രിക്കയിലെ ഇന്ത്യൻ
അധിനിവേശത്തെ വിവരിക്കുന്നതെങ്ങിനെ ?
11. ' ശക്തിയേറിയ ഒരഴകെന്നോ, അഴകേറിയ ഒരു ശക്തിയെന്നോ' ഉള്ള വിശേഷണം
വിക്ടോറിയവെള്ളച്ചാട്ടത്തെക്കുറിച്ച് എത്രത്തോളം അർത്ഥവത്താണെന്ന്
പരിശോധിക്കുക
12. കിഴക്കേആഫ്രിക്കയിലെ ഇന്ത്യക്കാരുടെ ജീവിത രീതികളെക്കുറിച്ചുള്ള
ലേഖകൻറെ വിവരണം ക്രോഡീകരിക്കുക.

V ഒരെണ്ണത്തിന് മൂന്നുപുറത്തിൽ കുറയാതെ ഉത്തരമെഴുതുക **(1x15=15)**

13. 'അപ്പുണ്ണി' എന്ന കഥാപാത്രത്തിൻറെ വളർച്ചയെ നാലുകെട്ട്
എന്ന നോവലിൽ ആവിഷ്കരിച്ചിരിക്കുന്നതെങ്ങിനെ ?
14. നായർത്തറവാടുകളിലെ മരുമക്കത്തായത്തിൻറെ തകർച്ചയുടെ ഒരു
നേർക്കാഴ്ചയാണ് 'നാലുകെട്ട്' എന്ന നോവലിലൂടെ എം.ടി അവതരിപ്പിക്കുന്നത്–
സമർത്ഥിക്കുക.

Contd...2

VI ഒരെണ്ണത്തിന് ആശയം വിശദമാക്കുക (1x5=5)

15. നിത്യാഭാസി ആനയെ പൊക്കും

16. കൊട്ടാരം ചിന്തയാൽ ജാഗരം കൊള്ളുന്നു
കൊച്ചുകുടിൽക്കെത്ര നിദ്രാസുഖം.

****

(2014 Batch Onwards)

G 501.3 Reg. No. : | | | | | | |

St Aloysius College (Autonomous)
Mangaluru
B.Sc. Semester III– Degree Examination
October - 2018
PHYSICS
ACOUSTICS, OPTICS AND NETWORKS

Time: 3 hrs. **Max Marks: 100**

SECTION –A

1. **Answer any TEN of the following.** **(2x10=20)**

a) What are free vibrations of a body?

b) Obtain the relation between phase difference and path difference.

c) Explain why transverse waves cannot be set up in fluids.

d) What is quality factor?

e) What are coherent sources?

f) Why Newton's rings are circular in shape?

g) How is a zone plate constructed?

h) What is a positive crystal? Give an example.

i) Define terms, node and loop.

j) State Millman theorem.

k) What is a two port network?

l) Distinguish between ideal current source and ideal voltage source.

SECTION – B

Answer any TWO full questions from each unit.

UNIT - I

2. a) Give the theory of forced vibrations and obtain the conditions for resonance. **(6)**

b) Derive an expression for simple harmonic oscillations. **(4)**

3. a) Assuming an expression for the velocity of longitudinal waves in a fluid, deduce Newton's formula for the velocity of sound in air and apply Laplace's correction to it. **(6)**

b) Show that the frequencies of vibrations of a rod clamped at the centre will have only odd harmonics. **(4)**

4. a) Derive an expression for the velocity of longitudinal waves in fluids. **(6)**

b) State and explain laws of transverse vibrations in stretched string. **(4)**

UNIT - II

5. a) Derive an expression for fringe width in the case of interference at an air wedge. **(6)**

b) Explain with theory, how refractive index of a liquid can be measured using Newton's rings. **(4)**

6. a) Give the theory of plane diffraction grating for normal incidence. **(6)**

b) Derive an expression for area of half period zones. **(4)**

Contd...2

7. a) Give the Fresnel's theory of optical rotation. (6)

   b) What is half wave plate? Derive an expression for thickness. (4)

UNIT - III

8. a) Explain how an electrical network can be analysed using mesh equations. (6)

   b) State and explain superposition theorem. (4)

9. a) Explain with equations star to delta and delta to star conversions. (6)

   b) State and explain Norton's theorem. (4)

10. a) State Maximum power transfer theorem and prove it in the case of a dc network. (6)

    b) State and explain Thevenin's theorem. (4)

SECTION -C

Answer any <u>FOUR</u> of the following. **(4x5=20)**

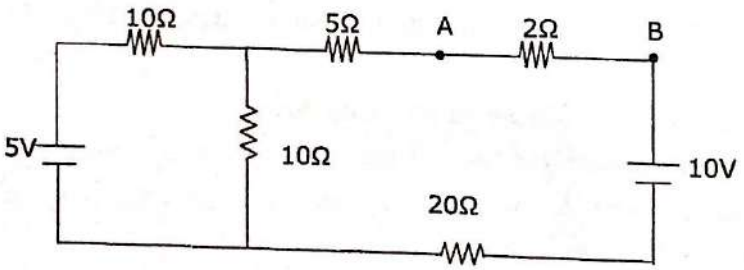
11. Calculate the percentage change in the velocity of sound through air due to change in temperature from 20^0C to 50^0C.

12. A wire of density 7000 Kg m^{-3}, 1m long and 2mm in diameter is stretched by a weight of 10Kg. Calculate the frequency of the 1^{st} overtone.

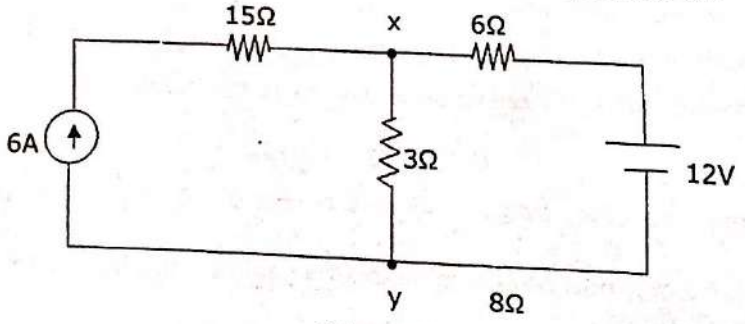
13. The rotation of plane of polarization in a certain substance is 10^0 per cm. Calculate the difference between the refractive indices for the right and left circularly polarized lights in the substance given λ=5893 A^0.

14. In Newton's ring experiment the diameter of 4^{th} and 12^{th} dark rings are $4x10^{-3}$m and $7x10^{-3}$m respectively. Find the diameter of the 20^{th} ring.

15. Using Kirchhoff's mesh analysis, find the current through AB.



16. Using Norton's theorem, find the pd across the branch XY.



****

 12

(2014 batch Onwards)

G 502.3 Reg. No: | | | | | | |

St Aloysius College (Autonomous)

Mangaluru

B.Sc. Semester III – Degree Examination

October - 2018

CHEMISTRY

Time: 3 Hours **Max. Marks: 100**

Instructions: 1. Write the question number and subdivision clearly.
2. Write equations and diagrams wherever necessary.
3. Answer Part – A in the first two pages of the answer book.

PART – A

1. **Answer any TEN of the following questions in 1 to 3 sentences.** **(2x10=20)**

a) Define half-life period with example.
b) Define second order reaction with example.
c) State Van't Hoff's reaction isotherm.
d) Give any two consequences of lanthanide contraction.
e) What is catalytic property of d-block elements?
f) Give any two similarities between actinides and lanthanides.
g) Write the sulphonation reaction of benzene.
h) Draw the structure of phenanthrene.
i) How do you convert benzene to toluene?
j) Give any two applications of DTA.
k) What is thermogravimetry?
l) What is the principle of atomic absorption spectroscopy?

PART – B

2. **Answer any TEN of the following questions in 2 to 5 sentences** **(3x10=30)**

i) Write a note on simple collision theory based on hard sphere model.
ii) Derive Clausius-Clapeyron equation.
iii) Write a note on artificial transmutation of elements.
iv) List out any three dissimilarities between actinides and lanthanides.
v) Explain the separation of lanthanides by ion exchange method.
vi) Write a note on reducing property of d-block elements.
vii) Explain the mechanism of pinacol-pinacolone rearrangement.
viii) Write the nitration and sulphonation reactions of naphthalene.
ix) Explain the mechanism of Reimer-Tiemann reaction.
x) Explain any one type of burner used in flame photometry.
xi) Explain the principle of plasma emission spectroscopy.
xii) Draw the thermogram for TGA, DTA & DTG.

Contd...2

PART – C

Answer any TEN of the following questions **(5x10=50)**

3. What is Natural radioactivity? Explain the characteristics of alpha, beta and gamma rays.
4. Derive the relationship between rate constant and equilibrium constant.
5. Explain the isolation method of determination of order of a reaction.
6. Write a note on chemistry of separation of Np and Pu from Uranium.
7. Explain the ionic radii and magnetic property of lanthanides.
8. Explain the different oxidation states of Fe with example.
9. Write a note on effect of substituent groups on aromatic ring (Benzene).
10. Give the mechanism of Haworth synthesis of Naphthalene.
11. Explain Fries rearrangement with mechanism.
12. Explain the instrumentation of flame photometry.
13. Discuss the applications of Plasma Emission Spectroscopy.
14. Explain the instrumentation of AAS.

****

(2014 Batch onwards)

G 503.3 Reg. No: | | | | | | |

St Aloysius College (Autonomous)

Mangaluru

B.Sc. Semester III – Degree Examination

October - 2018

MATHEMATICS – Paper III

NUMBER THEORY, GROUP THEORY AND MULTIVARIATE CALCULUS

Time: 3 Hours **Max. Marks: 100**

Note: Answer all parts

PART – A

Answer any TEN of the following. **(10×2½=25)**

1. Find the remainder when 2^{50} is divided by 7.
2. Without performing the division determine whether 176521221 is divisible by 9 or 11.
3. Solve the linear congruence $6x \equiv 15 \pmod{21}$.
4. Prove that the intersection of two subgroups of a group G is a subgroup of G.
5. If G is a group and $a \in G$, then prove that

   i) $(a^{-1})^{-1} = a$ ii) $(ab)^{-1} = b^{-1}a^{-1}$.
6. If G is a cyclic group then show that G is abelian.
7. Find the domain of the function $f(x,y) = \dfrac{1}{\sqrt{x^2+y^2-25}}$.
8. Show that $\lim\limits_{(x,y)\to(0,0)} f(x,y)$ does not exists if $f(x,y) = \dfrac{x^2y}{x^4+y^2}$.
9. If $f(x,y) = (x^2+y^2)\tan^{-1}\dfrac{y}{x}$ then find $f_x(x,y)$.
10. If $f(x,y,z) = y^2+z^2-4xz$ find $\nabla f(-2,1,3)$.
11. Find the critical point of the function $f(x,y) = 6x-4y-x^2-2y^2$.
12. Linearize $f(x,y) = x^2-2xy^2$ at $(1,-2)$.
13. Evaluate $\int_0^3\int_0^2 (4-y^2)\,dydx$.
14. Find the area of the region enclosed by one leaf of the rose $r = \sin 3\theta$.
15. Evaluate $\int_0^1\int_0^1\int_{-1}^1 xyz\,dzdydx$.

Contd....2

G 503.3

PART – B

UNIT - I

(3×5=15)

Answer any THREE questions.

1. Prove that $a \equiv b \pmod{n}$ if and only if a and b leave the same remainder when divided by n.
2. If p is a prime and $p \nmid a$, then prove that $a^{p-1} \equiv 1 \pmod{p}$.
3. Prove that the linear congruence $ax \equiv b \pmod{n}$ has a solution if and only if $d \mid b$ where $d = g.c.d(a, n)$. Also if $d \mid b$, prove that the equation has d mutually incongruent solutions modulo n.
4. If $N = a_m 10^m + a_{m-1} 10^{m-1} + \ldots\ldots + a_1 10 + a_0$ is the decimal representation of a positive integer N, $0 \le a_k < 10$ and $S = a_0 + a_1 + a_2 + \ldots\ldots + a_n$ then prove that $9 \mid N$ if and only if $9 \mid S$.
5. Solve the simultaneous linear congruences $x \equiv 2 (mod\, 3)$, $x \equiv 3 \pmod{5}$, $x \equiv 2 \pmod{7}$.

UNIT - II

(3×5=15)

Answer any THREE questions.

1. Let H be a finite subset of a group G such that $ab \in H$, whenever $a \in H$ and $b \in H$. Prove that H is subgroup of G.
2. Prove that for any group G the set $Z = \{x \mid x \in G,\ xa = ax \ \ for\ each\ a \in G\}$ is a subgroup of G.
3. State and prove Lagrange's theorem.
4. Let G be a cyclic group. H be a subgroup of G. Prove that H is cyclic.
5. Prove that an infinite cyclic group has exactly two generators.

UNIT - III

(3×5=15)

Answer any THREE questions

1. If $f(x,y) = \begin{cases} \dfrac{xy(x^2 - y)}{x^2 + y^2} & if\ (x,y) \neq (0,0) \\ 0 & if\ (x,y) = (0,0) \end{cases}$ show that $f_1(0, y) = -y$ for all y.
2. Using $\epsilon - \delta$ definition prove that $\lim\limits_{(x,y) \to (1,3)} (2x + 3y) = 11$
3. If $u = xy + xz + yz$, $x = r\cos t$, $z = r\sin t$ find $\dfrac{\partial u}{\partial t}$ using chain rule.
4. Given $f(x,y) = e^x \sin y + \ln xy$ find $D_{11} f(x,y)$ and $\dfrac{\partial^3 f}{\partial x \partial y^2}$.
5. Show that $f(x,y) = e^x \sin y + e^y \cos x$ satisfies $f_{xx} + f_{yy} = 0$.

Contd....3

UNIT - IV

Answer any THREE questions **(3×5=15)**

1. Find the equation of the tangent plane to the elliptic paraboloid $4x^2 + y^2 - 16z = 0$ at the point $(2, 4, 2)$. Hence find the symmetric equations of the normal line.
2. If $f(x, y, z) = 3x^2 + xy - 2y^2 + yz + z^2$ find the rate of change of $f(x, y, z)$ at $(1, -2, -1)$ in the direction of the vector $2i - 2j - k$. Also find the gradient of f at $(1, -2, -1)$.
3. The planes $x + y + z = 1$ cuts the cylinder $x^2 + y^2 = 1$ in an ellipse. Find the points on the ellipse that lie closest to and farthest from the origin.
4. A delivery company accepts only rectangular boxes, the sum of whose length and girth doesnot exceed 108 inches. Find the dimensions of the acceptable box of largest volume.
5. Find the points on the ellipse $x^2 + 2y^2 = 1$ where $f(x, y) = xy$ as its extreme values.

UNIT - V

Answer any THREE questions **(3×5=15)**

1. Find an approximate value of the double integral $\iint_R (2x^2 - 3y)\,dA$, where R is the rectangular region having vertices $(-1, 1)$ and $(2, 3)$. Take a partition of R formed by the lines $x = 0$, $x = 1$ and $y = 2$ and take (ζ_i, γ_i) at the centre of the i^{th} subregion.
2. Find the surface area of the paraboloid $z = x^2 + y^2$ below the plane $z = 4$.
3. Find the volume of the solid under the plane $z = 4x$ and above the circle $x^2 + y^2 = 16$ in the xy plane using double integration.
4. Evaluate $\int_0^1 \int_0^x \int_0^{x+y} (x + y + z)\,dz\,dy\,dx$.
5. Find by triple integration the volume of the solid that lies above the xy plane bounded by the elliptic paraboloid $z = x^2 + 4y^2$ and the cylinder $x^2 + 4y^2 = 4$.

****

15

(2015 Batch onwards)

G 504.3 Reg. No. | | | | | | |

St Aloysius College (Autonomous)
Mangaluru

B.Sc. Semester III – Degree Examination

October – 2018

ELECTRONICS

Linear Integrated Circuits and Applications, Sequential Logic Circuits and Logic Families

Note: This question paper has three sections. Section A , Section B and Section C. Answer all sections.

Time: 3 hrs. **Max Marks: 100**

SECTION – A

1. Choose the correct answer from the choices given at the end of each question and write the correct answer. **(12x1=12)**

i) CMRR of an ideal op-amp is -----
a) zero b) 90 dB c) 100 d) infinity

ii) Butterworth filter has ------ stop band and ----- pass band
a) Flat, ripple b) Ripple, flat c) Ripple, ripple d) Flat, flat

iii) The integrator gives ----- wave output for a
a) Square b) Sine c) Triangular d) Ramp

iv) Input is applied to ----- pin of 555 timer IC
a) discharge b) reset c) trigger d) control voltage

v) A basic comparator is ---------.
a) analog to digital converter b) uses negative feedback
c) uses both positive and negative feedback d) does not use feed back

vi) A CMOS logic gate consists of ---------
a) only NMOS FET's b) only PMOS FET's
c) PMOS and NMOS FET's d) VMOS FET's

vii) -------logic family has minimum power dissipation.
a) ECL b) TTL c) CMOS d) RTL

viii) A mod-8 counter uses -------- flipflops.
a) 3 b) 8 c) 16 d) 2

ix) With negative feedback, the voltage gain of the amplifier ----------
a) becomes unstable b) increases c) remains constant d) decreases

x) The output voltage of an open loop inverting amplifier with gain 10^5 for an input of 2V is --------- (Given $V_{sat} = \pm 10V$).
a) -20V b) +20V c) -10V d) +10V

xi) A phase shift oscillator uses --------R-C sections in the feedback network.
a) 3 b) 2 c) 1 d) 4

xii) The output voltage of a non-inverting averager with inputs +8V and -3V is ----
a) +5V b) -2.5V c) +2.5V d) -5V

2. Answer any <u>TEN</u> questions. **(10x1=10)**

i) Write any one advantage of IC.

ii) Define input offset voltage of an op-amp.

Contd...2

iii) Write any one disadvantage of ripple counter over synchronous counter.

iv) Define 'fan in' with reference to logic families.

v) What is meant by toggling?

vi) Mention any one advantage of active filters over passive filters.

vii) Expand ECL.

viii) Mention the expression for the frequency of oscillations of Wein-bridge oscillator.

ix) Draw the circuit of zero crossing detector.

x) Define slew rate of an op-amp.

xi) Draw the circuit of an op-amp inverter.

xii) Draw the symbol of operational amplifier.

3. Answer any TEN questions. **(10x2=20)**

i) An amplifier has a gain 90 without feedback. With negative feedback, the gain changes to 75. Calculate the feedback factor.

ii) Define the terms i) accuracy and ii) speed with respect to comparators.

iii) Write the principles of ion implantation.

iv) Write any two differences between NMOS and CMOS.

v) Define slew rate and CMRR of an op-amp.

vi) Write the pin diagram of IC 555.

vii) What is meant by epitaxial layer? Explain.

viii) Draw the circuit diagram of summing amplifier as an adder.

ix) Calculate the output of an inverting adder with inputs +8v, +9v, -7v. Given $V_{sat} = \pm 10V$, $R_1 = R_2 = R_3 = 10k\Omega$, $R_F = 10k\Omega$.

x) What is meant by address register?

xi) What is the function of arithmetic operation?

xii) State the conditions for sustained oscillations.

SECTION – B

4. Answer any SEVEN questions. **(7x4=28)**

i) Differentiate between monolithic and hybrid IC.

ii) Write any four characteristics of an ideal op-amp. List their values corresponding to practical op-amp.

iii) The differential gain of an op-amp is 200. For a common mode input of 4V, the output of the op-amp is 0.2V. Calculate CMRR in dB.

iv) Obtain an expression for the output resistance of voltage shunt feed back amplifier using op-amp.

v) Design a Wein bridge oscillator to get frequency of oscillations 10 kHz. Choose C=0.02 μF.

vi) Draw the circuit diagram of differential amplifier using op-amp and expressi0n for its voltage gain.

vii) Explain the fabrication of a diode in integrated circuit.

Contd...3

viii) Explain the operation of serial load shift register using D-flip flop.

ix) Write a note on micro operations used in register transfer logic.

x) With circuit diagram explain the action of ECL OR/NOR circuit.

SECTION – C

Answer any THREE full questions. **(10x3=30)**

5. a) With circuit diagram explain the working of an astable multivibrator using IC 555. Give the expression for its output frequency. **(6)**

b) With necessary circuit diagram explain non inverting summing amplifier suing op-amp. Derive the expression for its output voltage. **(4)**

6. a) With circuit diagram explain inverting Schmitt trigger and give the expressions for its UTP and LTP. **(6)**

b) In a 3 input summing amplifier using op-amp in inverting configuration, $V_1 = 2V$, $V_2 = -1V$ and $V_3 = -3V$. Calculate the output voltage if all the resistors used are identical. **(4)**

7. a) Draw the circuit of voltage series feedback amplifier using an op-amp and obtain the expression for its closed loop voltage gain. **(6)**

b) With a circuit diagram, explain the action of a phase shift oscillator. **(4)**

8. a) Explain the operation of CMOS NAND gate. **(6)**

b) Explain Totem pole (TTL) output NAND gate. **(4)**

****

(2015 batch onwards)

G 505.3 Reg. No.

St Aloysius College (Autonomous)
Mangaluru
B.Sc Semester III – Degree Examination
October- 2018
COMPUTER SCIENCE
Data Structures using C

Time: 3 hrs. **Max Marks: 100**

PART–A

Answer any TEN of the following: **(10x2=20)**

1. a) Define data structures. List the different types of data structure.
   b) What is the difference between stack and queue?
   c) How do you calculate the address of a one dimensional array element?
   d) Explain the structure of a single node in a doubly linked list.
   e) What are the advantages of linked list?
   f) Differentiate between terminal nodes and non-terminal nodes.
   g) Write the time complexity of Quicksort algorithm.
   h) Define the term DQueue.
   i) Define strictly binary tree. Give an example.
   j) Define complete and labeled graph.
   k) Write the expression for the total number of comparisons in bubble sort for a list of n numbers.
   l) What is a heap? Give example.

PART–B

Answer any ONE full question from each unit.

Unit I

2. a) Write an algorithm for inserting and removing an element from a queue. **(5)**
   b) Write the algorithm to convert an infix expression to postfix expression. **(5)**
   c) What is priority queue? How does it differs from an ordinary queue? Explain. **(5)**
   d) Write a recursive function to find the sum of elements in an array. **(5)**

3. a) Write the algorithm to implement PUSH and POP operations. **(5)**
   b) Evaluate the following postfix expressions. **(5)**
      i) AB-C+DEF-+Λ
      ii) ABCDE-+ Λ*EF*-
      Where A=6, B=5, C=4, D=3, E=2, F=1.
   c) Explain how to represent two dimensional array in memory. **(4)**
   d) Write algorithms to insert and delete elements from a circular queue. **(6)**

Unit II

4. a) What is a circular linked list? Write the algorithm to insert and delete element into the beginning of a circular linked list. **(8)**
   b) Write algorithm to implement stack using linked list. **(7)**
   c) Write and explain the algorithm to search for an element in a linked list. **(5)**

Contd...2

5. a) Explain any three types of linked lists with neat diagrams. (6)

b) Write and explain the algorithm to delete a node from a specified position in a single linked list. (5)

c) Write algorithm to implement queue using linked list. (6)

d) Write a note on doubly linked list. (3)

Unit III

6. a) With a neat diagram explain the linked storage representation of a binary tree. (5)

b) Explain the terms 'directed graph' and undirected graph. Illustrate with suitable examples. (5)

c) Construct binary tree where inorder and preorder traversals are as follows (6)

Inorder : GDHBAEICF

Freorder: ABDGHCEIF

Also write the post order traversal.

d) Write a note on applications of a binary tree. (4)

7.a) Explain the different traversal algorithms on a binary tree with example. (7)

b) Explain Breadth search traversal methods for a graph with example. (8)

c) Define the terms: (5)

i) node ii) siblings iii) degree of a node iv) path v) level

Unit IV

8.a) Explain binary search technique with its algorithm. (5)

b) Sort the following numbers using merge sort method (5)

18, 22,12,26, 72, 16, 5,3,6,11,10,7

c) What is sorting? Explain the quick sort algorithm. (6)

d) Write a recursive algorithm to tranverse binary tree using inorder and post order methods. (4)

9.a) Explain selection sort method. Trace the algorithm for the following set of data: (6)

67, 23, 7, 76, 20, 15, 38, 30, 55, 3

b) Write and explain sequential search algorithm. (5)

c) Write an algorithm to sort numbers using bubble sort. Also trace the algorithm using one example. (6)

d) Write a note on efficiency of algorithms. (3)

****

(2016 batch onwards)

G 506.3 Reg. No. | | | | | | |

St Aloysius College (Autonomous)
Mangaluru
B.Sc. Semester III – Degree Examination
October - 2018
STATISTICS
Statistical Inference - I

Time: 3 hrs. **Max Marks: 100**

Note: Answer all parts

PART – A

I Answer any TWELVE of the following. **(2×12=24)**

a) Define sampling distribution of a statistics and its standard error.

b) Write the p.d.f of a chi-square distribution with n degrees of freedom.

c) Mention any two properities of students t-distribution.

d) Explain the meaning of order statistics.

e) State Markov's inequality.

f) State central limit theorem.

g) Distinguish between an estimator and an estimate.

h) Define unbiased estimator and asymptotic unbiased estimator.

i) Define a sufficient estimator and state one properties.

j) State Fisher-Neyman criteria for sufficient estimator.

k) State any two properties of moment estimators.

l) Find the moment estimator of the parameter in a Bernoullie distribution.

m) Find the moment estimator of the parameter θ in $f(x\theta) = \theta.e^{-\theta x}, x \geq 0, \theta > 0$.

n) Define confidence interval for the parameter in a distribution.

o) Write a note on confidence coefficient.

PART – B

Answer any <u>SIX</u> of the following. **(6×6=36)**

2. Find the mean of a chi-square distribution with n degrees of freedom.

3. If $X \sim N(\mu, \sigma^2)$ and $Y \sim \chi^2_n$ identify the distribution of $Z = \left(\frac{X-\mu}{\sigma} / \sqrt{\frac{\chi^2}{n}}\right)$.

4. Find the Mode of a F-distribution.

5. Derive the p.d.f of first order statisitics in a distribution with p.d.f f(x).

Contd...2

6. State and prove Techebycheve's inequality.
7. Obtain a sufficient estimator for the parameter in a Poisson distribution.
8. Show that in sampling from a normal distribution sample mean is more efficient than sample median.
9. Define maximum likehood estimator of a parameter and state its properties.
10. Derive 100(1-α)% confidence interval for the mean of a normal population with mean μ and known variance σ^2.

PART – C

Answer any FOUR of the following. **(10×4=40)**

11. Derive the p.d.f of a students t-distribution. **(10)**

12. Find the variance of a F-distribution. **(10)**

13. a) If $P[X_K = \pm 2^k] = \frac{1}{2}$, examine whether WLLN holds for the sequence $\{X_k\}$ of i.i.d. random variables. **(5)**

    b) Let $X_1, X_2, \ldots X_n$ be i.i.d Bernoullie random variables with parameter p, examine whether C.L.T holds for $\{X_K\}$ **(5)**

14. Obtain the moment estimators of the parameters in $f(x) = \frac{\alpha^p}{\Gamma_p} e^{-\alpha x} x^{p-1}, x \geq 0, \alpha > 0\ p > 0$. **(10)**

15. Find the maximum likelihood estimators of the parameters in a normal distribution. **(10)**

16. a) Derive 100(1-α)% confidence interval for difference of means of two independent normal populations. **(5)**

    b) Obtain 100(1-α)% confidence interval for the proportion using large samples. **(5)**

****

(2014 batch onwards)

G 507.3 Reg. No. | | | | | | |

St Aloysius College (Autonomous)
Mangaluru

B.Sc. Semester III – Degree Examination

October - 2018

BOTANY

Biodiversity III, Morphology and Embryology of Angiosperms

Time: 3 hrs. **Max Marks: 100**

Note: i) Answer all the sections
ii) Draw the diagrams wherever necessary

SECTION – A

I. Answer any TEN of the following in a few sentences each. (10×2=20)

1. What is a solenostele? Give an example.
2. Define mixed sorus. Give one example.
3. What is a spur? Where it is found?
4. Write any four features of Gnetopsida.
5. Write the features of eusporangiate sporangium.
6. What is a coralloid root? Mention its significance.
7. What is an imbricate aestivation? Mention the types.
8. What is an ochreate stipule? Give an example.
9. What are pneumatophores? Mention their significance.
10. What is dichogamy? Mention its types.
11. Name the layers of seed coat.
12. What is double fertilization? Mention its significance.

SECTION – B

II. Answer any SIX of the following: (6 x 5=30)

1. Explain the internal and external structure of synangium of *Psilotum*. Mention the morphological views.
2. Describe the organization of strobili in *Selaginella* species.
3. Explain the anomalous secondary growth of stem in *Gnetum*.
4. Give an account of micro and megisporophylls of *Cycas*.
5. Explain any five types of corolla with suitable examples.
6. Describe any five types of aerial stem modifications.
7. Draw a labeled diagram of mature Anther T.S
8. Describe the Piston and Lever mechanisms.

Contd....2

SECTION – C

III. Answer any FIVE of the following: **(5 x 10=50)**

1. What is sporocarp? Explain its external and internal structure.
2. Describe the young and old female cones of *Pinus*. Add a note on its ovule structure.
3. Write short note on the following
   a) *Rhynia* sporophyte
   b) Rhizophore and its morphological views
4. Explain the following with an example for each.
   a)Drupe b) Syconus c) Cremocarp
   d) Siliqua e) Follicle
5. Explain any five types of racemose infloresecence with suitable diagrams and examples.
6. Explain the characteristic features of anemophilous and entomophilous flowers.
7. Write short note on
   a)Apomixis b) Apospory c) Winged microspores
   d) Pavement tissue e) Male flower of *Gnetum*
8. Explain the structure of an Angiosperm ovule with a labeled diagram. Add a note on its types.

****

20

(2014 Batch onwards)

G 508.3

Reg. No.: | | | | | | |

St Aloysius College (Autonomous)
Mangaluru
B.Sc. Semester III – Degree Examination
October - 2018
ZOOLOGY
COMPARATIVE ANATOMY AND ANIMAL PHYSIOLOGY

Time: 3Hours. **Max Marks: 100**

Note: i) Answer any TEN questions from PART A and ONE FULL question from each unit of PART B.
ii) Draw diagrams wherever necessary.

PART –A

I Answer any TEN of the following. **(10X2=20)**

a) Define biradial symmetry. Give an example.
b) What is a metanephric kidney? Give two examples.
c) Name the heart chambers of fishes and amphibians.
d) Write a note on Kwashiorkor.
e) Which are the factors that help to maintain homeostasis?
f) What is Bohr's effect?
g) Write the differences between neurogenic heart and myogenic heart with examples.
h) What is ammonotelism? Give two examples for ammonotelic organisms.
i) Define sliding-filament theory.
j) What is gigantism? Mention its symptoms.
k) What are thermoreceptors? Give two examples.
l) What are synapses? Mention the types.

PART – B

Select ONE full question from each unit.

Unit I

II a) Give a comparative account on different vertebrate brains that you have studied. Write its evolutionary significance. **(10)**
b) Explain the different types of body plans in animals with suitable examples. **(5)**
c) Explain briefly the structure of a mesonephric kidney. **(5)**

OR

III a) Compare the heart and aortic arches in fishes, amphibians, reptiles and mammals. **(10)**
b) How anatomically and functionally metanephric kidney is different from others. **(5)**
c) Write the differences between radial symmetry and bilateral symmetry. Give two animal examples for each. **(5)**

Unit II

IV a) Define homeostasis. Explain the regulation of blood glucose level with suitable illustration. **(10)**
b) Write a note on occupation related lung diseases. **(5)**
c) Explain carbohydrate digestion in man. **(5)**

OR

Contd...2

G 508.3

V a) With reference to respiration, explain the transport of CO_2 using suitable illustration. (10)

b) Explain mechanical digestion in humans. (5)

c) What is external respiration? Explain. (5)

Unit III

VI a) Write an essay on composition of human blood. (10)

b) Write a short note on i) Gout ii) Renal calculi (5)

c) Explain chemical changes during muscle contraction. (5)

OR

VII a) With the help of neat labeled diagrams, explain the ultrastructure of a striated muscle. (10)

b) Define utlrafiltration. Explain the process of formation of primary urine. (5)

c) Explain the different steps of a cardiac cycle. (5)

Unit IV

VIII a) Describe the structure of human ear with a neat labeled diagram. (10)

b) Give an account on chemical transmitters in vertebrates. (5)

c) Explain the role of hypothalamus in endocrine system. (5)

OR

IX a) Name the hormones secreted by adrenal glands. Write their functions. (10)

b) Explain the structure and functions of Ampullae of Lorenzini. (5)

c) Explain the structure of a multipolar neuron. (5)

****

(2014 Batch Onwards)

G 509.3 Reg. No.: | | | | | | |

St Aloysius College (Autonomous)
Mangaluru
B.Sc. Semester III – Degree Examination
October - 2018
MICROBIOLOGY
MICROBIAL PHYSIOLOGY AND METABOLISM

Time: 3Hours. **Max Marks: 100**

Instructions: Answer PART A AND B AND C

Draw Diagrams wherever necessary.

PART – A

1. **Define/Answer any TEN of the following:** **(2x10=20)**

a) Response Regulators
b) Acid Rain
c) Nitrogenase
d) Leghaemoglobin
e) Biofilms
f) Carotenoids
g) Protein Catabolism
h) ATPase
i) Standard Free Energy
j) Chlorophyll
k) Active site
l) Co-enzymes

PART – B

Answer 'a' or 'b' and 'c' is compulsory from each unit. **(15x4=60)**

UNIT -I

2. a) Describe the mechanism of enzyme reactions.

OR

b) Describe the structure and significance of energy rich molecules. **(9)**

c) Write a note on enzyme inhibition. **(6)**

UNIT -II

3. a) Describe the molecular basis of signal transduction in bacteria. Add a note on protein kinases.

OR

b) Describe the Glycolytic pathway. **(9)**

c) Write about mixed acid fermentation. **(6)**

UNIT -III

4. a) Explain the photosynthetic apparatus in prokaryotes.

OR

Contd...2

b) Describe the anoxygenic reactions of photosynthesis in bacteria. (9)

c) Write a note on the oxidation of ammonium and nitrites. (6)

UNIT –IV

5. a) Describe in detail on nitrogen fixation.

OR

b) Explain the Sulphur cycle and write about its significance. (9)

c) Describe green house effect and add a note on global warming. (6)

PART – C

Answer any <u>FOUR</u> of the following. (5x4=20)

6. a) Eutrophication
   b) Allosteric regulation
   c) Antenna pigments
   d) Homo Lactic Acid fermentation
   e) Oxidation-reduction reactions
   f) Microbiologically influenced corrosion

****

22

G 510.3

(2013 batch onwards)

Reg. No: | | | | | | |

St Aloysius College (Autonomous)
Mangaluru
B.Sc. Semester III– Degree Examination
October- 2018
BIOCHEMISTRY
Enzymology

Time: 3 Hours **Max. Marks: 100**

Instructions:
1. **Write the question number and subdivision clearly**
2. **Write equations and diagrams wherever necessary**
3. **Answer Part – A in the first two pages of the answer book**

PART – A

Answer any TEN of the following. **(10×2=20)**

1. a) Define Specific activity of an Enzyme.
   b) What are Coenzymes? Give examples.
   c) Write the L-B equation and expand its terminologies.
   d) What are allosteric enzymes? Give an example.
   e) What is substrate specificity? Give examples.
   f) What is an Isoenzyme? Give example.
   g) Give any two examples for negative modulators.
   h) What is an activation energy?
   i) What are irreversible inhibitors? Give examples.
   j) Define Holoenzyme with an example.
   k) Define units of enzyme activity.
   l) What are Prosthetic groups? Give examples.

PART – B

Answer any SIX of the following **(6×5=30)**

2. Explain the role of NAD^+ and PLP as cofactor in enzyme catalysis.
3. Give an account on application of enzymes in Baking industry
4. Write a note on competitive inhibitors with suitable example.
5. Give an account on any two methods for isolation and purification of enzymes.
6. Explain the factors affecting an enzyme catalyzed reaction.
7. Write a note on physiological significance of Chymotrypsin.
8. Explain the theories on mechanism of action of Enzymes.
9. Explain the salient features of active site in an Enzyme.

PART -C

Answer any FIVE of the following **(5×10=50)**

10. Explain the use of enzymes in diagnosis.
11. Explain the concept of enzyme regulation with suitable example.
12. Explain the nomenclature and classification of enzymes based on IUB with examples.
13. Explain the uncompetitive and non -competitive inhibition and represent them graphically.
14. Give a detailed account on different methods of enzyme immobilization.
15. Explain in brief the mechanism of enzyme catalysis.
16. Explain sigmoidal kinetics of an allosteric enzyme. Add a note on multienzyme complex.

******

G 511.3

(2014 Batch Onwards)

Reg. No. :

St Aloysius College (Autonomous)

Mangaluru

B. Sc. Semester III - Degree Examination

October - 2018

BIOTECHNOLOGY

MICROBIOLOGY AND IMMUNOLOGY

Time: 3 Hours **Max. Marks: 100**

Note: i) Answer all the questions
ii) Draw diagrams wherever necessary

PART – A

I. Answer any TEN of the following: **(10×2=20)**

a) Discuss briefly the contributions of Robert Koch.

b) List the characteristics of culture media.

c) Differential stain.

d) Write brief note on Autotrophs.

e) Viable count.

f) Vegetative method of reproduction.

g) Mention cardinal signs of Inflammation.

h) Organs of immune system.

i) MHC

j) Grave's Disease

k) Differentiate between active and passive immunization.

l) Mention Tumour Antigens

PART – B

Answer any SIX of the following: **(6x5=30)**

2. List out the differences between Prokaryotes and Eukaryotes.
3. Define pure culture. Elaborate on the approaches to obtain pure culture.
4. What is bacterial growth curve? Describe the factors affecting it.
5. With labelled diagram, describe the ultra structure of endospore. Add a note on its formation.
6. Discuss cells of immune system.
7. Describe the principle and applications of Radio immune assay.
8. Discuss the life cycle of malarial parasite.
9. With suitable examples, elaborate the types and application of vaccines.

Contd...2

PART – C

Answer any FIVE of the following: (5x10=50)

10. Define sterilization. Give a detailed account (Principal involved, instruments used) of Physical methods of sterilization.
11. With illustrations, describe the ultra structure of a typical prokaryotic cell.
12. What are antibiotics? Classify the antibiotics based on their mode of action. Provide suitable examples.
13. Give an account of multiplication in DNA viruses.
14. Draw a neat labelled diagram of a typical antibody. Discuss its various parts and add a note on its significance.
15. Describe the principle and various steps involved in ELISA.
16. Discuss the pathophysiology of HIV infection.
17. Define immune therapy. How is used to tackle cancer?

****

(2016 Batch Onwards)

G 110.3/ G 512.3

Reg. No. | | | | | | |

St Aloysius College (Autonomous)
Mangaluru
B.A/B.Sc Semester III – Degree Examination
October - 2018
COMPUTER ANIMATION

Time: 3 hrs. **Max Marks: 100**

SECTION A

1. **Answer any TEN of the following:** **(10x2=20)**
   a) Name any four Video transitions.
   b) Expand MPEG.
   c) What is an adjustment layer?
   d) Describe about premiere sequence.
   e) What are 3GP files?
   f) How to split a layer in after effects?
   g) Name the types of cameras.
   h) What is the use of Rendering?
   i) Define progressive and Interlaced videos.
   j) What are BINs? Describe.
   k) Explain about shape layers.
   l) Which is a Null object?

SECTION – B

Answer any FOUR of the following: **(4x5=20)**

2. Write the steps to create frame freeze video.
3. Explain camera tracking with proper example.
4. Write a note on premiere pro.
5. Discuss the editing process of a debate program.
6. Explain the growth of VFX in India.

SECTION – C

Answer any TWO of the following: **(2x10=20)**

7. Define video edit and explain the principles.
8. Which particle is used to create smoke? Give Example
9. Define HD and SD video. Explain the features.

SECTION – D

Answer any TWO of the following: **(2x20=40)**

10. Write the settings to be done to increase after effects performance.
11. Compare the various visual effects software.
12. Describe the below:
    a) Linear and Non Linear Edit
    b) Cameras in AF.

****

(2016 Batch onwards)

G 513.3 Reg. No. : | | | | | | |

St Aloysius College (Autonomous)
Mangaluru
B.Sc. - SEMESTER III – Degree Examination
October - 2018
ECONOMICS
MONETARY ECONOMICS

Time: 3 hrs. **Max Marks: 100**

PART - A

Answer any FOUR of the following questions in about 10 sentences each. **(4×5=20)**

1. Write a note on near money.
2. What are the uses of index numbers?
3. Write a note on A.T.M.
4. Write a note on money market instruments.
5. Write a note on international capital market.
6. What are the objectives of SEBI?

PART – B

Answer any FOUR of the following questions in about 20 sentences each. **(4×10=40)**

7. Explain the methods of note issue.
8. Write the merits and demerits of flexible exchange rate.
9. What are the different types of banks?
10. Explain the balance sheet of a commercial bank.
11. Explain the various methods of money transfer.
12. Explain the meaning and functions of Euro Bond.

PART – C

Answer any TWO of the following questions in about 50 to 60 sentences each. **(2×20=40)**

13. Define money. Explain its functions.
14. Explain the Purchasing Power Parity theory. What are its criticisms?
15. What is a central bank? Explain the functions of a central bank.
16. Explain the objectives and functions of the I.M.F.

****

(10x2=20)

ಕೆಳಗಿನ ಯಾವುದಾದರೂ ಹತ್ತು ಪ್ರಶ್ನೆಗಳಿಗೆ ತಲಾ ಎರಡು ವಾಕ್ಯದಲ್ಲಿ ಉತ್ತರಿಸಿರಿ.

13. What is gender?
ಸಾಮಾಜಿಕ ಲಿಂಗ ಎಂದರೇನು?

Contd...2

(2007 batch onwards)

G 702.3

Reg. No. | | | | | | |

St Aloysius College (Autonomous)

Mangaluru

B.A./ B.Sc./B.C.A. Semester III – Degree Examination

October - 2018

FOUNDATION COURSE IN GENDER EQUITY AND VALUE EDUCATION

Time: 3 hrs. **Max Marks: 100**

PART – A

GENDER EQUITY

I. Answer any TEN of the following in just one sentence. **(10x1=10)**

ಕೆಳಗಿನ ಯಾವುದಾದರೂ ಹತ್ತು ಪ್ರಶ್ನೆಗಳಿಗೆ ಒಂದು ವಾಕ್ಯದಲ್ಲಿ ಉತ್ತರಿಸಿರಿ.

1. What is gender role?
   ಸಾಮಾಜಿಕ ಲಿಂಗ ಪಾತ್ರವನ್ನು ವ್ಯಾಖ್ಯಾನಿಸಿರಿ.
2. What is gender sensitization.
   ಲಿಂಗ ಸಂವೇದನೆ ಎಂದರೇನು?
3. Define gender bias.
   ಸಾಮಾಜಿಕ ಲಿಂಗ ಪೂರ್ವಾಗ್ರಹವನ್ನು ವ್ಯಾಖ್ಯಾನಿಸಿರಿ.
4. What is sex ratio?
   ಲಿಂಗ ಅನುಪಾತವನ್ನು ವ್ಯಾಖ್ಯಾನಿಸಿರಿ.
5. Expand ILO.
   ಐ.ಎಲ್.ಓ ಎಂಬುದನ್ನು ವಿಸ್ತರಿಸಿ ಬರೆಯಿರಿ.
6. What is Zenana?
   ಜೆನೇನ ಎಂದರೇನು?
7. What is abduction.
   ಅಪಹರಣವೆಂದರೇನು?
8. Mention the different forms of violence against women.
   ಸ್ತ್ರೀಯರ ವಿರುದ್ಧದ ವಿವಿಧ ಹಿಂಸಾಚಾರಗಳನ್ನು ಸೂಚಿಸಿರಿ.
9. What is reproductive health?
   ಸಂತಾನೋತ್ಪತ್ತಿ ಆರೋಗ್ಯ ಎಂದರೇನು?
10. Name two patrons of female education in India.
    ಭಾರತದಲ್ಲಿ ಮಹಿಳೆಯರ ಶಿಕ್ಷಣದ ಎರಡು ಪೋಷಕರನ್ನು ಹೆಸರಿಸಿರಿ.
11. What is Dowry?
    ವರದಕ್ಷಿಣೆ ಎಂದರೇನು?
12. Expand NCW
    ಎನ್.ಸಿ.ಡಬ್ಯು ಎಂಬುದನ್ನು ವಿಸ್ತರಿಸಿರಿ.

II. Answer any TEN of the following questions in about two sentences each. **(10x2=20)**

ಕೆಳಗಿನ ಯಾವುದಾದರೂ ಹತ್ತು ಪ್ರಶ್ನೆಗಳಿಗೆ ತಲಾ ಎರಡು ವಾಕ್ಯದಲ್ಲಿ ಉತ್ತರಿಸಿರಿ.

13. What is gender?
    ಸಾಮಾಜಿಕ ಲಿಂಗ ಎಂದರೇನು?

Contd...2

14. What is femininity?
ಸ್ತ್ರೀತ್ವ/ಸ್ತ್ರೀತನ ಎಂದರೇನು?

15. Define 'patriarchy'.
ಪಿತೃಪ್ರಧಾನತೆಯನ್ನು ವ್ಯಾಖ್ಯಾನಿಸಿರಿ.

16. Expand HIV.
ಎಚ್.ಐ.ವಿ ಎಂಬುದನ್ನು ವಿಸ್ತರಿಸಿ ಬರೆಯಿರಿ.

17. What is honour killing?
ಗೌರವ ಹತ್ಯೆ ಎಂದರೇನು?

18. What is dowry death?
ವರದಕ್ಷಿಣಿ ನಿಧನ ಎಂದರೇನು?

19. What is Immoral trafficking?
ಅನೈತಿಕ ಕಳ್ಳಸಾಗಣಿ ಎಂದರೇನು?

20. What are the offences relating to marriage?
ವಿವಾಹ ಸಂಬಂಧಿತ ಅಪರಾಧಗಳು ಯಾವುವು?

21. What is MTP?
ಎಂ.ಟಿ.ಪಿ ಎಂದರೇನು?

22. What is globalization?
ಜಾಗತೀಕರಣ ಎಂದರೇನು?

23. Define divorce.
ವಿವಾಹ ವಿಚ್ಛೇದನೆಯನ್ನು ವ್ಯಾಖ್ಯಾನಿಸಿರಿ.

24. Mention the two functions of National commission for women.
ರಾಷ್ಟ್ರೀಯ ಮಹಿಳಾ ಆಯೋಜನದ ಎರಡು ಕಾರ್ಯಗಳನ್ನು ಸೂಚಿಸಿರಿ.

III. Answer any <u>FOUR</u> of the following questions in about twenty lines each. **(4x10=40)**
ಕೆಳಗಿನ ಯಾವುದಾದರೂ ನಾಲ್ಕು ಪ್ರಶ್ನೆಗಳಿಗೆ ತಲಾ 20 ವಾಕ್ಯದಲ್ಲಿ ಉತ್ತರಿಸಿರಿ.

25. Explain Matriarchy.
ಮಾತೃಪ್ರಧಾನತೆಯನ್ನು ವಿವರಿಸಿರಿ.

26. Discuss the status of women in India.
ಭಾರತದಲ್ಲಿ ಮಹಿಳೆಯರ ಸ್ಥಾನಮಾನವನ್ನು ಚರ್ಚಿಸಿರಿ.

27. Discuss the factors affecting maternal mortality.
ಮಾತೃ ಮೃತ್ಯುದರವುವಿಕೆ ಕಾರಣವಾಗುವ ಅಂಶಗಳನ್ನು ಚರ್ಚಿಸಿರಿ.

28. Explain the discrimination against girl child in India.
ಹೆಣ್ಣು ಭಾರತದಲ್ಲಿ ಮಕ್ಕಳ ವಿರುದ್ಧ ಪಷಪಾತವನ್ನು ವಿವರಿಸಿರಿ.

29. Discuss the progress of Women's Education in India.
ಭಾರತದಲ್ಲಿ ಮಹಿಳೆಯರ ಶೈಕ್ಷಣಿಕ ಬೆಳವಣಿಗೆಯನ್ನು ಚರ್ಚಿಸಿರಿ.

30. Explain the functions of Karnataka state commission for women.
ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಹಿಳಾ ಆಯೋಜನದ ಕಾರ್ಯಗಳನ್ನು ವಿವರಿಸಿರಿ.

Contd..3

PART – B

(VALUE EDUCATION)

IV. Answer any <u>FOUR</u> questions in about 8-10 sentences. Each question carries <u>FIVE</u> marks: (4x5=20)

ಕೆಳಗಿನ ಯಾವುದಾದರೂ ನಾಲ್ಕು ಪ್ರಶ್ನೆಗಳನ್ನು 8–10 ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿರಿ. ಪ್ರತಿಯೊಂದು ಪ್ರಶ್ನೆಗೂ 5 ಅಂಕಗಳು.

31. Define Human Sexuality. Explain the evoluation of human sexuality with the help of a diagram.

ಮಾನವಿಕ ಲೈಂಗಿಕತೆಯನ್ನು ವ್ಯಾಖ್ಯಾನಿಸಿರಿ. ಇದರ ವಿಕಸನವನ್ನು ರೇಖಾಚಿತ್ರದ ಮೂಲಕ ವಿವರಿಸಿರಿ.

32. Examine the attitudes of various religions towards sex.

ಲೈಂಗಿಕತೆಯ ಬಗೆಗಿನ ವಿವಿಧ ಧರ್ಮದ ಮನೋಭಾವವನ್ನು ಪರೀಶಿಲಿಸಿ ಬರೆಯಿರಿ.

33. Discuss the ways in which HIV-AIDS is spread.

ಎಚ್.ಐ.ವಿ.ಏಡ್ಸ್ ಹರುಡುವ ರೀತಿಗಳನ್ನು ಚರ್ಚಿಸಿ ಬರೆಯಿರಿ.

34. Friends of the heart are friends forever, Do you agree with this statement. State your reasons.

"ಹೃಯಯದ ಸ್ನೇಹಿತರು ಶಾಶ್ವತ ಸ್ನೇಹಿತರು"–ನೀವು ಈ ಹೇಳಿಕೆಯನ್ನು ಒಪ್ಪುವಿರಾ? ಕಾರಣಗಳನ್ನು ಬರೆಯಿರಿ.

35. Explain the four stages of Marriage preparation.

ಮದುವೆಯ ತಯಾರಿಯ .ನಾಲ್ಕು ಹಂತಗಳನ್ನು ವಿವರಿಸಿರಿ.

36. What are the reasons for high birth rate?

ಅಧಿಕ ಜನನ ಪ್ರಮಾಣದ ಕಾರಣಗಳನ್ನು ವಿವರಿಸಿರಿ.

V. Answer any <u>ONE</u> question in about 20 sentences. The Question carries 10 marks: (1x10=10)

ಕೆಳಗಿನ ಯಾವುದಾದರೂ ಒಂದು ಪ್ರಶ್ನೆಯನ್ನು 20 ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿರಿ. ಪ್ರಶ್ನೆಗೆ 10 ಅಂಕಗಳು.

37. Discuss the ten important elements in a healthy marriage relationship.

ಆರೋಗ್ಯತರ ಮದುವೆ ಸಂಬಧದ ಹತ್ತು ಮುಖ್ಯವಾದ ಅಂಶಗಳನ್ನು ಚರ್ಚಿಸಿ ಬರೆಯಿರಿ.

38. Explain the benefits of breast feeding.

ಸ್ತನ್ಯಪಾನದ ಲಾಭಗಳನ್ನು ವಿವರಿಸಿರಿ.

****

PART – B

(VALUE EDUCATION)

IV. Answer any FOUR questions in about 8-10 sentences. Each question carries FIVE marks: **(4x5=20)**

ಕೆಳಗಿನ ಯಾವುದಾದರೂ ನಾಲ್ಕು ಪ್ರಶ್ನೆಗಳನ್ನು 8–10 ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿರಿ. ಪ್ರತಿಯೊಂದು ಪ್ರಶ್ನೆಗೂ 5 ಅಂಕಗಳು.

31. Define Human Sexuality. Explain the evoluation of human sexuality with the help of a diagram.

ಮಾನವಿಕ ಲೈಂಗಿಕತೆಯನ್ನು ವ್ಯಾಖ್ಯಾನಿಸಿರಿ. ಇದರ ವಿಕಸನವನ್ನು ರೇಖಾಚಿತ್ರದ ಮೂಲಕ ವಿವರಿಸಿರಿ.

32. Examine the attitudes of various religions towards sex.

ಲೈಂಗಿಕತೆಯ ಬಗೆಗಿನ ವಿವಿಧ ಧರ್ಮದ ಮನೋಭಾವವನ್ನು ಪರೀಶಿಲಿಸಿ ಬರೆಯಿರಿ.

33. Discuss the ways in which HIV-AIDS is spread.

ಎಚ್.ಐ.ವಿ.ಏಡ್ಸ್ ಹರಡುವ ರೀತಿಗಳನ್ನು ಚರ್ಚಿಸಿ ಬರೆಯಿರಿ.

34. Friends of the heart are friends forever, Do you agree with this statement. State your reasons.

"ಹೃಯಯದ ಸ್ನೇಹಿತರು ಶಾಶ್ವತ ಸ್ನೇಹಿತರು"–ನೀವು ಈ ಹೇಳಿಕೆಯನ್ನು ಒಪ್ಪುವಿರಾ? ಕಾರಣಗಳನ್ನು ಬರೆಯಿರಿ.

35. Explain the four stages of Marriage preparation.

ಮದುವೆಯ ತಯಾರಿಯ .ನಾಲ್ಕು ಹಂತಗಳನ್ನು ವಿವರಿಸಿರಿ.

36. What are the reasons for high birth rate?

ಅಧಿಕ ಜನನ ಪ್ರಮಾಣದ ಕಾರಣಗಳನ್ನು ವಿವರಿಸಿರಿ.

V. Answer any ONE question in about 20 sentences. The Question carries 10 marks: **(1x10=10)**

ಕೆಳಗಿನ ಯಾವುದಾದರೂ ಒಂದು ಪ್ರಶ್ನೆಯನ್ನು 20 ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿರಿ. ಪ್ರಶ್ನೆಗೆ 10 ಅಂಕಗಳು.

37. Discuss the ten important elements in a healthy marriage relationship.

ಆರೋಗ್ಯತರ ಮದುವೆ ಸಂಬಧದ ಹತ್ತು ಮುಖ್ಯವಾದ ಅಂಶಗಳನ್ನು ಚರ್ಚಿಸಿ ಬರೆಯಿರಿ.

38. Explain the benefits of breast feeding.

ಸ್ತನ್ಯಪಾನದ ಲಾಭಗಳನ್ನು ವಿವರಿಸಿರಿ.

****

(2016 Batch Onwards)

G 135.3/535.3/335.3 Reg. No.: | | | | | | |

St Aloysius College (Autonomous)

Mangaluru

B.A./B.Sc./B.Com. Semester III – Degree Examination

OCTOBER - 2019

ENGLISH

Time: 3 hrs. **Max Marks: 100**

UNIT I - PROSE

I A Answer the following in a word, phrase, or sentence each. (5x1=5)

1. What is "Tongue Fu"?
2. Who coined the term "Hurry sickness"?
3. Shobha De's generation called themselves liberated and modern because they were influenced by _____
4. What according to the author is the 'tunnel vision' given to us by technology?
5. How did the Directors son survive the tsunami.

I B Answer any FOUR of the following in about 150 words each. (5x4=20)

1. 'A spoken word flies : you won't catch it'. Substantiate the statement in context to Sam Horn's 'How to Avoid an Argument'.
2. How did the IRS and tall man Cope with negativity?
3. Shobha De states that the new generation has found a perfect compromise when it comes to marrying. Comment.
4. What are the reasons stated by Shobha De as to why her parents marriage worked?
5. Write a note on the havoc caused by the tsunami.
6. What kind of a man do you think the director was? Explain with reference to the prose 'A Town by the Sea'.

UNIT II – POETRY

I A Annotate any TWO of the following in about 150 words each. (2x5=10)

1. "Teach him always
   To have sublime faith in himself
   Because then he will always have
   Sublime faith in Mankind"
2. "Today the world is a little more my own
   No need to remember the pain
   A blue frocked woman caused,
   Throwing words at me like pots and pans".
3. "These are the times of tall men, and short character;
   Steep profits and shallow relationships,
   These are the times of world peace, but domestic warfare,"

Contd...2

I B Answer any TWO of the following in about 150 words each. (2x5=10)

1. "Development of faith is the development of character", explain the following with reference to the poem by Abraham Lincoln.
2. In "The Listeners" Who do you think the traveler is expected to meet? What is his reaction to the phantom listeners?
3. What is the message that is conveyed by the poet His Holiness the Dalai Lama in the poem "The Paradox of our times"?

UNIT III - DRAMA

I A Answer the following in a word, phrase, or a sentence each. (5x1=5)

1. Why does Peter have two Television Sets?
2. Peter's daughters have _____ as pets.
3. The "Vaudeville act" was a form of popular _____ in America in the 1920's (sport, entertainment, cabaret, media)
4. Jerry's landlady is a misanthrope, meaning _____.
   (one who hates women, one who hates dogs, one who loves humankind)
5. Jerry's aunt was "neither given to sin nor the consolations of the bottle" Explain this quote.

I B Answer any TWO of the following in about 200 words each. (2x10=20)

1. The conversation between Peter and Jerry at the beginning of the play dwells on marriage, wife, children, family and pets. Analyze this conversation and comment on the unusual situation.
2. Jerry describes his "everyday" experience in terms of the people he sees at his"four-storey Brownstone rooming-house" and his measly possessions. What picture of life does he give? Explain.
3. Jerry's unusual and complex relationship with the land lady's dog tells us so much about Man- animal relationships and the idea of keeping pets. There is a "Master-slave" relationship between pet dogs and their human owners that is often not acknowledged by the latter. How does Albee deal with this issue in the play?

UNIT IV GRAMMAR AND WRITING SKILLS

I Choose the appropriate word/phrase for the underlined idiom given in the brackets below. (5x1=5)

1. The sports team was _____ when they heard that they were winning the overall championship at the mega sports meet.
2. When Jack started his narration about his holiday adventures and told us about an encounter with some pirates we understood that it was _____.
3. After dropping down the new crockery to bits, the kids had to _____ from their mother.
4. The declaration of a rain holiday turned out to be a _____ for the students who were sick and down with fever.
5. Joan stood by her children through _____ till she saw them succeed in life.

(face the music, thick and thin, on cloud nine, a cock and bull story, blessing in disguise)

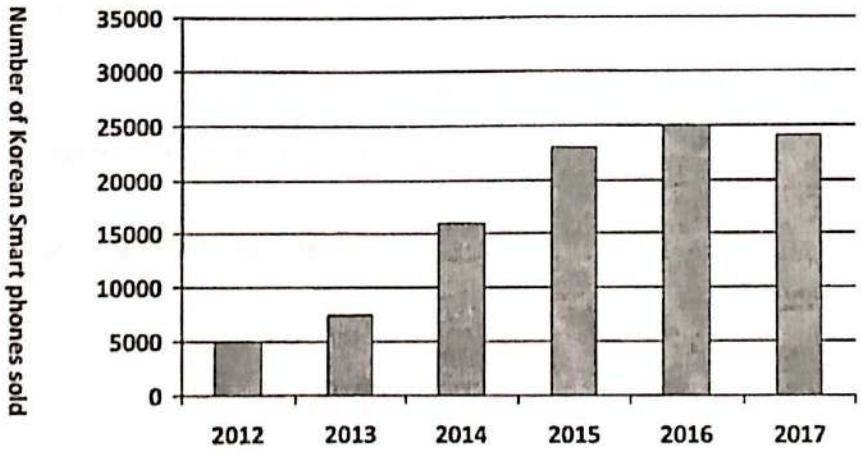
Contd...3

II Fill in the blanks with appropriate binomials. **(5x1=5)**

1. The philosopher travelled far and _____.
2. When the headmaster announced the rules of the quiz he was loud and _____
3. The stray animals are all skin and _____ because they hardly get any food to eat.
4. "The Little prince" is a short and _____ novel.
5. The boarders were sick and _____ of the predictability of the menu in the boarding.

III Write a letter of complaint to the sales manager of Greentree Book Company about the poor quality of paper used in manufacturing the notebooks and the illegible print of the text books. **(5)**

IV The graph below shows the sales of Korean smart phones from 2012-2017 in terms of unit pieces, in the district of Udupi in Karnataka. Write a report describing the information represented below. **(5)**



V Choose appropriate words from the list given below and fill in the blanks to complete the paragraph. **(5x1=5)**

He could not pay back the _____ debt he had accumulated due to his habit of spending _____ on trivial things. His _____ lifestyle was often criticized by some of his closest friends but he didn't really bother about it. It was _____ futile to convince him to change his habit. He was moving _____ close to bankruptcy.

(plump, enormous, brusquely, lavishly, greedy, extravagant, grossly, utterly, cautiously, dangerously)

Contd...4

VI Read the following passage and answer the questions given below in not more than a sentence each:

Curriculum vitae, literally "the course of ones life" or CV, is the term most commonly used in Europe. In the United States, resume is the usual title. Its purpose is to provide sufficient information for prospective employers or-their agents to register interest in you. There are many conventions about CVs around the world. In the USA, a one-page CV is standard, while in continental Europe, Many employers would expect a four or five page CV that includes detailed information on educational achievements and professional qualifications. We live in an age in which we are all increasingly responsible for the development of our own careers. There is no "right way" to create a perfect CV; we are all individuals and our CVs will all be different. Creating a successful CV helps you to identify your uniqueness and guides you through planning, creating and using your CV. Your qualifications and experience are only part of your personal assets.

Your behaviour as an individual is more important to employers than what you know, and they are more interested in what you can do in the future –than what you have done in the past.

Questions: **(5x1=5)**

1) What is a CV?
2) What is the purpose of a CV?
3) How are conventions with regard to CV different in different parts of the world?
4) How does creating a successful CV help any individual?
5) What is more important to prospective employers than ones qualification and experience?

****

(2014 Batch Onwards)

G 136.3/336.3/536.3 Reg. No.: | | | | | | |

St Aloysius College (Autonomous)
Mangaluru
B.A/B.Com./B.Sc. - Semester III - Degree Examination
October – 2019
HINDI

Time: 3 hrs. Max Marks: 100

I. अ. नीचे लिखे अनुच्छेद का अनुवाद अंग्रेजी में कीजिए: (1x6=6)

आधुनिक शिक्षा- पद्धति छात्रों में अनुशासनहीनता का एक प्रमुख कारण है । पुस्तकीय ज्ञान पर आधारित आधुनिक शिक्षा पद्धति छात्र को बेकारों की भीड़ में ले जाकर खड़ा कर देती है । जब उसे नौकरी नहीं मिलती है, तो वह हर प्रकार के अनुशासन को तोड़कर गलत कार्यों में प्रवृत्त हो जाता है । आज के छात्र ही कल एक महान नागरिक होंगे । अत: उन्हें अनुशासन के महत्व को स्वीकार करते हुए अपने और देश के भविष्य के निर्माण की ओर कदम बढ़ाना चाहिए ।

आ. नीचे लिखे अनुच्छेद का अनुवाद हिंदी में कीजिए: (1x6=6)

Nature works with us. She provides the earth which we plough. She grows and ripens the seeds that we saw and reap. She furnishes with the help of human labour, the wool that we spin and the food we eat. And it is never be forgotten that we are clothed with, all that shelters us, from the palace to the cottage, is the result of labour.

इ. किन्हीं चार प्रश्नों का उत्तर लिखिए: (4x2=8)

1. अनुवाद के मुख्य प्रकारों को लिखिए ।
2. अनुवाद के बारे में नाइडा की परिभाषा लिखिए ।
3. अनुवाद प्रक्रिया के तीन चरण लिखिए ।
4. अच्छे अनुवादक के पाँच गुणों को लिखिए ।
5. अनुवाद की परिभाषा की प्रमुख तीन दृष्टियाँ लिखिए ।
6. शब्द-प्रतिशब्द अनुवाद किसे कहते हैं ?
7. स्त्रोतभाषा और लक्ष्यभाषा की अर्थान्तरण की प्रक्रिया को समझाइए ।
8. अनुवाद में बहुज्ञता और विवेकशीलता का क्या महत्व है ?

II.अ. निम्नलिखित अवतरण को ध्यानपूर्वक पढ़िए और संबंधित प्रश्नों का उत्तर लिखिए: (5x2=10)

कविता ही मनुष्य के हृदय को स्वार्थ संबंधो के संकुचित मंडल से ऊपर उठाकर लोक-समाज भावभूमि पर ले जाती है, जहाँ जगत् की नाना गतियों के स्वरूप का साक्षात्कार और शुद्ध अनुभूतियों का संचार होता है, इस भूमि पर पहुँचे हुए मनुष्य को कुछ काल के लिए अपना पता नहीं रहता । वह अपनी सत्ता को लोकसत्ता में लीन किये रहता है । उसकी अनुभूति सबकी होती है । इस अनुभूति और योग के अभ्यास से हमारे मनोविकार का परिष्कार तथा शेष सृष्टि के साथ हमारे रागात्मक संबंध की रक्षा और निर्वाह होता है । इन व्यायाम और परिष्कार को तभी समझा जा सकता है जबकि इनका प्रकृत सामंजस्य जगत् के भिन्न भिन्न रूपों, व्यापारों या तथ्यों के साथ हो जाता है । जिस प्रकार जगत् के अनेक रूपात्मक है, उसी प्रकार हमारा हृदय भी अनेक भावों से भरा है । इन्ही भावों के सूत्र से मनुष्य जाति जगत् के साथ तादात्म्य का अनुभव करती चली आयी है ।

Contd...2

प्रश्न:

1. भावों का व्यायाम कब संभव है ?
2. मनुष्य जाति जगत् के साथ तादात्म्य का अनुभव किसके कारण करती आयी है ?
3. हमारे मनोविकार का परिष्कार कैसे मुमकिन है ?
4. शुद्ध अनुभूतियों का संचार कब होता है ?
5. "अनेक रूपात्मक जगत् की तरह हमारा हृदय अनेक भावों से भरा है" क्यों ?

आ. निम्नलिखित अवतरण का संक्षिप्त रूप लिखकर शीर्षक दीजिए : **(1x5=5)**

1. विज्ञापन करने का प्रधान साधन समाचार पत्र है । इससे विज्ञापन देनेवाले, समाचार पत्रों को निकालनेवाले और सम्बन्धी उपभोक्ताओं को जहाँ लाभ होता है वहाँ उससे कई अधिक लाभ उन व्यक्तियों को होता है जो समाचार पत्रों को पढ़ते हैं । समाचार पत्र में यदि विज्ञापन न आये तो उनका मूल्य बहुत कुछ बढ़ जाता है । जिससे पढ़नेवालों की संख्या निश्चित रूप से भी अधिक महत्व होती है । क्योंकि इससे जनता को बहुत सी वस्तुओं का ज्ञान मिल जाता है । जो उसको पहले मालूम नहीं रही हो । कभी कभी समाचार पत्रों में देखते हैं कि बहुत सी दवाईयों के नुस्के आया करते हैं जिससे यह ज्ञात हो जाता है कि अमुक दवाई में कौन कौन सी वस्तुएँ मिली है ।

इ. निम्नलिखित पारिभाषिक शब्दावली का रूपांतरण हिन्दी में कीजिए : **(5x1=5)**

1. Cabinet
2. Honorarium
3. Negligence
4. Designation
5. Technical

III. अ. एक वाक्य में उत्तर लिखिए : **(6x1=6)**

1. धाय माँ पन्ना के पुत्र का नाम क्या है ?
2. अशोक की बहन का नाम क्या है ?
3. उमा की पढ़ाई सच में कहाँ तक हुई थी ?
4. किसकी निर्दयता एवं क्रूरता से पन्ना धाय ने कुँवर उदयसिंह की रक्षा की ?
5. "मैं भी मानव हूँ" एकांकी किसकी विजय से संबंधित है ?
6. उमा के चेहरे पर क्या देखकर बाप बेटा चौक उठते हैं ?

आ. किसी <u>एक</u> का संदर्भ सहित स्पष्टीकरण दीजिए : **(1x6=6)**

1. "एक बंदी का सिर भी नहीं झुका सके। खोपडी ठुकराने के लिए तो अनेक गीदड श्मशान में घुमा करते हैं, वह पुरूषों का मार्ग नहीं है ।"
2. "खूबसूरती पर टैक्स! मज़ाक नहीं साहब, यह ऐसा टेक्स है जनाब कि देनेवाले चूँ भी नहीं करेंगे।"

इ. किसी <u>एक</u> पात्र का चरित्र चित्रण लिखिए : **(1x6=6)**

1. "रीढ़ की हड्डी" एकांकी का रामस्वरूप ।
2. "सूखी डाली" एकांकी का परेश ।

Contd...3

ई. किसी <u>एक</u> प्रश्न का उत्तर विस्तृत रूप में लिखिए : (1x12=12)

1. "रीढ़ की हड्डी" एकांकी का सारांश विशेषताओं के साथ अपने शब्दों में लिखिए ।
2. "मैं भी मानव हूँ" एकांकी का सार लिखिए ।

IV.अ. एक वाक्य में उत्तर लिखिए : (6x1=6)

1. "बहू की विदा" एकांकी के रचयिता कौन है ?
2. युधिष्ठिर को दुर्योधन कितना समय देने की बात करता है ?
3. बड़ी बहू राधा रामायण के बहाने छुपकर क्या पढ़ती थी ?
4. जीवनलाल की पत्नी का नाम क्या है ?
5. दुर्योधन कहाँ छुपा हुआ था ?
6. वीना अण्डे का हलवा किसे बनाकर देने की बात कहती है ?

आ. किसी <u>एक</u> का संदर्भ सहित स्पष्टीकरण दीजिए : (1x6=6)

1. "चुप रहो तुम! मेरी बेटी को विदा न करके उन्होंने मेरा अपमान किया है । मैं...मैं..."
2. "देखो, हमारी भाभी के लिए कुछ मत कहना । हमारी भाभी देवी की प्रतिमा है, तुम्हारी तरह नहीं हैं ।"

इ. किसी एक पात्र का चरित्र चित्रण लिखिए : (1x6=6)

1. अंडे के छिलके एकांकी की राधा ।
2. "बहू की विदा" एकांकी की कमला ।

ई. किसी <u>एक</u> प्रश्न का उत्तर विस्तृत रूप में लिखिए : (1x12=12)

1. अंडे के छिलके एकांकी का सार लिखिए ।
2. "महाभारत की एक साँझ" एकांकी में एकांकीकार ने दुर्योधन को सुयोधन बनाया है ? स्पष्ट कीजिए ।

****

(2015 batch onwards)

G 537.3 Reg. No. | | | | | | |

ಸಂತ ಅಲೋಶಿಯಸ್ ಕಾಲೇಜು (ಸ್ವಾಯತ್ತ)

ಮಂಗಳೂರು

ಬಿ.ಎಸ್ಸಿ. – ಮೂರನೆಯ ಚತುರ್ಮಾಸ ಅಂತಿಮ ಪರೀಕ್ಷೆ

ಅಕ್ಟೋಬರ್ – 2019

ಕನ್ನಡ ಭಾಷಾ ಪತ್ರಿಕೆ – 3

ಸಮಯ: 3.00 ಘಂಟೆ ಗರಿಷ್ಠ ಅಂಕ: 100

ಕಾವ್ಯ

I ಅ. ಕೆಳಗಿನ ಮೂರು ಪ್ರಶ್ನೆಗಳಲ್ಲಿ ಎರಡನ್ನು ಪ್ರಬಂಧ ರೂಪದಲ್ಲಿ ಉತ್ತರಿಸಿ (10×2=20)

1. 'ಪುಸಿ ದಿಟಕ್ಕೆ ನಿಲ್ಬುದೇ'–ಕಾವ್ಯಭಾಗದ ಶಿವ–ಪಾರ್ವತಿಯರ ಮುಖಾಮುಖಿಯ ಸ್ವಾರಸ್ಯವನ್ನು ವಿವರಿಸಿ
2. ಅಕ್ಕಮಹಾದೇವಿಯ ವಚನಗಳಲ್ಲಿ ಕಂಡುಬರುವ ಆತ್ಮಾವಲೋಕನವನ್ನು ವಿವರಿಸಿ
3. ರಾಮನಿಂದ ಅವಮಾನಿತಳಾಗಿ ಬಂದ ಶೂರ್ಪನಖಿ ರಾವಣನಲ್ಲಿ ಹೇಳಿದ ಮಾತುಗಳಾವುವು? ಅದಕ್ಕೆ ರಾವಣನ ಪ್ರತಿಕ್ರಿಯನ್ನು ತಿಳಿಸಿ

ಆ. ಕೆಳಗಿನ ಎರಡು ಪ್ರಶ್ನೆಗಳಲ್ಲಿ ಒಂದನ್ನು ಟಿಪ್ಪಣಿ ರೂಪದಲ್ಲಿ ಉತ್ತರಿಸಿ (3×1=3)

1. ಬಿ.ಟಿ. ಲಲಿತಾನಾಯಕ್
2. ಬಸವಣ್ಣ

ಇ. ಕೆಳಗಿನ ಎರಡು ಪದ್ಯಗಳಲ್ಲಿ ಒಂದರ ಭಾವಾನುವಾದ – ಸಂದರ್ಭ –ಸ್ವಾರಸ್ಯಗಳನ್ನು ವಿಶ್ಲೇಷಿಸಿ (6×1=6)

1. ಪುಲಿದೊವಲುಡುಗೆಯ ಹಾವಿನ
ನೆಲೆದೊಡಿಗೆಯ ನೊಸಲ ಕಣ್ಣಿ ಖಟ್ವಾಂಗದ ಪಂ
ದಲೆಗಳ ಮಾಲೆಯ ಶೂಲವ
ಕಲಿಗಂಜದೆ ಮನವನೆಂತು ಮಾಡಿದೆ ಮುಗ್ಧೇ ।

2. ತೆರಣಿಯ ಹುಳು ತನ್ನ ಸ್ನೇಹದಿಂದ ಮನೆಯ ಮಾಡಿ
ತನ್ನ ನೂಲು ತನ್ನನೇಸುತ್ತಿ ಸುತ್ತಿ ಸಾವ ತೆರನಲ್ತೆ
ಮನ ಬಂದುದ ಬಯಸಿ ಬೇವುತ್ತಿರುವೆನಯ್ಯಾ
ಆಯ್ಯಾ, ಎನ್ನ ಮನದ ದುರಾಸೆಯ ಮಾಣಿಸಿ
ನಿಮ್ಮತ್ತ ತೋರಾ ಚೆನ್ನ ಮಲ್ಲಿಕಾರ್ಜುನ

ಈ. ಕೆಳಗಿನ ಪದ್ಯದ ಮೂರು ಸಾಲುಗಳಲ್ಲಿ ಎರಡರ ಸಂದರ್ಭ – ಸೂಚಿಸಿ ಸ್ವಾರಸ್ಯವನ್ನು ವಿಶ್ಲೇಷಿಸಿ (3×2=6)

1. ಕುಲವೆ ಸಂಹಾರವಾಗುವ ಕಾಲ ಬಂತು
2. ನಂದನಂ ಮರುಭೂಮಿಯಾದುದಲ್ತೆ
3. ಅನುಭವವು ಸವಿಯಲ್ಲ ಅದರ ನೆನಪೇ ಸವಿಯು

ಉ. ಕೆಳಗಿನ ಎಲ್ಲಾ ಪ್ರಶ್ನೆಗಳಿಗೆ ವಸ್ತುನಿಷ್ಠ ರೂಪದಲ್ಲಿ ಉತ್ತರಿಸಿ (1×5=5)

1. 'ರಗಳೆ ಕವಿ' ಎಂದು ಪ್ರಸಿದ್ಧನಾದ ಕವಿ ಯಾರು?
2. ಅಕ್ಕಮಹಾದೇವಿಯ ವಚನಗಳ ಅಂಕಿತವೇನು?
3. ಕುವೆಂಪುರವರ ಯಾವ ಕೃತಿಗೆ ಜ್ಞಾನಪೀಠ ಪ್ರಶಸ್ತಿ ಲಭಿಸಿದೆ?
4. 'ಮಾದ್ರಿಯ ಚಿತೆ' ಕವನವನ್ನು ಯಾವ ಕವನ ಸಂಕಲನದಿಂದ ಆರಿಸಲಾಗಿದೆ?
5. ರಾವಣನ ಹೆಂಡತಿ ಯಾರು?

Contd..2

ಗದ್ಯ ಪ್ರಬಂಧಗಳು

II ಅ. ಕೆಳಗಿನ ಮೂರು ಪ್ರಶ್ನೆಗಳಲ್ಲಿ ಎರಡನ್ನು ಪ್ರಬಂಧ ರೂಪದಲ್ಲಿ ಉತ್ತರಿಸಿ (10×2=20)

1. ಪ್ರಾಮಾಣಿಕತೆಯ ಬಗೆಗೆ ಡಾ.ಎಚ್.ನರಸಿಂಹಯ್ಯ ಅವರ ಅಭಿಪ್ರಾಯವೇನು? ತಿಳಿಸಿ
2. ಹುಲಿ ಬೇಟೆಯ ಸಂದರ್ಭದ ಸ್ವಾರಸ್ಯವನ್ನು ಬರೆಯಿರಿ
3. 'ಹಳ್ಳಿ ಕಾದಿದೆಯ ಬೋಳ' ಪ್ರಬಂಧದ ಆಶಯವನ್ನು ವಿವರಿಸಿ

ಆ. ಕೆಳಗಿನ ಎರಡು ಪ್ರಶ್ನೆಗಳಲ್ಲಿ ಒಂದನ್ನು ಟಿಪ್ಪಣಿ ರೂಪದಲ್ಲಿ ಉತ್ತರಿಸಿ (6×1=6)

1. ಅಜ್ಜಯ್ಯನ ಅಭ್ಯಂಜನದ ಸ್ವಾರಸ್ಯವನ್ನು ತಿಳಿಸಿ
2. ಹಾಸ್ಟೆಲ್ ಜೀವನದಲ್ಲಿ ಬರಿಹಂಗೆ ಓದುವುದು ಅನಿವಾರ್ಯ ಏಕೆ? ವಿವೇಚಿಸಿ.

ಇ. ಕೆಳಗಿನ ಎಲ್ಲಾ ಪ್ರಶ್ನೆಗೆ ವಸ್ತುನಿಷ್ಠ ರೂಪದಲ್ಲಿ ಉತ್ತರಿಸಿ (1×4=4)

1. ಎಚ್. ನರಸಿಂಹಯ್ಯನವರ ಆತ್ಮಕಥನ ಯಾವುದು?
2. 'ಒಡಲಾಳ' ಯಾರ ಕೃತಿ?
3. ಎಚ್. ನಾಗವೇಣಿಯವರ ಕಾದಂಬರಿಯನ್ನು ಹೆಸರಿಸಿ
4. ಕನ್ನಡದ ಪ್ರಪ್ರಥಮ ವ್ಯಂಗ್ಯ ಸಾಹಿತಿ ಯಾರು?

ಕಾದಂಬರಿ

III ಅ. ಕೆಳಗಿನ ಎರಡು ಪ್ರಶ್ನೆಗಳಲ್ಲಿ ಒಂದನ್ನು ಪ್ರಬಂಧ ರೂಪದಲ್ಲಿ ಉತ್ತರಿಸಿ (10×1=10)

1. ಹಳ್ಳಿಯೊಂದು ಕ್ರಾಂತಿಕಾರಕ ಬದಲಾವಣೆಯತ್ತ ಸಾಗುತ್ತಿರುವ ಚಿತ್ರಣ ಕಾದಂಬರಿಯಲ್ಲಿ ಹೇಗೆ ಮೂಡಿ ಬಂದಿದೆ?
2. ತಿಮ್ಮಕ್ಕನ ಪಾತ್ರವನ್ನು ಪರಿಚಯಿಸಿ

ಆ. ಕೆಳಗಿನ ಮೂರು ಪ್ರಶ್ನೆಗಳಲ್ಲಿ ಎರಡನ್ನು ಟಿಪ್ಪಣಿ ರೂಪದಲ್ಲಿ ಉತ್ತರಿಸಿ (3×2=6)

1. ತಿಪ್ಪ ಶೆಟ್ಟಿಯ ಪಾತ್ರವನ್ನು ಪರಿಚಯಿಸಿ
2. ಚಿಕ್ಕ ಸಿದ್ದಗ ನಡೆದ ಪೋಲೀಸ್ ಕಾರ್ಯಾಚರಣೆಯನ್ನು ತಿಳಿಸಿ
3. ಪುಟ್ಟಲಕ್ಷ್ಮಿಯ ಪಾತ್ರದ ಕುರಿತು ಬರೆಯಿರಿ

ಇ. ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಿಗೆ ವಸ್ತು ನಿಷ್ಠ ರೂಪದಲ್ಲಿ ಉತ್ತರಿಸಿ (1×4=4)

1. 'ಬೆಟ್ಟ ಸಾಲು ಮಳೆ' ಕಾದಂಬರಿಯ ಕರ್ತೃ ಯಾರು?
2. 'ತರಗೂಡಿನ ಗಯ್ಯಾಳಿಗಳು' ಯಾರ ಕೃತಿ?
3. ಚೊಕ್ಕನ ಅಪ್ಪನ ಹೆಸರೇನು?
4. ಗಿರಿಜಾ ಯಾರು?

ಕ್ರಿಯಾತ್ಮಕ ಕನ್ನಡ

IV ಅ. ಕೆಳಗಿನ ಎರಡು ಪ್ರಶ್ನೆಗಳಲ್ಲಿ ಒಂದನ್ನು ಪ್ರಬಂಧ ರೂಪದಲ್ಲಿ ಉತ್ತರಿಸಿ (7×1=7)

1. ಪತ್ರಿಕೋದ್ಯಮದ ಇತಿಹಾಸ ಹಾಗೂ ವಿವಿಧ ಪ್ರಕಾರಗಳನ್ನು ವಿವರಿಸಿ
2. ಪತ್ರಿಕಾ ವರದಿ ಎಂದರೇನು? ವರದಿ ಹೇಗಿರಬೇಕು? ವಿವರಿಸಿ

ಆ. ಕೆಳಗಿನ ಎಲ್ಲಾ ಪ್ರಶ್ನೆಗಳಿಗೆ ವಸ್ತುನಿಷ್ಠ ರೂಪದಲ್ಲಿ ಉತ್ತರಿಸಿ (1×3=3)

1. ಭಾರತದ ಮೊದಲ ವೃತ್ತ ಪತ್ರಿಕೆಯ ಹೆಸರೇನು?
2. ಪ್ರಜಾಪ್ರಭುತ್ವದ ನಾಲ್ಕನೇಯ ಅಂಗ ಯಾವುದು?
3. ನಿಯತಕಾಲಿಕಗಳೆಂದರೇನು?

....

6

(2016 batch onwards)

G 538.3 Reg. No: | | | | | | |

St. Aloysius College (Autonomous)
Mangaluru
B.Sc. Semester III – Degree Examination
October - 2019
SANSKRIT

Time: 3 Hours **Max. Marks: 100**

1 *श्लोकत्रयं कर्णाटकभाषया आङ्ग्लभाषया वा अनुवादं कृत्वा विवृणुत ।* **3 X 8 = 24**

1.1 जानामि सर्वत्र सदा च नाम
द्विजोत्तमाः पूज्यतमाः पृथिव्याम् ।
अकार्यमेतच्च मयाद्य कार्यं
मातुर्नियोगाद् अपनीय शङ्काम् ॥

1.2 आस्तां स्वस्तिकलक्ष्म वक्षसि तनौ नालोक्यते कञ्चुकः?
जिह्वे जल्पत एव मे न गणिते नाम त्वया द्वे अपि?।
तिस्रस्तीव्रविषाग्निधूमपटलव्याजिह्मरत्नत्विषो
नैता दुस्सहशोक शूत्कृतमरुत् स्फीताः फणाः पश्यसि ॥

1.3 सिंहास्यः सिंहदंष्ट्रो मधुनिभनयनः स्निग्धगम्भीरकण्ठो
वभ्रुभ्रूः श्येननासो द्विरदपतिहनुः दीप्तविश्लिष्टकेशः ।
व्यूढोरा वज्रमध्यो गजवृषभगतिः लम्बपीनांसबाहुः
सुव्यक्तं राक्षसीजो विपुलबलयुतो लोकवीरस्य पुत्रः ॥

1.4 शिरामुखैः स्यन्दत एव रक्तम् अद्यापि देहे मम मांसमस्ति ।
तृप्तिं न पश्यामि तवापि तावत् किं भक्षणात् त्वं विरतो गरुत्मन्?॥

1.5 भ्रातृणां मम सर्वेषां कोऽयं भो गुणतस्करः ।
दृष्ट्वैतद् बालशौण्डीर्यं सौभद्रस्य स्मराम्यहम् ॥

2 *द्वयोः संस्कृतभाषया टिप्पणीं लिखत ।* **2 X 6 = 12**

2.1 पाण्डवाः ।
2.2 श्रीहर्षदेवः ।
2.3 अमृतवृष्टिः ।

3 *द्वयोः कर्णाटकभाषया आङ्ग्लभाषया वा टिप्पणीं लिखत ।* **2 X 6 = 12**

3.1 मध्यमव्यायोगस्य नामौचित्यम् ।
3.2 सूत्रदारः ।
3.3 घटोत्कचस्य पात्रचित्रणम् ।

4 *पञ्चानां सन्दर्भसहितविवरणं कर्णाटकभाषया आङ्ग्लभाषया वा लिखत ।* **5 X 4 = 20**

4.1 मर्षयतु भवान् मर्षयतु । अयं मे प्रकृतिदोषः ।
4.2 मम संरक्षिताः प्राणाः दत्त्वात्मानं गरुत्मते ।
4.3 बलाबलं परिज्ञाय पुत्रमेकं विसर्जय ।
4.4 भोः सुयोधन, वर्धते ते शत्रुपक्षः ।
4.5 विचित्राणिहि दैवविलसितानि ।
4.6 सर्वमिदं मम नृशंसस्य असमीक्ष्यकारितायाः विजृम्भितम् ।
4.7 कथं न पापः शतधात्रजामि ?

Contd...2

5 *द्वयोः कर्णाटकभाषया आङ्ध्रभाषया वा प्रबन्धात्मकमुत्तरं लिखत ।* 2 X 10 = 20

5.1 भासमहाकवेः विषये प्रबन्धं लिखत ।

5.2 नागानुकम्पा - रूपकभागं सविमर्शं निरूपयत ।

5.3 मध्यमव्यायोगः इति नाटकशीर्षिकायाः सार्थक्यं निरूपयत ।

5.4 जीमूतवाहनस्य स्वभावगुणान् यथा पाठं निरूपयत ।

6 *अलङ्कारमेकं सलक्षणं सोदाहरणं संस्कृतेन विवृणुत ।* 1 X 6 = 6

6.1 अनुप्रासः ।

6.2 अर्थान्तरन्यासः ।

6.3 उत्प्रेक्षा ।

7 *एकं छन्दः सलक्षणं सोदाहरणं विवृणुत ।* 1 X 6 = 6

7.1 उपेन्द्रवज्रा ।

7.2 अनुष्टुप् ।

7.3 वसन्ततिलका ।

*****

(2018 Batch onwards)

G 139.3 Reg. No:

St Aloysius College (Autonomous)
Mangaluru
B.A. /B.Sc./B.Com Semester III - Degree Examination
October - 2019
KONKANI

Time: 3 Hours Max. Marks: 100

I ಅ) ಎಕಾ ವಾಕ್ಯಾನ್ ಜಾಪ್ ಬರಯಾ. (1×5=5)

1) ಪಾವ್ಸಾಚೊ ರಂಗ್ ಕಸಲೊ?

2) 'ಸೊಂಶ್ಯಾಚೆ ಕಾನ್' ಕವಿತಾಚೊ ಬರಯ್ಣಾರ್ ಕೋಣ್?

3) ಕಷ್ಟಾಂಚೊ ಫಳ್ ಕಿತೆಂ ಜಾವ್ನಾಸಾ?

4) ಕವಿಕ್ ಖಂಯ್ ಘುರ್ಲಾ?

5) ಕೊಣಾಂ ಬರಿ ಥಿರ್ ಉರೊಂಕ್ ಜಾಯ್?

ಆ) ಖಂಚಾಯ್ ದೋನ್ ಕವನಾಂಚೆ ಸ್ವಾರಸ್ಯ್ ಬರವ್ನ್ ವಿವರ್ಸಿಯಾ. (5×2=10)

6) ಗಿಚ್ಚುಂಕ್ ಸುರು ಕೆಲ್ಲೊ ರಿಚ್ಚೆ ಕವಿ ಜಾಲ್ಲೊ ಪ್ರಸಂಗ್ ಕಳಯಾ.

7) ಮನ್ಶ್ಯಾ ಸಂಬಂಧ್ ಘರಾ ಮುಖಾಂತ್ರ್ ಕಸೊ ವ್ಯಕ್ತ್ ಜಾಲಾಂ?

8) 'ಭಾಟಾ ಮಧ್ಲ್ಯಾ ಸಾದ್ಯಾ ಘರಿ' ಕವಿ ಕಶೆಂ ಜಿಯೆಂವ್ಕ್ ಅಶ್ರೆಂಗ್ತಾ?

ಇ) ಖಂಚಾಯ್ ದೋನ್ ಸವಾಲಾಂಕ್ ಜಾಪಿಂ ಬರಯಾ. (5×2=10)

9) ಮಾತಿಯೆಚ್ಯಾ ಕೃತಿಯಾಂಕ್ ಆನಿ ಮನ್ಶ್ಯಾ ಸಂಬಂಧಾಕ್ ಆಸ್ಚೊ ತಾಳ್ ವಿವರ್ಸಿಯಾ.

10) ಕವಿಕ್ ಖಂಯ್ ಘುರ್ಲಾ ಮ್ಹಣ್ ಕವಿ ಚಾ. ಪ್ರಾ ಸಾಂಗ್ತಾ?

11) ಕವಿ ಪ್ರಕಾರ್ ಪಾವ್ಸಾಚೊ ರಂಗ್ ಕಿತೆಂ ಜಾವ್ನಾಸಾ.

ಈ) ಖಂಚಾಯ್ ಎಕಾ ಕವನಾಚೆ ಸ್ವಾರಸ್ಯ್ ಬರವ್ನ್ ವಿವರ್ಸಿಯಾ. (5×1=5)

12) ರಂಗ್ ಮ್ಹಜೊ ಅಸಲೊ
ಜಾಕಾ ಜಾಯ್ ತಸಲೊ
ಜಾಂತುಂತ್ ಹಾಂವ್ ಭರ್‍ಸಲೊಂ
ತಾಚೊಚ್ ರಂಗ್ ಮ್ಹಜೊ ಜಾಲೊ।

13) ನಿಸ್ತೆಂ ಫಾಲ್ಟಿ ಮಾಲ್ತಿ ಮ್ಹಜಿ
ಮಾತಿಯೆ ಥಾವ್ನ್ ಜಲ್ಮಲ್ಲಿ
ಉದ್ಕಾಚ್ಯಾ ಭಾಣಾ ಆನಿ
ಪೆಜೆಚೆ ಮೊಡ್ಕೆ ಸವೆಂ
ಜಿವಿತ್ ಸಾರುಂಕ್ ಆಯಿಲ್ಲಿ ।

II ಅ) ಸವಲಾಂಕ್ ಜಾಪ್ ಬರಯಾ: (6×1=6)

14) 'ಹಿಪ್ಪಿಚಲಿ' ಖಂಯ್ಸರ್ ವಸ್ತಿ ಕರ್ತಾ?

15) ಕೋಣ್ ಪಾಟಿಂ ಘರ ವೆತಾ?

16) ಬಾಬುಲೊ ಆಖ್ರೇಕ್ ಖಂಯ್ ವೆತಾ?

17) ಮ್ಹಜಿ ಬಾ ಖೈಗೆಲೀ ಕಾಣಿಯೆಚೊ ಬರಯ್ಣಾರ್ ಕೋಣ್ ?

18) ಅಮಾಸಾಚಿ ಪ್ರಾಯ್ ಕಿತ್ಲೆಂ?

19) 'ಹಿಪ್ಪಿ ಚಲಿ' ಕಾಣಿಯೆಚೊ ಬರಯ್ಣಾರ್ ಕೋಣ್?

Contd...2

ಆ) ಖಂಚಾಯ್ ದೋನ್ ವಾಕ್ಯಾಚೆ ಸಂದರ್ಭ್ ಕಳವ್ನ್ ಸ್ವಾರಸ್ಯ್ ಬರಯಾ. (5×2=10)

20) "ಮನ್ಯಾಂ ಕಡೆನ್ ದೇವ್ ಉಲಯ್ನಾ ರೇ ಮ್ಹಜ್ಯಾ ರಾಯಾ"

21) "ಚಿಯರ್ಸ್ ಟು ಸಿಂಡ್ರೆಲಾ ಅಂಡ್ ಹರ್ ಬೇಬಿ ಇನ್ ದ ಊಂಬ್"

22) ಅಜಿಯೆ ಬಾಕ್ ಹಾಡುಂಕ್ ತೂಂ ಧೋಲಿ ಕಿತ್ಯಾಕ್ ದಾಡೀನಾ ಗೆ?

ಇ) ಖಂಚಾಯ್ ಎಕಾ ಸವಲಾಕ್ ಜಾಪ್ ಬರಯಾ: (5×1=5)

23) ಹಿಪ್ಪಿ ಚಲಿ. ಸಿಂಡ್ರೆಲಾ ಆನಿ ಲೇಖಿಕಾಂ ಮಧ್ಲೊ ಸಂಬಂಧ್ ವಿವರ್ಸಿಯಾ.

24) ಅವಯ್ಸ್ಯ ಅಕಾಲಿಕ್ ಮರ್ಣಾ ನಂತರ್ ಬಾಬುಲ್ಯಾಚಿ ಸ್ಥಿತಿ ವಿವರ್ಸಿಯಾ.

ಈ) ಖಂಚಾಯ್ ಎಕಾಚೆ ಪಾತ್ರ್ ಚಿತ್ರಣ್ ಕರಾ. (4×1=4)

25) ಸಿಂಡ್ರೆಲಾ

26) ಬಾಬುಲ್ಯಾಚಿ ಆಜಿ

III ಅ) ಎಕಾ ವಾಕ್ಯಾನ್ ಜಾಪ್ ಬರಯಾ. (1×5=5)

27) ದೊನ್ವಾರಾಚೊ ಸೈರೊ ಕೋಣ್?

28) ಆಧುನಿಕ್ ಸ್ತ್ರೀ ಕೋಣ್ ?

29) ಸೈಲ್ಲಾಚೊ ಬೆಕಾರಿ ಭಾವ್ ಕೋಣ್?

30) ಶಪರಾಂತ್ ದೊನ್ವಾರಾಚ್ಯಾ ಸೈರ್ಯಾಂಕ್ ಮೆಳ್ಚಿ ಸ್ವಾಗತ್ ಕಸಲೊ?

31) ನಾಟಿಕ್ ಸುರು ಜಾತಾನಾ, ಭುರ್ಗಿಂ ಖಿಂಯ್ಸರ್ ಮಗ್ನ್ ಆಸ್ತಾತ್?

ಆ) ಖಂಚಾಯ್ ದೋನ್ ವಾಕ್ಯಾಚೆ ಸಂದರ್ಭ ಕಳವ್ನ್ ಸ್ವಾರಸ್ಯ್ ಬರಯಾ. (5×2=10)

32) "ಬರಿ ಖಿಬರ್ ಸಾಂಗೊಂಕ್ ಆಯಿಲ್ಲೊ"

33) "ತುಮಿ ತೆಗಾಂ ತ್ರಿರಂಗಾ ಲಡಾಯ್ ಕರ್ತಾತ್"

34) "ಟಿ.ವಿ ಆಸ್ಲ್ಯಾ ಘರಾ ವೇಳ್ ಆಸನಾ".

ಇ) ಖಂಚಾಯ್ ಎಕಾ ಸವಲಾಕ್ ಜಾಪ್ ಬರಯಾ. (10×1=10)

35) ದೊನ್ವಾರಾಚ್ಯಾ ಸಯ್ಕ್ರಾಕ್ ಧಾಂವ್ಡಾಂವ್ಕ್ ಕೆಲ್ಲೆಂ ಸಾಧನ್ ವಿವರ್ಸಿಯಾ.

36) ಬಮ್ಟಿಕ್ ನೊಬ್ಬಿಚ್ಯಾ ಕುಟ್ಮಾಂಚ್ಯಾನಿಂ ದಿಲ್ಲೊ ಸ್ವಾಗತ್ ಆನಿ ಹಾಚೊ ಪರಿಣಾಮ್ ಕಿತೆಂ?

IV. ಅ) ಎಕಾ ವಾಕ್ಯನ್ ಜಾಪ್ ಬರಯಾ. (1×5=5)

37) ಪರಿಪತ್ರ್ ಮ್ಹಳ್ಯಾರ್ ಕಿತೆಂ?

38) ಜಾಹೀರಾತ್ ಮ್ಹಳ್ಯಾರ್ ಕಿತೆಂ?

39) ಪತ್ರಾಚೆ ಮುಖ್ಯ್ ಲಕ್ಷಣ್ ಕಿತೆಂ?

40) ಕೊಣೆ ಸಂಪದಾಕಾಂಕ್ ಪತ್ರ್ ಬರೆಯ್ತೆತ್?

41) ವಿಚಾರಣ್ ಪತ್ರ್ ಮ್ಹಳ್ಯಾರ್ ಕಿತೆಂ?

ಆ) ತಿನೀ ಸವಾಲಾಂಕ್ ಜಾಪಿ ಬರಯಾ. (5×3=15)

42) "ಸಾಂ. ಲೂವಿಸ್ ಕಾಲೇಜಿಂತ್ ಕೊಂಕ್ಣಿ ಉಪನ್ಯಾಸಕಚಿ ಗರ್ಜ್" ಮ್ಹಳ್ಯಾ ಶಿರೋನಾಮ ಖಾಲ್ ಜಾಹೀರಾತ್ ತಯಾರ್ ಕರಾ.

43) 'ಆಂಜೆಲ್' ಕಾದಂಬರಿಂಚ್ಯೊ ಪ್ರತಿಯೊ ಜಾಯ್ ಮ್ಹಣ್ ವಿಚಾರ್ನ್ ಕೊಂಕ್ಣಿ ಸಂಸ್ಥ್ಯಾಚ್ಯಾ ನಿರ್ದೇಶಕಾಕ್ ಪತ್ರ್ ಬರಯಾ.

44) ಸೂಕ್ತ್ ಕಾರಣ್ ದೀವ್ನ್, ದೋನ್ ದಿಸಾಂಚಿ ರಜಾ ವಿಚಾರ್ನ್ ತುಮ್ಚಾ ಸಂಸ್ಥ್ಯಾಚ್ಯಾ ಪ್ರಾಂಶುಪಾಲಾಕ್ ಪತ್ರ್ ಬರಯಾ.

****

8

(2016 Batch onwards)

G 140.3 Reg. No. | | | | | | |

St Aloysius College (Autonomous)

Mangaluru

B.A. /B.Sc./B.Com. - Semester III -Degree Examination
October - 2019

ADDITIONAL ENGLISH

Time: 3 hrs. **Max Marks: 100**

UNIT - I

(Short Story and Prose)

I Answer any ONE of the following in about 150 words: **(1x5=5)**

1. What are A.G. Gardiner's views on the custom of shaking hands?
2. How would you describe Okeki's character? Use details from the story 'Marriage is a Private Affair' to support your answer?

II Answer any TWO of the following in about 250 words each: **(2x10=20)**

1. Explain the ways that the Indians, Chinese and Japanese people greet.
2. The story 'Marriage is a Private Affair' is full of conflicts among people and ideas. What are the least two of these conflicts? Does the story resolve them? If so, how?
3. The story's subject is a marriage that occurs against parent's wishes. Elaborate on the theme of the story.

UNIT – II

(Poetry)

I Answer the following in about 150 words each: **(4x5=20)**

1. How does the poet depict the struggles of the scholar in the narrow street?
2. The river of Heaven speaks about the Imagery River, Heaven and God. What is your opinion abut the imagery that is provided in the poem?
3. How does the poet portray wine as the symbol of prosperity and good health?
4. Who is Osiris? How do the Egyptians worship Osiris?

UNIT – III

(Novel)

I Answer the following in about 150 words each: **(1x5=5)**

1. What is the nature of Clara and Alice's relationship?

II Answer any TWO of the following in about 300 words each: **(2x10=20)**

1. Patrick watches Finnish loggers skating at night, observing them at play. How does this prelude determine his later interactions with other immigrant communities?

Contd...2

2. What is the symbolic significance of Patrick becoming a searcher? How is he a searcher throughout life? What is he searching for?
3. What is the significance of the title of the novel 'In the skin of a Lion' and prefacing quotation from the Epic of Gilamesh?

UNIT – IV

(Grammar and Vocabulary)

I Write a dialogue of 15 turns on the following: **(10)**

Two students discussing the cause and effects of the Kerala floods.

II Make sentences on the following: **(5x1=5)**

1. Rest (relax)
2. Rest (remaining)
3. Stunt (check the growth of)
4. Stunt (a daring feat)
5. Lie (at rest) or lie (make false statement)

III Rewrite as directed: **(5x1=5)**

1. She is honest. (Transform into a negative sentence without changing the meaning of the sentence)
2. We shall forever be grateful to you. (Transform into a negative sentence without changing the meaning of the sentence).
3. Burj Khalifa is the tallest building in the world. (Transform into a negative sentence without changing the meaning of the sentence).
4. Keep off the grass. (Transform into an interrogative sentence).
5. Shut up and listen! (Transform into an interrogative sentence).

IV Write a speech of about 100 words on the following: **(5)**

You are the chief guest at the Literary Fest at your college.

V Fill in the blanks to complete the clichés: **(5x1=5)**

1. Ignorance is ----------.
2. You can't judge a book by its ----------.
3. Old habits die ----------.
4. Laughter is the best ----------.
5. The calm before the ----------.

****

9

G 150.3

(2016 batch onwards)

Reg. No.

St Aloysius College (Autonomous)
Mangaluru
B.A./B.Sc. /B.Com. Semester III – Degree Examination
October – 2019
FRENCH

Time: 3 hrs. Max Marks: 100

1. Mettez le texte au passé compose 10

La directrice de l'école autorise l'organisation d'une kermesse de fin d'année. Elle demande des idées aux élèves. Charlie pense à une tombola tandis que d'autres proposent une course au sac. Les enfants demandent la date de la kermesse à leur maître. Ils rédigent ensuite une affiche pour les parents. Le jour venu, de nombreux stands sont installés et les jeux se déroulent à merveille ! Les enfants rentrent chez eux fiers et heureux !

Kermesse: fair

2. Mettez les verbes au subjonctif 5

a) Il faut que tu ..... la vaisselle ce soir. (faire)
b) Je veux qu'il ..... avec nous. (nous)
c) Il est essentiel que nous ..... le train. (prendre)
d) Je regrette que vous ..... malade. (être)
e) Je voudrais que vous ..... avec moi. (sortir)

3. Mettez à la forme passive 5

Le Président français a reçu le Premier Ministère anglais. Ils ont abordé le problème de le pèche. Ils ont pris des mesures communes. Les syndicats de pêcheurs ont refusé les propositions du gouvernement. Ils iront aux grèves.

4. Mettez les verbes a la forme qui convient 5

a) Si elle te donne de l'argent, ce que tu ..... (faire)?
b) S'il avait de la patience, il .....(développer) ce jeu vidéo.
c) Si tu es fatigue, ... (se reposer).
d) Si tu as l'appareil photo, (prendre) une photo!
e) Si j'étais riche, j'..... (acheter) une maison.

5. Mettez à l'indirect 5

Max : Qu'est-ce que tu fais demain ?

Pitt: Je vais au concert avec Jules.

Max : Tu es libre dimanche?

Pitt: Je vais chez mes grands-parents.

Max : Où habitent-ils ?

Pitt: À 14^{e} arrondissement.

Max m'a demandé .....

Contd...2

6. Répondez aux questions 5x6=30

a) Quels sont les sports les plus pratiqués, les plus regardés dans votre pays ?

b) Parlez d'un objet ancien dans votre maison.

c) Écrivez d'un peintre célèbre

d) Expliquez une fête française

e) Parlez d'un mouvement de peinture

f) Expliquez le marathon de Paris.

g) Quel est votre plus grand exploit ou votre plus grande réussite.

7. Dialoguez 10

Vous devez faire une activité originale. Mais deux d'entre vous ne sont pas d'accord.

OU

Un ami est parti seul en vacances dans un pays étrangère. Elle devait rentrer il y a trois jours. Vous n'arrivez pas à avoir de ses nouvelles.

8. Ecrivez une lettre à votre ami sur un des sujets 10

Décrivez une recette française

Ou

Vous avez visité un pays. Décrivez les habitudes dans ce pays.

9. Compréhension 10

Lisez le texte et répondez aux questions

Des gilets de haute visibilité de couleur jaune portés par les manifestants — est un mouvement de protestation non structuré apparu en France en Octobre 2018. Ce mouvement social spontané trouve son origine dans la diffusion, principalement sur les réseaux sociaux, d'appels à manifester contre l'augmentation du prix des carburants automobiles issue de la hausse de la taxe intérieure de consommation sur les produits énergétiques (TICPE).

À partir du 17 novembre 2018, la contestation s'organise autour de blocages de routes et ronds-points et de manifestations tous les samedis. Ces protestations mobilisent surtout les habitants des zones rurales et périurbaines, mais s'organisent également dans des métropoles, où se produisent plusieurs épisodes violents, notamment sur l'avenue des Champs-Élysées.

Rapidement, les revendications du mouvement s'élargissent aux domaines sociaux et politiques. Lors des rassemblements, le plus souvent non déclarés, plusieurs milliers de personnes sont blessées, aussi bien du côté des manifestants que des forces de l'ordre. Des associations comme Amnesty International critiquent une conduite inadaptée du maintien de l'ordre et des institutions comme l'ONU et le Conseil de l'Europe s'interrogent sur l'usage d'armes comme les LBD et les grenades de désencerclement.

Contd...3

Face à l'ampleur de ce mouvement, l'exécutif renonce à la hausse de la TICPE. Le président de la République, Emmanuel Macron, annonce ensuite des mesures, entérinées par la loi portant mesures d'urgence économiques et sociales, puis lance le grand débat national, à l'issue duquel il annonce de nouvelles réformes. Cette réponse ne met pas fin au mouvement : des mobilisations, moins nombreuses, persistent sous différentes formes.

Sous la présidence de François Hollande, l'instauration de la taxe carbone ne rencontre pas une forte hostilité dans l'opinion publique, le prix du pétrole étant plutôt en baisse lors de son quinquennat. Mais entre 2017 et 2018, le prix du baril passe de 40 à 80 dollars environ ; la hausse des tarifs s'élève à 28 % pour le fioul domestique, à 22 % pour le gaz naturel, à 21 % pour le diesel, à 13 % pour l'essence[3]. Le phénomène est amplifié par une augmentation de la taxe carbone, prévue dès sa mise en place mais que le gouvernement d'Édouard Philippe décide d'accélérer.

Alors qu'en 2017, le ministre de la Transition écologique, Nicolas Hulot, n'avait pas eu de difficultés à faire voter les hausses de la fiscalité énergétique, le débat parlementaire est beaucoup plus vif en 2018, *La Tribune* indiquant que « l'incompréhension d'une partie des citoyens provoque une véritable fronde qui se cristallise sur le prix des carburants ». Mais le gouvernement ignore les avertissements de la Commission nationale du débat public, consécutifs au débat public sur la programmation pluriannuelle de l'énergie, sur l'acceptabilité de la hausse de la taxe carbone, qu'elle juge pénalisante pour « les plus dépendants et les plus captifs aux énergies fossiles » en l'absence de refonte de la fiscalité générale.

a) Où se trouve son origine ce mouvement?

b) Ce mouvement, que demande-t-il ?

c) Champs-Élysées est le point de départ de la manifestation. Vrai ou faux ?

d) Pour quelle raison l'institution internationale critique le gouvernement ? (2)

e) Qui est Emmanuel Macron?

f) Qui sont affecté par la hausse des prix?

g) Qu'est-ce-que La Tribune indique ?

h) Donnez la forme nominale du verbe ***augmenter***

i) Trouvez la former verbale de ***blessure***. Ecrivez l'infinitif du verbe

10. Remplissez les blancs utilisant les mots aidants 5

(arrondissement, quartier, Street Art, balade, promenade)

Cette _____ commence et finit place de la République, dans un grand tour de 2h environ. Vous profiterez de l'agréable atmosphère du 10ème _____ de Paris, du canal Saint-Martin, puis du _____ de Belleville et toute une partie du 19ème arrondissement, l'une des zones les plus vivantes de la capitale.
En fil rouge de cette_____ , vous découvrirez de nombreux, et surprenants, murs devenus les supports d'expression favoris du _____ dans la capitale.

11. a) Expliquez les qualités qu'un journaliste doit avoir et les défauts qu'il ne doit pas avoir 2

b) Si vous aimez la couleur **vert,** quels sont vos qualités 2

c) Nommez quelques objets relies à la couleur **rouge** 1

*****

(2014 Batch onwards)

G 151.3 Reg. No: | | | | | | |

St Aloysius College (Autonomous)
Mangaluru
B.A./B.Sc./B.Com. Semester III – Degree Examination
October - 2019
MALAYALAM

Time: 3 Hours **Max. Marks: 100**

I. രണ്ടെണ്ണം വ്യാഖ്യാനിക്കുക **(2x5 =10)**

1. ഈ വീരയുവാവിനെ ക്ഷണിക്കൂ സമുന്നത–

   ജീവിത സൗധ ശിലാസ്ഥാപനത്തിനു നിങ്ങൾ

2. എനിക്കുമുണ്ടേതോ ചിലതെല്ലാമൂഴി–
   പ്പരപ്പിനൊടൊന്നു പറഞ്ഞു പോകാൻ..

3. പലദേശത്തിൽ, പലവേഷത്തിൽ
   പലപലഭാഷയിൽ ഞങ്ങൾ കഥിപ്പൂ
   പാരിതിലാദിയിലുദയം കൊണ്ടുപൊ–
   ലിഞ്ഞൊരു പൊന്നോണത്തിൽ ചരിതം

II. രണ്ടെണ്ണത്തിനു കുറിപ്പു തയ്യാറാക്കുക **(2x5=10)**

4. ബഒബാബ് മരത്തിൻറെ സവിശേഷത വ്യക്തമാക്കുക
5. ബൈറയുടെ സവിശേഷത എന്തൊക്കെയാണെന്ന് വിശദമാക്കുക
6. ന്യാസാലൻറിൻറെ കാപ്പിരി വിഭാഗങ്ങൾ ഏതൊക്കെ ?

III. രണ്ടെണ്ണത്തിന് മുന്നു പുറത്തിൽ കവിയാതെ ഉത്തരമെഴുതുക **(2x15=30)**

7. 'എൻറെ വേളി' എന്ന കവിതയുടെ വിഭിന്നാർത്ഥതലങ്ങൾ ചൂണ്ടിക്കാട്ടി അതിനൊരാസ്വാദനം തയ്യാറാക്കുക
8. കുലഗിരിയിൽ നിന്നും സമതലത്തിലേക്കൊഴുകിയ കാട്ടാറിനുണ്ടായ അനുഭവങ്ങളെന്തെല്ലാം?
9. 'വിവേകാനന്ദപ്പാറയിൽ' –ഒരാസ്വാദനം തയ്യാറാക്കുക

IV. രണ്ടെണ്ണത്തിന് മൂന്നുപുറത്തിൽ കുറയാതെ ഉത്തരമെഴുതുക **(2x15=30)**

10. 'ശക്തിയേറിയ ഒരഴകെന്നോ അഴകേറിയ ഒരു ശക്തിയെന്നോ' ഉള്ള വിശേഷണം വിക്ടോറിയവെള്ളച്ചാട്ടത്തിനെ സംബന്ധിച്ചിടത്തോളം എത്രമാത്രം അർത്ഥവത്താണെന്ന് പരിശോധിക്കുക
11. കാപ്പിരികളുടെ വിചിത്രസ്വഭാവത്തെക്കുറിച്ച് പൊറ്റക്കാട് വിവരിക്കുന്നതെങ്ങിനെ?
12. ജന്മനാട്ടിൽ കാപ്പിരികൾക്ക് അനുഭവിക്കേണ്ടി വന്ന യാതനകളെന്തൊക്കെ?

V. ഒരെണ്ണത്തിന് മൂന്നുപുറത്തിൽ കുറയാതെ ഉത്തരമെഴുതുക **(1x15=15)**

13. നാലുകെട്ടിൻറെ ഉള്ളിൽ വീപ്പുമുട്ടുന്ന സ്ത്രീ ജീവിതങ്ങൾ നോവലിൽ എങ്ങിനെ വ്യക്തമാക്കിയിരിക്കുന്നു
14. നായർതറവാടുകളിലെ തകർന്നടിയുന്ന മരുമക്കത്തായത്തിൻറെ ഒരു നേർച്ചിത്രം നാലുകെട്ടിലൂടെ നമ്മിലേക്കെത്തിക്കാൻ നോവലിസ്റ്റ് ശ്രമിച്ചിരിക്കുന്നു.അപഗ്രഥിക്കുക

VI. ഒരെണ്ണത്തിന് ആശയം വിശദമാക്കുക **(1x5=5)**

15. വിതച്ചതേ കൊയ്യൂ
16. നമിക്കിലുയരാം നടുകിൽ തിന്നാം
    നൽകുകിൽ നേടിടാം
    നമുക്കുനാമേ പണിവതു നാകം
    നരകവുമതുപോലെ

*****

12

(2014 Batch onwards)

G. 501.3 Reg. No. : | | | | | | |

St Aloysius College (Autonomous)
Mangaluru
B.Sc. Semester III– Degree Examination
October - 2019
PHYSICS
ACOUSTICS, OPTICS AND NETWORKS

Time: 3 hrs. **Max Marks: 100**

SECTION –A

1. **Answer any TEN of the following.** **(2x10=20)**

a) What is the phase difference and path difference between two vibrations represented by $y=A \sin \omega t$ and $y=A \cos \omega t$?

b) On what factors does the velocity of sound in a gas depend?

c) What happens to the fringes in an interference pattern, when monochromatic light is replaced by white light?

d) Give any one difference between a convex lens and a zone plate.

e) What is double refraction?

f) State Thevenin's theorem.

g) Give the principle of mesh analysis.

h) What are retarding plates?

i) What is quality factor?

j) How are stationary waves formed?

k) Define the terms node and loop in an electrical network.

l) Define an ideal voltage and current source.

SECTION – B

Answer any TWO full questions from each unit.

UNIT - I

2. a) Set up the equation for damped oscillation of a vibrating body and discuss the various cases. **(6)**

b) Derive an expression for the total energy of a simple harmonic oscillator. **(4)**

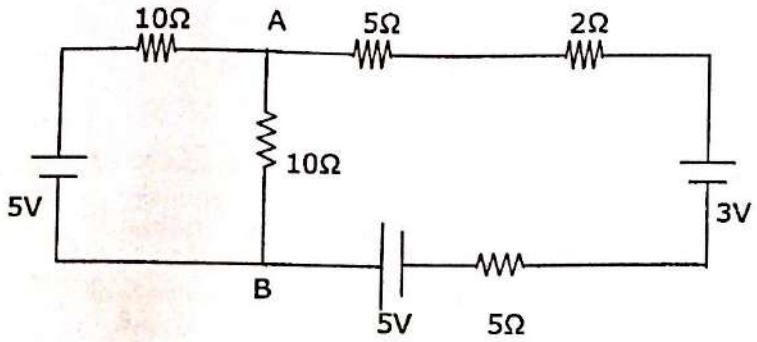
3. a) Derive an expression for the frequency of vibration of a stretched string fixed at both ends and hence give the laws of transverse vibrations of stretched strings. **(6)**

b) Show that the frequencies of vibrations of a rod clamped at the centre will have only odd harmonics. **(4)**

4. a) Assuming an expression for the velocity of longitudinal waves in a fluid, deduce Newton's formula for the velocity of sound in air and apply Laplace correction to it. **(6)**

b) Derive an expression for simple harmonic oscillation. **(4)**

15. Find the current in the branch AB of the circuit, using Kirchhoff's voltage law.



16. A brass rod of length 1m is clamped at the centre. It emits a note of fundamental frequency of 1.7KHz when it vibrates longitudinally. Determine the young's modulus of the material of the rod.
Density of brass=8300 Kg/m^3.

****

14

(2014 Batch onwards)

G.502.3 Reg. No.: | | | | | | |

St Aloysius College (Autonomous)
Mangaluru
B.Sc. Semester III – Degree Examination
October - 2019
CHEMISTRY

Time: 3Hours. **Max Marks: 100**

Instructions:
1. **Write the question number and sub division clearly.**
2. **Write equations and diagrams wherever necessary.**
3. **Answer Part-A in the first two pages of the answer book.**

PART –A

Answer any TEN of the following questions in 1 or 3 sentences. (2X10=20)

1.a) What is a zero order reaction? Give an example.
b) How are Kp & Kc related? When will Kp & Kc are equal?
c) State Group displacement law.
d) Cerium and Terbium show +4 oxidation state. Give reason.
e) What are d block elements? Give their general electronic configuration.
f) Fe^{+3} is more stable than Fe^{+2}. Give reason.
g) Write the resonating structures of anthracene.
h) State Huckel rule.
i) What happens when naphthalene is oxidized by acidified $KMnO_4$? Write the chemical equation.
j) Give any two applications of AAS.
k) Mention any two oxidants used in flame photometry.
l) Write two applications of Plasma emission spectroscopy.

PART – B

Answer any TEN of the following questions in 2 to 5 sentences. (3X10=30)

2. i) In a certain reaction, the half life period was found to be 257 minutes when the initial concentration was 0.16M and 210 minutes when the initial concentration was 0.2M. Calculate the order of the reaction.
ii) Give any three applications Clausius-Claperon equation.
iii) Write the differences between nuclear and chemical reactions.
iv) Explain the catalytic property of d-block elements.
v) Discuss the colour formation by a transition metal ion.
vi) Explain the complexation tendencies of f block elements.
vii) Show how -OH group is an ortho para directing group?
viii) Give the mechanism of Pinacol-Pinacolone rearrangement.
ix) Explain the mechanism of nitration of benzene.
x) Write a note on total consumption burner.
xi) Explain the principle of flame photometry?
xii) Explain the principle and importance of derivative thermogravimetry.

Contd...2

PART – C

Answer any TEN of the following questions. **(5X10=50)**

3) Derive an expression for rate constant of a second order reaction when the initial concentration of the reactants are same.
4) What is artificial radioactivity? A radio active isotope has half life period of 20 days. What is the amount of isotope left over after 40 days if the initial amount is 5g?
5) Derive law of mass action thermodynamically.
6) Describe the separation of Np, Pu and Am from Uranium.
7) Give any 5 differences between lanthanides and actinides.
8) What is meant by Lanthanide contraction? Give its causes and consequences.
9) Explain the mechanism of Hofmann rearrangement.
10) Explain the mechanism of Reimer-Tiemen reaction.
11) Describe Haworth synthesis of naphthalene.
12) Discuss the instrumentation of flame photometry.
13) Discuss the instrumentation of Plasma emission spectroscopy.
14) Explain the instrumentation of Atomic absorption spectroscopy.

****

(2014 Batch Onwards)

G503.3 Reg. No.

St Aloysius College (Autonomous)
Mangaluru
B.Sc. Semester III – Degree Examination
October - 2019
MATHEMATICS
Number Theory, Group Theory and Multivariate Calculus

Time: 3 hrs. Max Marks: 100

Note: Answer all parts

PART – A

I Answer any TEN of the following. **(10×2½=25)**

1. Find the remainder when 1! + 2! + ⋯ ….100! is divided by 12.
2. Using divisibility test, find whether the number 457182 is divisible by 11 or not.
3. Find whether the equation $14x + 52y = 9$ is solvable or not.
4. On $\mathbb{R}$, the set of reals, if $*$ is defined by $a * b = \frac{ab}{2}, \forall\, a, b \in R$, find the identity element.
5. Show that a group cannot be the union of two proper subgroups.
6. Prove that if G is a cyclic group, then G is abelian.
7. Determine the domain of the function $f(x,y) = \frac{\sqrt{25-x^2-y^2}}{x}$.
8. Show that $\lim_{(x,y)\to(0,0)} \frac{xy}{x^2+y^2}$ does not exist.
9. Let $u = x^2 + 2xy + y^2$, $x = tcost$, $y = tsint$, find $\frac{du}{dt}$.
10. If $f(x,y,z) = x^2 + y^2 - 4xz$, find ∇f at point $(-2,\ 1,\ 3)$.
11. Find the linearization of $f(x,y) = x^2 - xy + \frac{y^2}{2} + 3$ at $(3, 2)$.
12. Find the local extreme values of $f(x,y) = x^2+y^2$.
13. Evaluate $\int_0^1 \int_0^1 \int_{-1}^1 xyz\ dz\ dy\ dx$.
14. Using double integral find area enclosed by r= $cos\ \theta$ and the lines $\theta = 0\ and\ \theta = \frac{\pi}{6}$.
15. Find the area of the surface cut from the plane $2x + y + z = 4$ by the planes $x = 0, x = 1, y = 0\ and\ y = 1$.

PART – B
UNIT - I

Answer any THREE of the following: **(3×5=15)**

1. Let N=$a_m 10^m + a_{m-1}10^{m-1} + \ldots\ldots\ldots + a_1 10 + a_0$ is the decimal representation of a positive integer N, $0 \leq a_k < 10$ and let S=$a_0 + a_1 + \cdots + a_m$ then prove that $9|N$ if and only if $9|S$.
2. If p is a prime and $p \nmid a$, then prove that $a^{p-1} \equiv 1 (mod\ p)$.
3. State and prove Wilson's Theorem.

Contd..2

4. Prove that the linear congruence $ax \equiv b(mod\ n)$ has a solution if and only if $d|b$ where d = g. c. d(a, n). If $d|b$ then prove that the congruence has d mutually incongruent solutions modulo n.
5. Solve the system congruence's $x \equiv 1(mod\ 3),\ x \equiv 2(mod\ 5),\ x \equiv 3(mod\ 7)$.

UNIT - II

Answer any THREE of the following.

1. Let H be a finite subset of a group G such that $ab \in H$, whenever $a \in H$ and $b \in H$. Prove that H is a subgroup of G.
2. Let H and K be subgroups of a group G. Prove that HK is a subgroup of G if and only if $HK = KH$.
3. For any group G the set $H = \{x | x \in G, xa = ax\ for\ each\ a \in G\}$ is a subgroup of G.
4. State and prove Lagrange's theorem.
5. Let G be a cyclic group and H a subgroup of G, prove that H is cyclic.

UNIT - III

Answer any THREE of the following. **(3×5=15)**

1. Using $\epsilon - \delta$ definition prove that $\lim_{(x,y)\to(1,3)}(2x + 3y) = 11$
2. If the function $f(x,y) = \frac{2x^2y}{x^4+y^2}$ then show that $f(x,y)$ has no limit as (x,y) approaches $(0,0)$.
3. Given if $f(x,y) = \begin{cases} \frac{xy(x^2-y)}{x^2+y^2} & if\ (x,y) \neq (0,0) \\ 0 & if\ (x,y) = (0,0) \end{cases}$
   Show that $f_1(0,y) = -y$ for all y.
4. If $u = ln\sqrt{x^2+y^2}, x = re^s, y = re^{-s}$ find $\frac{\partial u}{\partial r}$ and $\frac{\partial u}{\partial s}$.
5. Show that $f(x,y,z) = (x^2+y^2+z^2)^{-\frac{1}{2}}$ satisfies Laplace's equation $f_{xx} + f_{yy} + f_{zz} = 0$.

UNIT - IV

Answer any THREE of the following.

1. If $f(x,y,z) = 3x^2 + xy - 2y^2 + yz + z^2$ find the rate of change of $f(x,y,z)$ at $(1,-2,-1)$ in the direction of the vector $2i - 2j - k$. Also find the gradient of f at $(1,-2,-1)$.
2. Find the equation of the tangent plane to the elliptic paraboloid $4x^2 + y^2 - 16z = 0$ at the point $(2,4,2)$. Hence find the symmetric equation of the normal line.
3. If $f(x,y) = 2x^4 + y^2 - x^2 - 2y$, determine the relative extrema of f, if there are any, by using second derivative test.
4. Find the direction in which the function $f(x,y) = \frac{x^2}{2} + \frac{y^2}{2}$ increase and decrease most rapidly at $P_0(1,1)$.
5. Find the absolute maxima and minima of $f(x,y) = x^2 - xy + y^2 + 1$ on the closed triangular plate in the first quadrant bounded by the lines $x = 0, y = 4, y = x$.

Contd..3

UNIT – V

Answer any THREE of the following. **(3×5=15)**

1. Approximate the volume of the solid bounded by the surface $f(x,y) = 4 - \frac{x^2}{9} - \frac{y2}{16}$, the planes $x = 3$ and $y = 2$ and the three co-ordinate axes by taking the partition of the region in the xy-plane using the lines $x = 1, x = 2$ *and* $y = 1$. Take (ξ_i, η_i) at the centre of the i^{th} sub region.
2. Find the volume of the solid above the xy plane bounded by the elliptic paraboloid $z = x^2 + 4y^2$ and the cylinder $x^2 + 4y^2 = 4$.
3. Evaluate integral $\iiint_S xy\, sinyz\, dV$ if S is the rectangular parallelopiped bounded by the planes $x = \pi, y = \frac{\pi}{2}, z = \frac{\pi}{3}$ and the coordinate planes.
4. Find by double integration the area of the region enclosed by one leaf of the rose $r = sin3\theta$.
5. Find the volumeof the solid bounded by the cylinder $x^2 + y^2 = 25$, the plane $x + y + z = 8$ and the xy plane using triple integral.

****

16

(2015 Batch Onwards)

G 504.3 Reg. No. | | | | | | |

St Aloysius College (Autonomous)

Mangaluru

B.Sc. Semester III – Degree Examination

October - 2019

ELECTRONICS

LINEAR INTEGRATED CIRCUITS AND APPLICATIONS, SEQUENTIAL LOGIC CIRCUITS AND LOGIC FAMILIES

Time: 3 hrs. **Max Marks: 100**

Note: This question paper consists of 3 sections. Section A , Section B and Section C. Answer all the sections.

SECTION – A

1. Choose the correct answer from the choices given at the end of each question and write the correct answer. **(12x1=12)**

I) CMRR of a differential amplifier is given by .....

a) $\frac{A_{cm}}{A_D}$ b) $\frac{A_D}{A_{cm}+A_D}$ c) $\frac{A_D}{A_{cm}}$ d) $\frac{A_{cm}}{A_D+A_{cm}}$

II) The output impedance of an ideal op amp is .....

a) High b) Very high c)Zero d)Moderate

III) Open-loop voltage gain of an ideal op-amp is .....

a) 0 b) 100 c) infinity d) 90dB

Iv) The integrator gives ..... wave output for a square wave input.

a) Square b) Ramp c) Triangular d) Step

v) A basic Comparator uses .....

a) Positive feedback b) negative feedback
c) both positive and negative feedback d) no feedback

vI) Butterworth filter has ..... stop band and ..... pass band.

a) flat, ripple b) ripple, flat c)ripple, ripple d) flat, flat

vII) The final binary count of a mod -13 counter is .....

a)1100 b)1101 c)0000 d)1111

vIII) The output frequency of a phase shift oscillator is given by .....

a) $f=\frac{1}{2\pi RC}$ b) $f=\frac{1}{2\pi\sqrt{3}RC}$ c) $f=\frac{1}{2\pi\sqrt{6}RC}$ d) $f=\frac{1}{2\pi\sqrt{RC}}$

Ix) The feedback factor β for an op-amp inverter is .....

a)2 b)1 c) 0.33 d)0.5

x) In TTL logic gates, TTL stands for .....

a) Transistor-Transistor Logic b) Transistor - Triac Logic
c) Triggered-Triggered Logic d) Transistor -Triggered Logic

xI) The PSRR is expressed in .....

a) Amp/V b) mV/V c)μV/V d) μA/V

xII) ..... Statement is true with respect to feedback amplifiers using op-amp.

a) Input resistance increases with voltage series feedback.
b) Input resistance decreases with voltage series feedback.
c) Output resistance increases voltage with shunt feedback.
d) Output resistance increases with voltage series feedback.

Contd..2

viii) Define any four characteristics of op-amp.

ix) Explain different arithmetic micro operations.

x) Explain a 3 bit serial load shift register.

SECTION C

Answer any THREE full questions. **(3x10=30)**

5.a) Design a 3 Bit ripple up down counter using JK flip-flop. **(6)**

b) With circuit diagram explain the working of CMOS NAND gate. **(4)**

6.a) Derive the expression for closed loop voltage gain and output resistance of a voltage series feedback amplifier. **(6)**

b) With circuit diagram explain phase shift oscillator. **(4)**

7.a) With circuit diagram derive the expression for pulse width of monostable multivibrator. **(6)**

b) Explain any photolithography technique used in IC fabrication. **(4)**

8.a) With circuit diagram explain a two input inverting summing amplifier and derive the expression for its output. Explain how it can be converted as an adder. **(6)**

b) With necessary diagrams explain a dual input balanced output differential amplifier using BJTs. **(4)**

****

(2015 batch onwards)

G 505.3 Reg. No. | | | | | | |

St Aloysius College (Autonomous)

Mangaluru

B.Sc. Semester III – Degree Examination

October - 2019

COMPUTER SCIENCE

DATA STRUCTURE USING C

Time: 3 hrs. Max Marks: 100

PART A

1. Answer any TEN questions: (10x2=20)

a) Differentiate between linear and nonlinear data structure.

b) Give any two applications of queue.

c) Write the formula to find the address of a particular location in a single dimensional array.

d) Differentiate between LIFO and FIFO lists.

e) What is a priority queue?

f) What is recursion? Give an example.

g) Write prefix and postfix forms of given expression: ((A-B)*C/D)-(E*F)

h) What is doubly linked list?

i) Draw a complete binary tree.

j) Define the term 'adjacency list' with reference to a graph. Give an example.

k) What is sorting and searching?

l) Define path and leaf node in a tree.

PART – B

Answer ONE full question from each unit.

UNIT – I

2. a) Write an algorithm to find the greatest element in an array. (4)

b) Write an algorithm to implement stack operations. (6)

c) Explain the advantages of circular queue over ordinary queue. (5)

d) Evaluate the following postfix expression with proper steps. 4572+-* (5)

3. a) Explain the algorithmic notations. (6)

b) Explain the steps to convert infix to postfix form. Convert (A+B*C)/(D-E^2) (8)

c) Write algorithms to insert and delete elements from a circular queue. (6)

Contd...2

UNIT – II

4.a) What is linked list? Explain any three types of linked lists with neat diagrams. (7)

b) Write and explain an algorithm to add a node to a doubly linked list. (7)

c) Write a C function to add two polynomials using linked list. (6)

5.a) Write a note on dequeue. (5)

b) Write an algorithm to insert an element into the beginning of a circular linked list. (7)

c) Write a C function to find the maximum and minimum in a linked list. (6)

d) What are the advantages of linked list? (2)

UNIT - III

6.a) Draw a binary search tree for the following list of numbers and write preorder, postorder and inorder traversal of the tree (8)

66,26,22,34,47,79,48,32,78

b) Explain breadth first search traversal method for a graph with an example. (8)

c) Explain the following terms with examples. (4)

i) Directed tree ii) Complete binary tree

7.a) The following are traversals of a binary tree. Draw the corresponding binary tree and also write the post order traversal. (8)

Preorder : A B D G C E H I F

Inorder : D G B A H E I C F

b) Explain depth first search algorithm for a graph with an example. (7)

c) Write a note on matrix representation of a graph. (5)

UNIT - IV

8.a) Explain selection sort method for the following set of numbers. (6)

65, 25, 9, 75, 20, 12, 40, 32, 51, 1

b) Write and explain an algorithm to search for an element using linear search. (6)

c) Show the steps of sorting the following set of numbers using heap sort. (8)

25, 57, 48, 37, 12, 92, 86, 33

9.a) Write and explain binary search algorithm with an example. (10)

b) Write and explain merge-sort technique for the set of numbers (10)

23, 45, 59, 12, 10, 27, 33, 48, 39, 55, 88, 30

****

19

(2016 Batch onwards)

G 506.3

Reg. No: | | | | | | |

St Aloysius College (Autonomous)

Mangaluru

B.Sc. Semester III – Degree Examination

October - 2019

STATISTICS

Statistical Inference - I

Time: 3 Hours **Max. Marks: 100**

Note: Answer all parts

PART – A

1. Answer any TWELVE of the following. (2×12=24)

a) Define a t variate with n degrees of freedom.

b) Write down the p.d.f. of χ^2 distribution.

c) If F is a F variate with n_1 and n_2 degrees of freedom, write down the p.d.f. of $\frac{1}{F}$.

d) What is the relation between χ^2, t and F distributions?

e) Write down the p.d.f. of first order statistic.

f) State weak law of large numbers.

g) Define convergence in probability.

h) State central limit theorem.

i) Let T_n be unbiased for θ and let $g(\theta)=\theta^2$. Show that $g(T_n)$ is positively biased for $g(\theta)$.

j) Define the term consistency in estimation.

k) Show that in a normal population, sample mean is more efficient than sample median in estimating population mean.

l) Define sufficiency of an estimator.

m) State any two properties of maximum likelihood estimators.

n) Find the moment estimator of λ in $P(\lambda)$.

o) What is meant by confidence interval?

PART – B

Answer any SIX of the following. (6×6=36)

2. Derive an expression for the even ordered moments of t distribution.

3. Obtain the m.g.f. of χ^2 distribution.

4. X_j $(j=1 \text{ to } n)$ are observations from Bernoulli $B(\theta)$ population. Let $\xi=\sum X_j$. Show that $\frac{\xi(n-\xi)}{n(n-1)}$ is unbiased for $\theta(1-\theta)$.

Contd ...2

5. Show that in a normal population sample mean $\overline{X}$ and sample variance s^2 are jointly sufficient for the population mean μ and variance σ^2.

6. Prove that the relative efficiency of $T_1 = \frac{n+1}{n-1} X_{(n)}$ over $T_2 = \frac{n+1}{n-1} X_{(1)}$ is unity.

7. Let $X_1, X_2, \ldots, X_n$ be a random sample from beta distribution of first kind with parameters μ and 1. Find the m.l.e. of $\theta = \frac{\mu}{\mu+1}$.

8. Find the moment estimators of the parameters of the gamma distribution with p.d.f. $f(x, \theta, \alpha) = \frac{\theta^\alpha}{\Gamma\alpha} X^{\alpha-1} e^{-\theta X}, \; x > 0, \; \alpha, \theta > 0$.

9. Derive the confidence interval for difference between population proportions.

10. Obtain $100(1-\alpha)\%$ confidence interval for the variance of normal population with unknown mean.

PART – C

Answer any <u>FOUR</u> of the following. **(10×4=40)**

11. Derive the p.d.f. of F distribution.

12. a) Prove that limiting form of t distribution is standard normal. **(5)**

    b) Derive the p.d.f. of n^{th} order statistic. **(5)**

13. a) State and prove Tchebysheve's inequality. **(6)**

    b) Let $X_i, [i=1,2]$ assumes values $+i$ and $-i$ with equal probabilities. Show that W.L.L.N cannot be applied to the sequence $\{X_i\}$. **(4)**

14. a) Explain the method of moments for estimating the parameter. **(5)**

    b) If T_n is asymptotically unbiased for $g(\theta)$ *and* $V(T_n) \to 0$ as $n \to \infty$ then show that T_n is consistent for $g(\theta)$. **(5)**

15. a) Explain maximum likelihood method of estimation. **(4)**

    b) Find the moment estimators of the parameters in $N(\mu, \sigma^2)$. **(6)**

16. $X_1, X_2, \ldots, X_n \sim N(\mu_1, \sigma_1^2)$ and $Y_1, Y_2, \ldots, Y_n \sim N(\mu_2, \sigma_2^2)$. Find the confidence interval for $\frac{\sigma_1^2}{\sigma_2^2}$ when μ_1 and μ_2 are i) known ii) unknown.

****

G 507.3

(2014 batch onwards)
Reg. No.

St Aloysius College (Autonomous)

Mangaluru

B.Sc. Semester III – Degree Examination

October - 2019

BOTANY

Biodiversity - III, Morphology and Embryology of Angiosperms

Time: 3 hrs. **Max Marks: 100**

Note: i) Answer all the sections
ii) Draw the diagrams wherever necessary

SECTION – A

I. Answer any TEN of the following in a few sentences each. **(10x2=20)**

1. Why Pteridophytes are known as vascular Cryptogams?
2. Mention the different habitats of pteridophyte.
3. Write the morphological features of aerial stem in *Psilotum*.
4. Mention the layers of Integument in *Cycas* and write its functions.
5. List any four angiospermic features of *Gnetum*.
6. What is Tapetum? Mention its function.
7. What is helobial endosperm? Give two examples.
8. What is accessary transfusion tissue? Mention its function.
9. Define the terms- Monadelphy and syngeny.
10. What are ochreate stipules? Give an example.
11. Differentiate between epigyny and hypogyny.
12. What is Chirapterophily? Give an example.

SECTION – B

II. Answer any SIX of the following. **(6x5=30)**

1. Explain *Rhynia* on the basis of morphology.
2. Explain the following a) Cyathium b) Umbel
3. Give an illustrated account of morphology of *Marsilea*. Write the names of any two species of it.
4. Explain the male cone of *Pinus*. Add a note on its pollen grains.
5. Explain the anatomy of coralloid root.
6. Describe the characteristics of anemophilous flowers.
7. Explain the types of underground stem modifications.
8. What is Placentation? Explain any four types.

Contd....2

SECTION – C

III. Answer any FIVE of the following. (5x10=50)

1. Describe the stelar systems in pteridophytes.
2. Explain the anatomy and morphological nature of *Marsilea* Sporocarp.
3. With a neat labelled diagram explain the anatomy of *Pinus* needle.
4. Write short note on the following:
   i. Megasporophyll of *Cycas*.
   ii. Ciliated sperms
   iii. Ovuliferous scales
   iv. "Male flower" of *Gnetum*
5. Describe the developmental stages of Dicot embryo with neat labelled sketches.
6. Explain the process of double fertilization in Angiosperms.
7. Explain various types of Aerial Root modifications with suitable examples and diagrams
8. Give a detailed account of simple fleshy fruits.

****

21

(2014 Batch Onwards)

G 508.3

Reg. No.: | | | | | | |

St Aloysius College (Autonomous)
Mangaluru
B.Sc. Semester III – Degree Examination
October - 2019
ZOOLOGY
COMPARATIVE ANATOMY AND ANIMAL PHYSIOLOGY

Time: 3 Hours **Max Marks: 100**

Note: i) Answer any TEN questions from PART A and ONE FULL question from each unit of PART B.
ii) Draw diagrams wherever necessary.

PART –A

I Answer any TEN of the following. **(10X2=20)**

a) Define radial symmetry. Give an example.

b) What is Pronephric kidney? Give two examples.

c) Name the heart chambers of reptiles and aves.

d) Write a note on marasmus.

e) What is homeostasis? Explain its significance.

f) What is chloride shift?

g) Write a note on cardiac cycle.

h) What is ureotelism? Give two examples for ureotelic animals.

i) What is muscle fatigue?

j) What is thyroid gland? What is its function?

k) What is organ of Jacobson? Where is it present?

l) What are chemical transmitters? Give two examples.

PART – B

Select ONE full question from each unit.

Unit I

II a) Give a comparative account on different vertebrate kidney that you have studied. **(10)**

b) Explain briefly the structure of biradial and bilateral body symmetry. **(5)**

c) Write a note on brain structure in rat, pigeon and frog. **(5)**

OR

III a) Compare the anatomy, symmetry and body plan in animals with examples. **(10)**

b) Compare the heart and aortic arches in fishes, amphibians and mammals. **(5)**

c) Explain briefly the structure of mesonephric kidney. **(5)**

Unit II

IV a) With reference to respiration, explain the transport of CO_2 using suitable illustration. **(10)**

b) Explain protein digestion in man. **(5)**

c) Write a note on occupation related lung diseases. **(5)**

OR

Contd...2

G 508.3

V a) Explain exchange of gases, transport of oxygen and oxygen dissociation curves. (10)

b) Explain mechanical digestion in humans. (5)

c) Write a note on hormonal control of digestion and absorption. (5)

Unit III

VI a) Write an essay on composition of human blood. (10)

b) Define ultrafiltration. Explain the process of formation of primary urine. (5)

c) Explain chemical changes during muscle contraction. (5)

OR

VII a) Explain excretion in aquatic and terrestrial animals. (10)

b) Explain different steps in cardiac cycle. (5)

c) What is uremia and nephritis? (5)

Unit IV

VIII a) Name the hormones secreted by the adrenal glands. Write their functions. (10)

b) Draw a neat labeled diagram of human eye. (5)

c) Write a note on action potential. (5)

OR

IX a) Explain the structure of human ear with a neat labeled diagram. (10)

b) Explain the role of hypothalamus in endocrine system. (5)

c) Write a note on hormones of pituitary and pineal glands. (5)

****

22

G 509.3

(2014 Batch Onwards)

Reg. No.: | | | | | | |

St Aloysius College (Autonomous)
Mangaluru
B.Sc. Semester III – Degree Examination
October - 2019
MICROBIOLOGY
MICROBIAL PHYSIOLOGY AND METABOLISM

Time: 3 Hours. **Max Marks: 100**

Instructions: Answer PART A AND B AND C
Draw Diagrams wherever necessary.

PART – A

1. **Define/Answer any <u>TEN</u> of the following:** **(2x10=20)**

a) Quorum Sensing
b) Protein Kinases
c) Acid Rain
d) Thiol Esters
e) Propionibacteria
f) Chlorosomes
g) Standard free energy change
h) Lipid Catabolism
i) Free living nitrogen fixing bacteria
j) Cofactors
k) Dark Reactions
l) Nitrogenase

PART – B

Answer 'a' or 'b' and 'c' is compulsory from each unit. **(15x4=60)**

UNIT -I

2. a) Discuss ATP as an energy rich molecule and add a note on its role in metabolism. **(9)**

OR

b) Describe the structure and classification of enzymes.

c) Write a note on feedback inhibition. **(6)**

UNIT -II

3. a) Describe the enzymatic steps involved in Tricarboxylic acid cycle. **(9)**

OR

b) Define fermentation. Discuss homolactic acid fermentation.

c) Write about butanediol fermentation. **(6)**

UNIT -III

4. a) Discuss the photosynthesis in purple and green bacteria. **(9)**

OR

b) Describe the photosynthetic pigments in bacteria.

c) Write a note on the oxidation of sulphur compounds. **(6)**

UNIT –IV

5. a) Discuss nitrogen fixation by Rhizobium. **(9)**

OR

b) Explain the phosphorus cycle and write about its significance.

c) Write a note on green house effect and global warming. **(6)**

PART – C

Answer any <u>FOUR</u> of the following. **(5x4=20)**

6. a) Energy coupling reactions
b) Significance of biofilms
c) Signal transduction in bacteria
d) Allosteric regulation
e) Micro organisms involved in sulphur cycle
f) Amino acid and protein catobolism

****

23

(2013 batch onwards)

G 510.3 Reg. No: | | | | | | |

St. Aloysius College (Autonomous)

Mangaluru

B.Sc. Semester III – Degree Examination

October - 2019

BIOCHEMISTRY
ENZYMOLOGY

Time: 3 Hours **Max. Marks: 100**

Instructions: 1. Write the question and subdivision clearly.
2. Write equations & diagrams wherever necessary.
3. Answer PART-A in the first two pages of the answer book.

PART – A

Answer any TEN of the following. **(10x2=20)**

1. a) What are coenzymes? Give an example.
   b) Define specific activity of an enzyme.
   c) What are zymogens? How are they activated?
   d) Mention the significance of K_m and V_{max}.
   e) What is fold purity? How do you calculate it?
   f) Give any two applications of enzymes in food industry.
   g) What is feedback inhibition? Give an example.
   h) Why enzymes are thermo labile in nature?
   i) Define acid-base catalysis.
   j) Give Michaelis-Menten equation.
   k) To which class of enzymes does peroxidase and racemace belongs to?
   l) Who is called as father of modern enzymology? What was his work?

PART – B

Answer any SIX of the following. **(6x5=30)**

2. Give an account on different types of enzyme specificity.
3. Describe the criteria for purity of enzymes.
4. What are isoenzymes? Comment on isoforms of lactate dehydrogenase.
5. Define active site of an enzyme. Discuss the theories to prove specificity of active site.
6. Write short note on effect of modulators on sigmoidal kinetics.
7. Give the coenzyme action of PLP.
8. Explain chymotrypsin activation.
9. Discuss the application of immobilized enzymes in medicine.

Contd...2

6. Define Innate Immunity. Add a note on the physiological barriers that contribute to innate Immunity.
7. Explain the antigen-antibody interactions in Western blotting technique.
8. Is Graves disease an autoimmune disease? Elaborate.

Contd...2

PART – C

Answer any FIVE of the following. (5x10=50)

10. Write a detailed account on IUB classification of enzymes.
11. Describe the different methods of assaying enzymes.
12. Explain different types of enzyme inhibition using graphical representation.
13. Describe the factors affecting the rate of enzyme catalysed reactions.
14. Explain regulation of enzymes.
15. Explain the following:
    i) Metalloenzymes
    ii) Application of irreversible inhibitors with example
16. Write short notes on:
    i) Glucose production by enzymes
    ii) Different methods of enzyme immobilization

****

24

G 511.3

(2014 batch onwards)

Reg. No. : | | | | | | |

St Aloysius College (Autonomous)

Mangaluru

B. Sc. Semester III - Degree Examination

October - 2019

BIOTECHNOLOGY

MICROBIOLOGY AND IMMUNOLOGY

Time: 3 Hours **Max. Marks: 100**

Note: i) Answer all the questions
ii) Draw diagrams wherever necessary

PART – A

1. **Answer any TEN of the following.** **(2×10=20)**

a) Define species and strains.

b) What is elective media? Give two example.

c) What is meant by lyophilization?

d) What are extra chromosomal elements?

e) List two significances of endosphores?

f) Comment on Interferon's.

g) Write any two distinctive features of Antigens?

h) Distinguish plasma cells from memory cells.

i) Define Haematopoiesis.

j) What is passive immunization? Give an example.

k) Name any two tumour Antigens.

l) Give the causative organism of Malaria and Candidiasis.

PART – B

Answer any SIX of the following. **(5x6=30)**

2. What are the contributions of Robert koch towards Microbiology?
3. Explain differential staining with an example.
4. Describe the asexual methods of bacterial reproduction.
5. With a neat labelled diagram explain the morphology of Penicillium.
6. Define Innate Immunity. Add a note on the physiological barriers that contribute to innate Immunity.
7. Explain the antigen-antibody interactions in Western blotting technique.
8. Is Graves disease an autoimmune disease? Elaborate.

Contd...2

9. Describe the immune response towards cancer.

PART - C

Answer any FIVE of the following: (10x5=50)

10. Give an account of the chemical methods of sterilization.
11. Explain the various techniques used in isolation of microbes.
12. Name the methods used in the measurement of cell growth. Describe the standard plate count.
13. Explain the morphology and multiplication of T-phages.
14. Classify Immunoglobulins. Explain IgA in detail.
15. Define adaptive immunity. Explain with suitable examples.
16. Explain the immune response to towards tuberculosis.
17. Define vaccines? Explain the types with examples.

****

25

(2016 batch onwards)

G 110.3 /G 512.3

Reg. No. | | | | | | |

St Aloysius College (Autonomous)

Mangaluru

B.A./B.Sc. Semester III – Degree Examination

October - 2019

COMPUTER ANIMATION
MULTIMEDIA TECHNIQUES

Time: 3 hrs. **Max Marks: 100**

SECTION - A

Answer any TEN of the following: **(2×10=20)**

1. a) Explain editing.
   b) Explain a compositions.
   c) Write a brief note on nuke software.
   d) What is rendering in Adobe Premiere?
   e) Name the four types of lights.
   f) Write how to use track matte key.
   g) Describe action safe area.
   h) What is render queue in Adobe after effects?
   i) What are a shape layers?
   j) Explain universal counting leader.
   k) Can we apply lights to 2D layers? Explain.
   l) How speed and duration is useful in video editing?

SECTION – B

Answer any FOUR of the following: **(5 × 4 = 20)**

2. Name and explain the principles of editing.
3. Describe visual effects and explain its growth.
4. Explain the types of titles in Adobe premiere.
5. How to create a double acting video? Write the steps.
6. Explain about lights and camera briefly.

SECTION - C

Answer any TWO of the following: **(10×2=20)**

7. Explain media encoder and explain any five video file formats.
8. Write the steps to edit the debate programme.
9. What is digital intermediate? Discuss.

SECTION – D

Answer any TWO of the following: **(20×2=40)**

10. Explain the growth and scope of visual effects in India.
11. Write a detailed note on film editing.
12. Explain how to use particles in visual effects with example.

****

26

(2016 Batch onwards)

G 513.3

Reg. No. : | | | | | | |

St Aloysius College (Autonomous)

Mangaluru

B.Sc. - SEMESTER III – Degree Examination

October – 2019

ECONOMICS

MONETARY ECONOMICS

Time: 3 hrs. **Max Marks: 100**

PART - A

Write a note on any FOUR of the following questions in about 10 sentences each. (4×5=20)

1. Money and Near Money
2. Uses of Index Numbers
3. Co-operative Banking
4. Features of a cheque
5. SEBI
6. Objectives of World Bank

PART – B

Answer any FOUR of the following questions in about 20 sentences each. (4×10=40)

7. Explain the different methods of Note Issue.
8. Elaborate the different steps in the construction of Index Numbers.
9. Distinguish between Unit Banking and Branch Banking.
10. Explain the Investment Policy of a bank.
11. Describe the functions of a money market.
12. Explain the functions of International Monetary Fund.

PART – C

Answer any TWO of the following questions in about 50 to 60 sentences each. (2×20=40)

13. Define Money. Explain the various functions of Money.
14. Explain the Purchasing Power Parity theory. What are its limitations?
15. Explain the credit control methods of a central bank.
16. Explain the instruments and functions of a capital market.

****

27

(2018 Batch onwards)

G 702.3 Reg. No: | | | | | | |

St Aloysius College (Autonomous)

Mangaluru

B.A./B.Sc./B.C.A. Semester III – Degree Examination

October 2019

FOUNDATION COURSE IN GENDER EQUITY AND VALUE EDUCATION

Time: 3 Hours **Max. Marks: 100**

PART – A

GENDER EQUITY

I. Answer any TEN of the following in just one sentence: **(1x10=10)**

ಕೆಳಗಿನ ಯಾವುದಾದರೂ ಹತ್ತು ಪ್ರಶ್ನೆಗಳಿಗೆ ಒಂದೇ ವಾಕ್ಯದಲ್ಲಿ ಉತ್ತರಿಸಿ.

1. Define Gender Equity.
   ಲಿಂಗ ಸಮಾನತೆಯನ್ನು ವ್ಯಾಖ್ಯಾನಿಸಿರಿ.

2. What are Gender Roles?
   ಸಾಮಾಜಿಕ ಲಿಂಗ ಪಾತ್ರ ಎಂದರೇನು?
3. What is Gender bias?
   ಸಾಮಾಜಿಕ ಲಿಂಗ ಪೂರ್ವಗ್ರಹ ಎಂದರೇನು?
4. Define Sex ratio.
   ಲಿಂಗ ಅನುಪಾತ ವ್ಯಾಖ್ಯಾನಿಸಿರಿ.
5. What is gender sensitization?
   ಲಿಂಗ ಸಂವೇದನ ಎಂದರೇನು?
6. Give the meaning of female foeticide.
   ಹೆಣ್ಣು ಭ್ರೂಣಹತ್ಯದ ಆರ್ಥವನ್ನು ನೀಡಿರಿ.
7. Mention the forms of domestic violence.
   ಗೃಹ–ಹಿಂಸೆಯ ವಿಧಗಳನ್ನು ತಿಳಿಸಿರಿ.
8. Define Mental Health.
   ಮಾನಸಿಕ ಆರೋಗ್ಯವನ್ನು ವ್ಯಾಖ್ಯಾನಿಸಿರಿ.
9. Expand PMLA.
   ಪಿ.ಎಂ.ಎಲ್.ಎ ಎಂಬುದನ್ನು ವಿಸ್ತರಿಸಿ ಬರೆಯಿರಿ.
10. What is Dowry?
    ವರದಕ್ಷಿಣೆ ಎಂದರೇನು?
11. Define Globalization.
    ಜಾಗತೀಕರಣವನ್ನು ವ್ಯಾಖ್ಯಾನಿಸಿರಿ.
12. Who is the present chairperson of National commission for women?
    ರಾಷ್ಟ್ರೀಯ ಮಹಿಳಾ ಆಯೋಗದ ಪ್ರಸ್ತುತ ಅಧ್ಯಕ್ಷರು ಯಾರು?

II. Answer any TEN of the following questions in about two sentences each: **(2x10=20)**

ಕೆಳಗಿನ ಯಾವುದಾದರೂ ಹತ್ತು ಪ್ರಶ್ನೆಗಳಿಗೆ ಎರಡು ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿ.

13. Differences between Masculinity and Femininity.
    ಪುರುಷತ್ವ ಮತ್ತು ಸ್ತ್ರೀತ್ವದ ನಡುವಿನ ವ್ಯತ್ಯಾಸಗಳು.
14. What is 'Sarve Santu Niramayah'?
    'ಸರ್ವೆ ಸಂತು ನಿರಾಮಾಯ' ಎಂದರೇನು?

Contd...2

15. Trafficking in women
ಮಹಿಳೆಯರ ಕಳ್ಳ ಸಾಗಣೆ.

16. What is gender division of labour?
ಲಿಂಗಾಧಾರಿತ ಶ್ರಮ ವಿಭಜನೆ ಎಂದರೇನು?

17. Define Primary Health.
ಪ್ರಾಥಮಿಕ ಆರೋಗ್ಯವನ್ನು ವ್ಯಾಖ್ಯಾನಿಸಿರಿ.

18. What is MTP Act?
ಎಂ.ಟಿ.ಪಿ. ಕಾಯ್ದೆ ಎಂದರೇನು?

19. Mention the offences relating to marriage.
ವಿವಾಹ ಸಂಬಂದಿತ ಆಪರಾಧಗಳನ್ನು ಸೂಚಿಸಿರಿ.

20. What is child sexual abuse?
ಮಕ್ಕಳ ಲೈಂಗಿಕ ದುರ್ಬಳಕೆ ಎಂದರೇನು?

21. What is honour killing?
ಗೌರವ ಹತ್ಯೆ ಎಂದರೇನು?

22. List the contributions of Brahmo Samaj to female education.
ಮಹಿಳೆಯರ ಶಿಕ್ಷಣಕ್ಕಾಗಿ ಬ್ರಹ್ಮಸಮಾಜದ ಕೊಡುಗೆಗಳನ್ನು ಪಟ್ಟಿ ಮಾಡಿರಿ.

23. Mention the two objectives of National Commission for Women.
ರಾಷ್ಟ್ರೀಯ ಮಹಿಳಾ ಆಯೋಗದ ಎರಡು ಉದ್ದೇಶಗಳನ್ನು ಸೂಚಿಸಿರಿ.

24. Define Divorce.
ವಿವಾಹ ವಿಚ್ಛೇದನೆಯನ್ನು ವ್ಯಾಖ್ಯಾನಿಸಿರಿ.

III. Answer any <u>FOUR</u> of questions in about 20 lines each: **(10x4=40)**
ಕೆಳಗಿನ ಯಾವುದಾದರೂ <u>ನಾಲ್ಕು</u> ಪ್ರಶ್ನೆಗಳಿಗೆ 20 ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿ.

25. Describe the status of women in India.
ಭಾರತದಲ್ಲಿ ಮಹಿಳೆಯರ ಸ್ಥಾನಮಾನವನ್ನು ವಿವರಿಸಿರಿ.

26. Discuss the factors affecting maternal mortality.
ಮಾತೃ ಮೃತ್ಯುದರವುವಿಕೆ ಕಾರಣವಾಗುವ ಅಂಶಗಳನ್ನು ಚರ್ಚಿಸಿರಿ.

27. Explain Alma Ata declaration.
ಅಲ್ಮಾ ಆಟಾ ಪ್ರಕಟನೆಯನ್ನು ವಿವರಿಸಿರಿ.

28. Describe the initiatives taken by the government to promote the rights of the girl child.
ಹೆಣ್ಣು ಮಕ್ಕಳ ಹಕ್ಕುಗಳನ್ನು ಪ್ರೋತ್ಸಾಹಿಸಲು ಸರಕಾರ ತೆಗೆದುಕೊಂಡ ಉಪಕ್ರಮಗಳನ್ನು ವಿವರಿಸಿರಿ.

29. Explain the discrimination against girl child in India.
ಭಾರತದಲ್ಲಿ ಹೆಣ್ಣು ಮಕ್ಕಳ ವಿರುದ್ಧ ಪಕ್ಷಪಾತವನ್ನು ವಿವರಿಸಿರಿ.

30. Explain the functions of Karnataka State Commission for Women.
ಕರ್ನಾಟಕ ರಾಜ್ಯ ಮಹಿಳಾ ಆಯೋಗದ ಕಾರ್ಯಗಳನ್ನು ವಿವರಿಸಿರಿ.

Contd...3

PART – B

VALUE EDUCATION

IV. Answer any FOUR questions in about 8-10 sentences. Each question carries FIVE marks: **(5x4=20)**

ಕೆಳಗಿನ ಯಾವುದಾದರೂ ನಾಲ್ಕು ಪ್ರಶ್ನೆಗಳನ್ನು 8-10 ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿರಿ. ಪ್ರತಿಯೊಂದು ಪ್ರಶ್ನೆಗೂ 5 ಅಂಕಗಳು.

31. Define marriage. Explain the significance of Marriage.
ವಿವಾಹವನ್ನು ವ್ಯಾಖ್ಯಾನಿಸಿ. ವಿವಾಹದ ಮಹತ್ವವನ್ನು ವಿವರಿಸಿರಿ.

32. What are the factors influencing the decision of marriage?
ವಿವಾಹದ ನಿರ್ಧಾರಕ್ಕೆ ಪ್ರಭಾವ ಬೀರುವ ಅಂಶಗಳನ್ನು ವಿವರಿಸಿರಿ.

33. Write a note on Reproductive Health.
ಸಂತಾನೋತ್ಪತ್ತಿ ಆರೋಗ್ಯದ ಬಗ್ಗೆ ಒಂದು ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ.

34. What are the signs and symptoms of Miscarriage? Explain.
ಗರ್ಭಪಾತದ ಚಿಹ್ನೆಗಳು ಮತ್ತು ಲಕ್ಷಣಗಳೇನು? ವಿವರಿಸಿರಿ.

35. Examine the disadvantages of Artificial Birth Control method.
ಕೃತಕ ಜನನ ನಿಯಂತ್ರಣ ವಿಧಾನದ ಅನಾನುಕೂಲತೆಗಳನ್ನು ಪರಿಶೀಲಿಸಿ.

36. Define family. Explain the characteristics of functional family.
ಕುಟುಂಬವನ್ನು ವ್ಯಾಖ್ಯಾನಿಸಿರಿ. ಕ್ರಿಯಾತ್ಮಕ ಕುಟುಂಬದ ಲಕ್ಷಣಗಳನ್ನು ವಿವರಿಸಿರಿ.

V. Answer any ONE question in about 20 sentences. The Question carries TEN marks: **(10x1=10)**

ಕೆಳಗಿನ ಯಾವುದಾದರೂ ಒಂದು ಪ್ರಶ್ನೆಯನ್ನು 20 ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿ. ಪ್ರಶ್ನೆಗೆ 10 ಅಂಕಗಳು.

37. Explain the common causes for Divorce.
ವಿಚ್ಛೇದನಕ್ಕಿರುವ ಸಾಮಾನ್ಯ ಕಾರಣಗಳನ್ನು ವಿವರಿಸಿರಿ.

38. Discuss the methods of Family planning.
ಕುಟುಂಬ ಯೋಜನೆಯ ವಿಧಾನಗಳನ್ನು ಚರ್ಚಿಸಿ ಬರೆಯಿರಿ.

****