

(2016 batch onwards)

G 135.2/535.2/335.2/435.2/635.2

Reg. No.:

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St Aloysius College (Autonomous)**Mangaluru****B.A./B.Sc./B.Com./B.B.A/B.C.A Semester II – Degree Examination****April - 2018****ENGLISH**

Time: 3 hrs.

Max Marks: 100

PROSE**I Answer the following in a word, phrase, or sentence each. (1x5=5)**

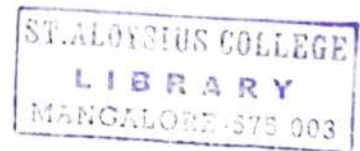
1. What irritated the author Jerome when he started packing?
2. Who wrote the poem "She walks in beauty"?
3. Why was the plan of Space Regatta Consortium not implemented?
4. What, according to Murthy is the corner stone of self-knowledge?
5. What is Fatal to a plant as to a man, In the opinion of Bose?

II Answer any FIVE of the following in about 80 words each. (5x5=25)

1. How is light pollution a biological nuisance?
2. How did Harris and George make packing exciting?
3. Can you call Narayan Murthy a visionary? Why?
4. What is the difference between "fixed mind set" and "growth mind set"?
5. Explain the stanza quoted from "She walks in beauty" in the context of "Light Pollution".
6. How does Aldous Huxley explain the agony of plants?
7. Explain the personal life journey of Mr. Murthy.

POETRY**III Annotate any TWO of the following in about 80 words each. (5x2=10)**

1. Only the worm, colonel of Carrion, cries:
"Waste no compassion on these separate dead!"
Statistics justify and scholars seize.
The salients of colonial policy.
What is that to the white child hacked in bed?
To savages, expendable as Jews?
2. There is no shape more terrible than this –
More tongued with censure of the world's blind greed.
More filled with signs and portents for the soul.
More fraught with menace to the Universe.
3. We slowly drove – He knew no haste
And I had put away
My labor and my leisure too,
For his civility.



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IV Answer any THREE of the following in about 100 words each. (5x3=15)

1. Why does Maya Angelou list a number of myths and legends in the poem Africa?
2. What are the three phases described in the poem "A Far cry from Africa"? Explain.
3. How does Markham present the degraded condition of man in the poem "The Man with a Hoe"?
4. What is the speaker's attitude towards death in the poem "Because I could not stop for death"?

SHORT STORY

V Answer any THREE of the following in about 100 words each. (5x3=15)

1. Write a note on Appa-Mam's family.
2. Why do you think Appa-Mam was called names by people in his family? Explain.
3. What did Ivan think of his poor relatives?
4. How does Ivan visualize himself in early and late autumn?

GRAMMAR AND VOCABULARY

1. Rewrite the following sentences according to the instructions given in brackets. (1x5=5)

1. He was an eminent scientist. He was also a famous author.
(Combine the two sentences using "Besides")
2. He is good dancer. He is also a good painter.
(Combine using "not only...but also")
3. This book is so boring that I cannot read it.
(Use "too - to")
4. Kishore does not own a car. Vasu also doesn't have one.
(Combine using "neither ... nor")
5. Vijay said, "Thank you for your advice Sudeep. I feel greatly relieved".
(write in Reported speech)

2. Fill in the blanks with appropriate phrasal verbs. (1x5=5)

1. The plane is about to
(take up, take off)
2. The racing car after it crashed into the fence.
(blew off, blew up)
3. Please your room before you go outside.
(clean out, clean up)
4. Please before I transfer your call to the sales department.
(hold out, hold on)
5. We are going to the price of cereals today.
(look into, look upon)

3. Correct the errors in the following sentences. (1x5=5)

1. The train was being late by four hours yesterday.
2. My sister is older to me by six years.
3. A teacher takes pride of his students' successes.
4. If I am you, I would stop talking to her.
5. The branch struck him hard and lay him unconscious.

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

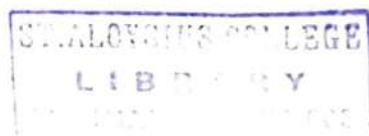
A European study revealed that 100% fruit and vegetable juices are as effective as their whole fruit or vegetable counter parts in reducing risk factors related to certain diseases. The conclusion is the result of the study designed to question traditional thinking that 100% juices play a less significant role in reducing risk factors for both cancer and cardio-vascular disease than whole fruits vegetables.

Juices are comparable in their ability to reduce risk vis-à-vis their whole fruit or vegetable counterparts, according to several researchers in the United Kingdom who conducted the literature review. These researchers analysed a variety of studies that looked at risk reduction attributed to the effects of both fibre and anti-oxidants. As a result they determined that the positive impact fruits and vegetables offer come not from the fibre but also from the whole fruit and vegetables.

The researchers added that the positioning of juices as being nutritionally inferior to whole fruits and vegetables in relationship to chronic disease development is "unjustified" and the policies that suggest otherwise about fruit and vegetable juices should be re-examined.

1. A person who studies a subject methodically to discover facts. (1)
(Choose a right word from the passage)
2. What is the outcome of European study regarding fruit and vegetable Juices? (2)
3. What is the outcome of U.K researcher's studies on various literature review conducted in this area? (2)
5. You are elected as the Secretary of Debating Association of your college and you are expected to address its members during the inauguration of the association. Give a brief self-introduction on this occasion and welcome them giving the aims and objectives of the association. (5)
6. Give one word substitutes for the following. Choose the appropriate answers from words given in parenthesis. (1x5=5)
 1. The European colonizers imagined native Carribeans as eating human flesh.
 2. The students laughed quietly at the silly mistakes made by the English teacher.
 3. The classroom was in a total state of confusion.
 4. He took some time to think deeply over the matter.
 5. The Maths teacher became rigid with anger.

(bristling, chaos, cannibal, mull, chuckle, flesh eater, cry)



(2014 Batch onwards)

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St Aloysius College (Autonomous)**Mangaluru****B.A./B.Com./B.B.A./B.Sc./B.C.A. Semester II - Degree Examination****April - 2018****HINDI**

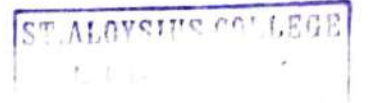
Time: 3 hrs.

Max Marks: 100

I अ) एक वाक्य में उत्तर लिखिए -

(6×1=06)

1. क्रिया की परिभाषा लिखिए।
2. माँ बच्चों को खाना पका रही है। (दिकर्मक क्रिया को पहचानिए)
3. अनुकरणवाचक क्रिया किसे कहते हैं?
4. हैसना ; इसका प्रथम प्रेरणार्थक शब्द _____।
5. रमेश नाटक खेलता है। (कर्मवाच्य में बदलिए)
6. नानी ने कहानी सुनायी होगी। _____ भूतकाल के लिए उदाहरण है।



आ) किन्हीं दो प्रश्नों का उत्तर लिखिए -

(2×7=14)

1. कर्म के कारण क्रिया के कितने भेद हैं? परिभाषा लिखकर भेदों को उदाहरण सहित समझाइए।
2. भूतकाल किसे कहते हैं? किन्हीं पाँच भेदों को उदाहरण सहित लिखिए।
3. बनावट के कारण क्रिया के कितने भेद हैं? प्रेरणार्थक क्रिया बनाने के मुख्य नियमों को उदाहरण सहित स्पष्ट कीजिए।

II अ) एक वाक्य में उत्तर लिखिए -

(6×1=06)

1. मूल क्रिया-विशेषण अव्यय किसे कहते हैं?
2. प्रयोग के विचार से क्रिया विशेषण अव्यय के कितने प्रकार होते हैं?
3. उसके _____ में कुछ नहीं कर पाऊँगा। (रिक्त स्थान की पूर्ति उचित सम्बंधबोधक अव्यय से कीजिए)
4. _____! तुमने वंश का नाम उज्ज्वल कर दिया। (विस्मयादिबोधक अव्यय का प्रयोग कीजिए)
5. संयोजक अव्यय किसे कहते हैं?
6. परिमाणवाचक क्रियाविशेषण के लिए एक उदाहरण दीजिए।

आ) किन्हीं दो प्रश्नों का उत्तर लिखिए -

(2×7=14)

1. सम्बंधबोधक अव्यय किसे कहते हैं? भेदों को उदाहरण समझाइए।
2. प्रयोग के विचार से क्रिया विशेषण अव्यय के भेदों को उदाहरण सहित लिखिए।
3. विस्मयादि बोधक अव्यय किसे कहते हैं? उसके प्रकारों को उदाहरण सहित स्पष्ट कीजिए।

III अ) एक वाक्य में उत्तर लिखिए -

(6×1=06)

1. कबीर किसे अपने पास रखने की बात कर रहे हैं?
2. कृष्ण को मारने के लिए कंस ने किसे भेजा था?
3. बिहारी किसे अपनी संपत्ति मानते हैं?
4. रहीम ने किसे बांवरी कहा है?
5. राम ने किससे नाव माँगी थी?
6. मीराबाई को मारने के लिए किसने विष का प्याला भेजा था?

Contd..2

आ) किसी एक पर टिप्पणी लिखिए -

(1×6=06)

1. रहीम । 2. सूरदास । 3. तुलसीदास ।

इ) किसी एक की संदर्भ सहित व्याख्या कीजिए -

(1×6=06)

1. यह रहीम निज संग लै, जनमत जगत न कोय ।
बैर, प्रित, अभ्यास जस, होत-होत ही होय ॥

2. सुन केवट के बयन, प्रेम लपेटे अटपटे ।

बिहँसे करुना-अयन, चितै जानकी-लषन तन ॥

ई) किसी एक प्रश्न का उत्तर लिखिए -

(1×12=12)

1. कबीरदास के दोहों का सार लिखकर उनके विचारों पर प्रकाश डालिए ।
2. मीराबाई का जीवन कृष्ण की भक्ति के लिए समर्पित है । स्पष्ट कीजिए ।

IV अ) एक वाक्य में उत्तर लिखिए -

(6×1=06)

1. झाँसी दुर्ग पर किसने अपना झण्डा फहराया था ?
2. गौतम ऋषि ने अहल्या को क्या अभिशाप दिया था ?
3. नाश का त्योहर कविता के रचयिता कौन है ?
4. कवि नरेन्द्र शर्मा निर्जीव शून्य खासों में क्या फूँक देना चाहते हैं ?
5. बच्चन के अनुसार कविता का प्याला भरनेवाला कौन है ?
6. प्रलय के प्रवाह को हिमगिरी के उत्तुंग शिखर पर बैठकर कौन देख रहा था ?

आ) किसी एक पर टिप्पणी लिखिए -

(1×6=06)

1. नरेन्द्र शर्मा । 2. हरिवंशराय बच्चन । 3. जयशंकर प्रसाद ।

इ) किसी एक की संदर्भ सहित व्याख्या कीजिए -

(1×6=06)

1. पतन की महिमा सजग, सुन्दर लपकती जा रही है,
एक अनहोनी कहानी-सी टपकती जा रही है ।

2. कर प्रकाश बन्दी दीपक में

तम में तुमने किया उजाला,

जैसे वन को, वैसे मन को

फिर ईशवर भी खोज निकाला,

सृजनहार के सृजनहार तुम, तुम ही प्रतिपालक, बन्दी ।

ई) किसी एक प्रश्न का उत्तर लिखिए -

(1×12=12)

1. पाषाणी कविता का सार लिखिए ।

2. 'झाँसी की रानी' कविता में कवयित्री ने देश भक्ति की क्रांति का सिंहनाद करती लक्ष्मीबाई का वर्णन किस प्रकार किया है ? स्पष्ट कीजिए ।

(2015 batch onwards)

G 537.2/637.2

Reg. No.

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ಸಂತ ಅಲೋಶಿಯಸ್ ಕಾಲೇಜು (ಸ್ವಾಯತ್ತ) ಮಂಗಳೂರು

ಬಿ.ಎಸ್ಸಿ / ಬಿ.ಸಿ.ಎ. - ಎರಡನೆಯ ಚತುರ್ಮಾಸ ಅಂತಿಮ ಪರೀಕ್ಷೆ

ಏಪ್ರಿಲ್ - 2018

ಕನ್ನಡ ಭಾಷಾ ಪತ್ರಿಕೆ - 2

ಸಮಯ : 3.00 ಘಂಟೆ

ಅಂಕಗಳು : 100

I : ಕಾವ್ಯ ಭಾಗ - 1

ಅ) ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಲ್ಲಿ ಎರಡನ್ನು ಪ್ರಬಂಧ ರೂಪದಲ್ಲಿ ಉತ್ತರಿಸಿ

10X2=20

1. ಕರ್ಣನು ಭೀಷ್ಮರನ್ನು ಏನೆಂದು ಮೂದಲಿಸಿದನು? ಅದಕ್ಕೆ ಭೀಷ್ಮರ ಪ್ರತಿಕ್ರಿಯೆಯೇನು? ತಿಳಿಸಿ
2. ಕುಂತಿಯ ಬಡತನದ ದಾರುಣತೆ 'ಕೊಂತ್ಯಮ್ಮ' ಜನಪದದಲ್ಲಿ ಹೇಗೆ ನಿರೂಪಿತವಾಗಿದೆ?
3. ಬವಣೆಗಳ ನಡುವೆಯೂ 'ಬಾಳಿನಾಸೆಗೆ ಹಾಲನೆರೆಯುವ' ಆಶಾವಾದ 'ಕುಂಕುಮಭೂಮಿ' ಕವಿತೆಯಲ್ಲಿ ಅನಾವರಣಗೊಂಡ ಬಗೆಯನ್ನು ತಿಳಿಸಿ

ಆ) ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಲ್ಲಿ ಒಂದನ್ನು ಟಿಪ್ಪಣಿ ರೂಪದಲ್ಲಿ ಉತ್ತರಿಸಿ

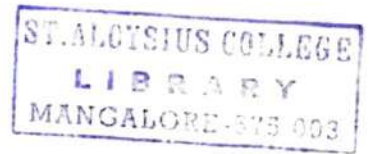
3X1=03

1. ಜಿ.ಎಸ್.ಶಿವರುದ್ರಪ್ಪ
2. 'ಬಡತನದ ಬಡಬಾಗ್ನಿ' ಕುರಿತು ಬರೆಯಿರಿ.

ಇ) ಕೆಳಗಿನ ಪದ್ಯಗಳಲ್ಲಿ ಒಂದರ ಭಾವಾನುವಾದ - ಸಂದರ್ಭ - ಸ್ವಾರಸ್ಯಗಳನ್ನು ವಿಶ್ಲೇಷಿಸಿ

6X1=06

1. ರಕ್ತಾಂಜಲಿಯನಿತ್ತು ರಣರಂಗದಲಿ ಸತ್ತು
ಆಮರನಾಗುವ ಕಾಲ ಇಲ್ಲವೆಂದು
ನಮ್ಮ ನೆತ್ತರವೆಲ್ಲ ನಮ್ಮ ಹತ್ತಿರವಿರಲಿ
ಬದುಕನ್ನು ಆರಿಯೋಣ, ಬಾರ ಬಂಧು
2. ನರ ನಾರಾಯಣರಿವರೆ
ಧರದೊಳ್ ಮಾರ್ಕೊಳ್ವರೆನ್ನನೊರ್ವಂ ಮೊಮ್ಮಂ
ಪರಮಗುರುವೊರ್ವನವರಿ
ವರಮಂ ಕಾದಟೆವೆನುಟೆದರಿಪುನೃಪಬಲಮಂ



ಈ) ಕೆಳಗಿನ ಪದ್ಯದ ಸಾಲುಗಳಲ್ಲಿ ಎರಡರ ಸಂದರ್ಭ - ಸ್ವಾರಸ್ಯಗಳನ್ನು ವಿಶ್ಲೇಷಿಸಿ

3X2=06

1. ಇದೇಂ ದಾಯಿಗತನಮನೆಮಗವರ್ ತೋಟೆದಪರ್
2. ಧರೆಯೊಳಗೆ ಋಣದವನ ಜಯಿಸಲಳವಲ್ಲ
3. ಸಾವಿಲ್ಲದ ಕೇಡಿಲ್ಲದ ರೂಹಿಲ್ಲದ ಚೆಲುವಂಗೊಲಿದವಳು

ಉ) ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಿಗೆ ವಸ್ತುನಿಷ್ಠ ರೂಪದಲ್ಲಿ ಉತ್ತರಿಸಿ

1X5=05

1. 'ವಿಕ್ರಮಾರ್ಜುನ ವಿಜಯ' ಕೃತಿಯ ಇನ್ನೊಂದು ಹೆಸರು -----
2. ಪುರಂದರದಾಸರ ಗುರುಗಳ ಹೆಸರೇನು?
3. 'ಬಡತನದ ಬಡಬಾಗ್ನಿ'ಯ ಕವಿ ಯಾರು?
4. ಚಂದ್ರಶೇಖರ ಪಾಟೀಲರು ಜನಿಸಿದ ಸ್ಥಳ ಯಾವುದು?
5. ಬಾಣನ ಗದ್ಯ ಗ್ರಂಥ ಯಾವುದು?

contd...2

II : ಗದ್ಯ ಪ್ರಬಂಧಗಳು

ಅ) ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಲ್ಲಿ ಎರಡನ್ನು ಪ್ರಬಂಧ ರೂಪದಲ್ಲಿ ಉತ್ತರಿಸಿ

10X2=20

1. ವಿಜ್ಞಾನ ಮತ್ತು ಸಾಹಿತ್ಯದ ಸಂಬಂಧವನ್ನು ನೇಮಿಚಂದ್ರ ಹೇಗೆ ನಿರೂಪಿಸಿದ್ದಾರೆ?
2. ಲೋಹ್ಯನಲ್ಲಿನ ಒಂದು ದಿನದ ಅನುಭವವನ್ನು ವಿವೇಕ ರೈ ಹೇಗೆ ಹಂಚಿಕೊಂಡಿದ್ದಾರೆ?
3. ಶಿಷ್ಯ ವೈದ್ಯ ಜನಪದವೈದ್ಯರಿಂದ ಕಲಿಯಬೇಕಾದ ವಿಷಯ ಆಗಾಧವಾಗಿದೆ? ಹೇಗೆ? ಪೂರ್ಣಚಂದ್ರರ 'ಮೂಲಿಕೆ ಬಳ್ಳಿ' ಹಿನ್ನಲೆಯಲ್ಲಿ ನಿರೂಪಿಸಿ

ಆ) ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಲ್ಲಿ ಒಂದನ್ನು ಟಿಪ್ಪಣಿ ರೂಪದಲ್ಲಿ ಉತ್ತರಿಸಿ

6X1=06

1. ತೇಜಸ್ವಿಯವರ ಕೆಲಸದಾಳು ಕೃಷ್ಣನ ಕುರಿತು ಬರೆಯಿರಿ
2. 'ಹಿಮಗೌರಿ' ಕಥೆಯ ಕುರಿತು ಬರೆಯಿರಿ (ಸೋವೈಟ್ ಮತ್ತು ಏಳುಜನ ಕುಳ್ಳರ ಕತೆ)

ಇ) ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಿಗೆ ವಸ್ತುನಿಷ್ಠ ರೂಪದಲ್ಲಿ ಉತ್ತರಿಸಿ

1X4=04

1. ಬ್ಲೋಕ್ ಕಂಪನಿಯ ಮುಖ್ಯ ಕಛೇರಿ ಯಾವ ಪಟ್ಟಣದಲ್ಲಿದೆ?
2. ತೇಜಸ್ವಿಯವರ ತಾಯಿಯ ಹೆಸರೇನು?
3. 'ರೇಡಿಯಂ' ಕಂಡು ಹಿಡಿದವರು ಯಾರು?
4. ನೇಮಿಚಂದ್ರ ಅವರ ಕೃತಿಯೊಂದನ್ನು ಹೆಸರಿಸಿ

III : ನಾಟಕ

ಅ) ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಲ್ಲಿ ಒಂದನ್ನು ಪ್ರಬಂಧ ರೂಪದಲ್ಲಿ ಉತ್ತರಿಸಿ

10X1=10

1. ಬಲಿ ಮತ್ತು ಮಾಣಿಯರ ಸಂಭಾಷಣೆಯ ಸ್ವಾರಸ್ಯವನ್ನು ವಿವರಿಸಿ
2. ಶುಕ್ರಾಚಾರಿ ಮತ್ತು ಬೃಹಸ್ಪತಿಯರ ಸಂವಾದವನ್ನು ನಿರೂಪಿಸಿ.

ಆ) ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಲ್ಲಿ ಎರಡನ್ನು ಟಿಪ್ಪಣಿ ರೂಪದಲ್ಲಿ ಉತ್ತರಿಸಿ

3X2=06

1. ಕಳಂಜ
2. ಈಶ್ವರ
3. ಉಳ್ಳಲ್ಲಿ

ಇ) ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಿಗೆ ವಸ್ತುನಿಷ್ಠ ರೂಪದಲ್ಲಿ ಉತ್ತರಿಸಿ

1X4=04

1. ಕೋಶರರ ಗುರು ಯಾರು?
2. 'ಮೂರು ಹೆಜ್ಜೆ ಮೂರು ಲೋಕ' ನಾಟಕವನ್ನು ಕನ್ನಡಕ್ಕೆ ಅನುವಾದಿಸಿದವರು ಯಾರು?
3. ಅಣ್ಣಪ್ಪ ಹೆಗಡೆ ಯಾರು?
4. ತಂತ್ರಿಗಳಲ್ಲಿ ತಂತ್ರಿಗಳಾದವರು ಯಾರು?

IV : ತ್ರಿಯಾತ್ಮಕ ಕನ್ನಡ

ಅ) ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಲ್ಲಿ ಒಂದನ್ನು ಪ್ರಬಂಧ ರೂಪದಲ್ಲಿ ಉತ್ತರಿಸಿ

7X1=07

1. ವಿಜ್ಞಾನವನ್ನು ಜನಪ್ರಿಯಗೊಳಿಸಲು ಕೈಗೊಂಡ ಕ್ರಮಗಳಾವುವು? ವಿವರಿಸಿ
2. ಕನ್ನಡ ವಿಜ್ಞಾನ ಸಾಹಿತ್ಯದ ಬೆಳವಣಿಗೆಗೆ ಶಿವರಾಮಕಾರಂತರ ಕೊಡುಗೆಗಳೇನು?

ಆ) ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳಿಗೆ ವಸ್ತುನಿಷ್ಠ ರೂಪದಲ್ಲಿ ಉತ್ತರಿಸಿ

1X3=03

1. ಮೈಸೂರು ವಿ.ವಿ.ಯಿಂದ ಈಗ ಪ್ರಕಟವಾಗುತ್ತಿರುವ ಪತ್ರಿಕೆಯ ಹೆಸರೇನು?
2. ಆರ್. ಎಲ್. ನರಸಿಂಹಯ್ಯನವರು ಸೆಂಟ್ರಲ್ ಕಾಲೇಜಿನಲ್ಲಿ ಯಾವ ವಿಷಯದ ಪ್ರಾಧ್ಯಾಪಕರಾಗಿದ್ದರು?
3. ಮೊದಲನೆಯ ಅಖಿಲ ಕರ್ನಾಟಕ ವಿಜ್ಞಾನ ಸಮ್ಮೇಳನ ನಡೆದ ಸ್ಥಳ ಯಾವುದು?

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St Aloysius College (Autonomous)**Mangaluru****B.Sc. Semester II – Degree Examination****April - 2018****SANSKRIT****Time: 3 Hours****Max. Marks: 100**

1 **श्लोकत्रयाणाम् अन्वयार्थं तात्पर्यं च कर्णाटकभाषया आंग्लभाषया वा लिखत । 3 X 6 = 18**

- 1.1 कैलासगौरं वृषमारुरुक्षोः पादारपणानुग्रहपूतपृष्ठम् ।
अवेहि मां किङ्करमष्टमूर्तेः कुम्भोदरं नाम निकुम्भमित्रम् ॥
- 1.2 मातेव रक्षति पितेव हिते नियुङ्क्ते कान्तेव चाभिरमयत्यपनीय खेदम् ।
कीर्तिं च दिक्षु विमलां वितनोति लक्ष्मीं किं किं न साधयति कल्पलतेव विद्या ॥
- 1.3 त्रिविधा भवति श्रद्धा देहिनां सा स्वभावजा ।
सात्त्विकी राजसी चैव तामसी चेति तां शृणु ॥
- 1.4 एकातपत्रं जगतः प्रभुत्वं नवं वयः कान्तमिदं वपुश्च ।
अल्पस्य हेतोः बहु हातुमिच्छन् विचारमूढः प्रतिभासि मे त्वम् ॥
- 1.5 व्याघ्रीव तिष्ठति जरा परितर्जयन्ती रोगाश्च शत्रव इव प्रहरन्ति देहम् ।
आयुः परिस्रवति भिन्नघटादिवाम्भः लोकस्तथाप्यहितमाचरतीति चित्रम् ॥

2 **पञ्चानां वाक्यविवरणं कर्णाटकभाषया आङ्ग्लभाषया वा लिखत । 5 X 5 = 25**

- 2.1 प्रसादचिह्नानि पुरः फलानि ।
- 2.2 नो चेत्त्वया सह मे परलोके दर्शनम् ।
- 2.3 आहारा राजसस्येष्टा दुःखशोकामयप्रदाः
- 2.4 काकोऽपि जीवति चिराय बलिं च भुङ्क्ते ।
- 2.5 सुदक्षिणायां तनयं ययाचे ।
- 2.6 किं कस्यचित् हृदयद्वयं भवति ?
- 2.7 दीयते च परिक्लिष्टं तद्दानं राजसं स्मृतम् ।



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

- 3.1 कालिदासः ।
- 3.2 भगवद्गीता ।
- 3.3 सूक्तयः ।

4 **चतुर्णां प्रबन्धरूपेण कर्णाटकभाषया आङ्ग्लभाषया वा लिखत । 4 X 8 = 32**

- 4.1 वानरः मकरत् स्वप्राणान् कथं रक्षितवान् ? यथा पाथं विवृणुत ।
- 4.2 श्रद्धात्रयविभागयोगः पाठस्य सारं लिखत ।
- 4.3 नन्दिन्या दिलीपसत्त्व परीक्षणं कथं कृतम् ? विवृणुत ।
- 4.4 सूक्तिमुक्तावलिः पाठे प्रतिपादितानि जीवनमौल्यानि कानि ? विवृणुत ।
- 4.5 कृशानुविश्वावसोः सम्भाषणं पाठोत्करीत्या लिखत ।

5 त्रयोदशानां प्रश्नानां संस्कृतभाषया उत्तराणि लिखत ।

- 5.1 ----- सुतरां दयालुः । (निरीक्ष्यमाणः, निरीक्ष्यमाणात्, निरीक्ष्यमाणत्वात्)
- 5.2 श्रेयसां एष ----- । (मार्गः, मार्गस्य, मार्गेण)
- 5.3 ----- सात्विकप्रियाः । (आहारम्, आहारेण, आह्वयः)
- 5.4 प्रभोः भावः ----- (प्रभुता, प्रभुत्वम्, प्रभुः)
- 5.5 ब्राह्मणास्तेन वेदाश्च यज्ञाश्च ----- पुरा । (विहिताः, विहितेन, विहितस्य)
- 5.6 मम इदं ----- । (मदीयम्, माम्, मदीया)
- 5.7 ----- धेनुरियं महर्षेः । (विसृज्यतां, विसृज्यतात्, विसृज्यम्)
- 5.8 दीयते च परिवर्त्तिष्टं तद्दानं राजसं ----- । (स्मृतानि, स्मृतस्य, स्मृतम्)
- 5.9 तद्यज्ञः शस्त्रभृतां ----- । (क्षिणोति, क्षिणुत, क्षिणोमि)
- 5.10 न ----- करोत्यरोगम् । (नाममात्रः, नाममात्रेण, नाममात्रस्य)
- 5.11 यशोधनो धेनुमृषेः ----- । (मुमोच, मुमोचाः, मुमुञ्च)
- 5.12 न नीतिमार्गं ----- । (परिलङ्घयन्ति, परिलङ्घ्यसि, परिलङ्घयति)
- 5.13 तर्हि ----- प्रायोपवेशनं विद्धि । (मया, अहम्, सः)
- 5.14 विचारमूढः प्रतिभासि मे ----- । (सः, अहम्, त्वम्)
- 5.15 ----- धेनुं मुमोच । (वनस्य, वनात्, वनाय)

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St Aloysius College (Autonomous)

Mangaluru

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

April - 2018

KONKANI

Time: 3 Hours

Max. Marks: 100

UNIT -I

1] ಸವಲಾಂಕ್ ಜಾಪಿ ಬರಯಾ

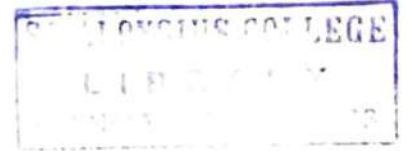
(5×1=5)

- ಅ) ಇಗರ್ಜಿ ಫಾಂಟ್ ಕವನಾಚೊ ಲೇಖಕ್ ಕೋಣ್?
- ಆ) ಸಾಂಕೊವ್ ಖಿಂಚಾಕ್ ಸರಿ ಜಾಲಾ?
- ಇ) ಸೊಮಿಯಾಚೊ ಪಾಶಾಂವ್ ಕಿತೆಂ ಜಾವ್ನಾಸಾ?
- ಈ) ಕೊಣೆಂ ಕೊಣಾಕ್ ಸಯ್ಕಿಕ್ ಸೊದ್ಲಿಂ?
- ಉ) ಕವಿ ಅಪ್ಲಾಚ್ಯಾ ಕುಡಿಕ್ ಕಿತೆಂ ವಿಚಾರ್ತಾಂ?

2] ಖಿಂಚಾಯ್ ದೊನಾಂಕ್ ಜಾಪ್ ಬರಯಾ:

(2×5=10)

- ಅ) ರಾಗಾರ್ ಜಾಯ್ನಾಕಾತ್
ತುಮಿ ದಿಲ್ಲಲ್ಯಾ ಬಾರಾ ಕುಡಾಂಚ್ಯಾ
ರಾವ್ಲೆರಾ ಥಾವ್ನ್
ಹ್ಯಾ ಎಕಾ ಕುಡಾಚ್ಯಾ ಬಿಡಾರಾಕ್
ಹಾಂವೆಂ ವಸ್ತಿ
ಬದ್ಲಿಲಿಂ ಮ್ಹಣುನ್
- ಆ) ಆಜ್ ವ್ಹಾಜ್ತಾಂ
ತಾಜೆ ಖಾತಿರ್
ಆದಿ ಫಾಲ್ಯಾಂ
ತುಜೆ ಖಾತಿರ್
- ಇ) ವ್ಹಾಜ್ತಾ ಗಾಂವ್ಚ್ಯಾಂನೊ
ತುಮ್ಜೆಲಾಗಿಂ ಅಶಿ ಮ್ಹಜಿ ವಿನಂತಿ
ಮಲ್ಲ್ಯಾ ಮ್ಹಜೆ ಕುಡಿಕ್ ಫಾಲಾ
ಮ್ಹಜ್ಯಾಚ್ ಗಾಂವ್ಚಿ ಭಾಂಗ್ರಾಳಿ ಮಾತಿ!



3] ಖಿಂಚಾಯ್ ದೊನಾಂಕ್ ಜಾಪ್ ಬರಯಾ:

(2×5=10)

- ಅ) ತ್ಯಾ ದಿಸಾ ವಡಾ ಕಡೆನ್ ಗಡ್ಡ್ ತಿನ್ನಣಾಂ
ಮಂದ್ ಮಂದ್ ವಾಜತ್ ಆಯ್ಲಿಂ ತುಜಿಂ ಗೊ ಪಾಂಯ್ಣಣಾಂ
- ಆ) ದೆಕ್ಲೊ ಉಜ್ವಾಡ್ ಬೊಂವ್ತಿಂ ಪ್ರಕಾಶಿತ್
ದಿಂಬ್ಯರ್ ಪಡ್ಲೊ ಉಲ್ಲಸಾನ್ ಶರಣೆತ್
- ಇ) ಆಕಾಂತ್ ಕಿತ್ಯಾಕ್, ಕಿತ್ಯಾಕ್ ಬೊಬೊ
ನವೆಂ ಕಾಂಯ್ ತರ್ ಘಡ್ಲಾಂ.

4] ಖಿಂಚಾಯ್ ಎಕಾ ಸವಲಾಕ್ ಜಾಪ್ ಬರಯ್: (ಕವಿ ಪರಿಚಯ್)

(1×5=5)

- ಅ) ಸ್ವಾಮಿ ಸುಪ್ರಿಯ
- ಆ) ಸಿಜೆಸ್ ತಾಕೊಡೆ

UNIT -II

1] ಸವಲಾಂಕ್ ಜಾಪ್ ಬರಯಾ:

(6×1=6)

- ಅ) ಮನ್ಶ್ಯಾ ಶಾಸ್ತ್ರಿ ಮ್ಹಳ್ಯಾರ್ ಕಿತೆಂ?
- ಆ) ನೊವ್ಯಾಚೆಂ ಸಾಂಪ್ರಾದಾಯಿಕ್ ನ್ಹೆಸಣ್ ಕಿತೆಂ ಜಾವ್ನಾಸಾ?
- ಇ) ಅವೈನ್ ಅಪ್ಲಿಂ ವಸ್ತಿ ಖಿಯ್ಸಾರ್ ಬದ್ಲಿಲಿಂ?
- ಈ) ತ್ರಿವೇಣಿ ಸಂಗಮ್ ಮ್ಹಳ್ಯಾರ್ ಕಿತೆಂ?
- ಉ) ವೇರ್ಸ ಮ್ಹಳ್ಯಾರ್ ಕಿತೆಂ?
- ಊ) ಸಂಸ್ಕೃತಿ ಮ್ಹಳ್ಯಾರ್ ಕಿತೆಂ?

G 139.2

2] ಖಿಂಚಾಯ್ ದೋನ್ ಸವಲಾಂಕ್ ಜಾಪ್ ಬರಯಾ:

- ಅ) 'ಲಗ್ನಾಕ್' ವೊಜೆಂ ಬಾಂದ್ಲೆಂ ಮ್ಹಳ್ಳಾರ್ ಕಿತೆಂ?
- ಆ) ವೊವಿಯಾಂಚೊ ಸಂದರ್ಭ್ ವಿವರಿಯಾ.
- ಇ) ಪಾಂಯ್ತಾಣಾಂ ಆನಿ ಕವಿಚ್ಯಾ ಜೀವನಾಚೆಂ ಚಿತ್ರಣ್ ಕರಾ.

(1×5=5)

3] ಖಿಂಚಾಯ್ ಏಕಾ ಸವಲಾಕ್ ಜಾಪ್ ಬರಯಾ:

- ಅ) ಸಂಸ್ಕೃತಿಚ್ಯಾ ಬದಲಾವಣೆಚೆಂ ಕಾರಣಾಂ ವಿವರಿಯಾ.
- ಆ) ಕೊಂಕ್ಣೆಂತ್ ಕಿತ್ಲೊ ಉಪಭಾಸ್ ಆಸಾತ್? ಆನಿ ಖಿಂಚೊ ಕಳಯಾ.

(1×4=4)

4] ಖಿಂಚಾಯ್ ಏಕಾ ಸವಲಾಕ್ ಜಾಪ್ ಬರಯಾ:

- ಅ) ಮಾಂಯ್ ಮುದಿ ಶಿಂವ್ತಾನಾ ಮ್ಹಣ್ಣೊ ವೇರ್ಸೆ ಬರಯಾ.
- ಆ) ತುಳು, ಇಂಗ್ಲಿಷ್, ಕನ್ನಡ ಭಾಶೆಚ್ಯಾ ಸಬ್ಬಾಂಚೊ ಪ್ರಯೋಗ್ ಕರ್ನ್ ಗಾಂವ್ಚೊ ಖಿಂಚೊಯ್ ದೋನ್ ವೊವಿಯೊಂ ಬರಯಾ

UNIT -III

(5×1=5)

1] ಸವಲಾಂಕ್ ಜಾಪ್ ಬರಯಾ.

- ಅ) ವಿಲ್ವಿ ರೆಬಿಂಬಸ್ ಹಾಚೆಂ ಪೂರ್ಣ್ ನಾಂವ್ ಕಿತೆಂ?
- ಆ) ಲೋಕ್ ಗೀತ್ ಮ್ಹಳ್ಳಾರ್ ಕಿತೆಂ?
- ಇ) ವಿಲ್ವಿ ರೆಬಿಂಬಸಾಕ್ ಆಸ್ಲೆಂ ಬಿರುದ್ ಖಿಂಚೆಂ?
- ಈ) ಪೊ ಆಲ್ಪನ್ ಕ್ಯಾಸ್ತೆಲಿನೊ ಗಾಂಪಾನ್ ಖಿಂಚೊ?
- ಉ) ಸಾಂ. ಲುವಿಸ್ ಕಾಲೇಜೆಚಾ ಖಿಂಚಾ ಪತ್ರಾಚೆಂ ಸಂಪಾದಕಣ್ ಆಲ್ಪನ್ ಕ್ಯಾಸ್ತೆಲಿನೊನ್ ಸಾಂಬಾಳ್ತಾ?

2] ಸವಲಾಂಕ್ ಜಾಪ್ ಬರಯಾ.

(2×5=10)

- ಅ) ಪೊ ಆಲ್ಪನ್ ಕ್ಯಾಸ್ತೆಲಿನೊಚ್ಯಾ ಕುಟ್ಮಾಚಿ ಆನಿಂ ವ್ಯಕ್ತಿತ್ವಚಿಂ ಪರಿಚಯ್ ಕರಾ.
- ಆ) ವಿಲ್ವಿನ್ ಘಡೊನ್ ತಾಳೊ ಬಸಯಿಲ್ಲೆಂ ಖಿಂಚೆಂ ಏಕ್ ಪೋದ್ ಬರಯಾ.

3] ಖಿಂಚಾಯ್ ಏಕಾ ಸವಲಾಕ್ ಜಾಪ್ ಬರಯಾ.

(1×10=10)

- ಅ) 'ವಿಲ್ವಿಚಿ ಜಿಣಿ ಏಕ್ ಕಾಣಿ' ಹಿಂ ಉತ್ರಾಂ ವಿಲ್ವಿಚ್ಯಾ ಜೀವನಾಚಿ ದಿಶಾ ಕಳಯ್ತಾತ್. ತುಜಿ ಅಭಿಪ್ರಾಯ್ ಕಿತೆಂ?
- ಆ) ಭಾತ್ ಶಾಸ್ತ್ರ್ ಆನಿ ಸಂಗೀತ್ ಕಶೆಂ ತಾಳ್ ಪಡ್ಲೆಂ ಪೊ ಆಲ್ಪನ್ ಕ್ಯಾಸ್ತೆಲಿನೊಚ್ಯಾ ಜೀವನಾಂತ್ ವಿವರಿಯಾ.

UNIT -IV

(5×1=5)

1] ಸವಲಾಂಕ್ ಜಾಪ್ ಬರಯಾ.

- ಅ) ವಿಶೇಷಣ್ ಮ್ಹಳ್ಳಾರ್ ಕಿತೆಂ?
- ಆ) ಕೊಂಕ್ಣೆಂತ್ ಕಿತ್ಲೆಂ ಕಾಳ್ ಆಸಾತ್?
- ಇ) ಕ್ರಿಯಾ ವಿಶೇಷಣಾಕ್ ಏಕ್ ಉದಾಹರಣ್ ದಿಯಾ.
- ಈ) ಧಾತು ಮ್ಹಳ್ಳಾರ್ ಕಿತೆಂ?
- ಉ) ವಚನಾಂಕ್ ಏಕ್ ಉದಾಹರಣ್ ದಿ.

2] ಸವಲಾಂಕ್ ಜಾಪ್ ಬರಯಾ.

(3×5=15)

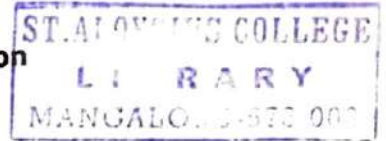
- ಅ) ಕ್ರಿಯಾಪದ್ ಮ್ಹಳ್ಳಾರ್ ಕಿತೆಂ? ಉದಾಹರಣಾ ಸಂಗಿಂ ಬರಯಾ.
- ಆ) ವಿಶೇಷಣಾಂಚಿ ಪ್ರಕಾರ್ ಉದಾಹರಣಾ ಸಂಗಿಂ ವಿವರಿಯಾ.
- ಇ) ಧಾತುಚಿಂ ಪ್ರಕಾರ್ ಉದಾಹರಣಾ ಸಂಗಿಂ ವಿವರಿಯಾ.

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St Aloysius College (Autonomous)

Mangaluru

**B.A /B.Sc./B.Com./B.B.A./B.C.A. - Semester II -Degree Examination
April - 2018**



ADDITIONAL ENGLISH

Time: 3 hrs.

Max Marks: 100

UNIT - I

I Answer any TWO of the following questions in about 200-250 words each: (2x5=10)

1. Explore themes of a sympathetic portrayal of tradition and a critique of modernity in the short story 'The Sky and the Cat'.
2. Compare and contrast the characters of Krishnamurthy and Govindan Nair.
3. Sketch the character of Kubra.

UNIT - II

II A Answer the following questions: (5x1=5)

1. Name the figure of speech used in these words 'Dark bullet, Missile, Grieving Arrow' from 'Ode to a Large Tuna in the Market'.
2. I saw you dead/a deceased -----/of my own ocean..... Fill in the blank with the actual word used in 'Ode to a Large Tuna in the Market'.
3. Mention the four birds used in the poem 'The season of Phantasmal Peace'.
4. What is an oxymoron and mention any two oxymorons from the poem, 'The season of Phantasmal Peace'?
5. Which word is now 'obsolete' according to Meena Kandasamy?

B Answer any THREE of the following questions in about 200-250 words each: (3x5=15)

1. How does Keki N Daruwala personify Indian English in the poem 'The Mistress'?
2. What are the agnostic elements used in the poem 'The Gods Wake Up'?
3. Explicate the poem 'Ode to a Large Tuna in the Market' with special emphasis on the literary devices used in it.
4. Explain the importance of the last words "It lasted long" from the poem 'The Season of Phantasmal Peace'.

C Answer any ONE of the following questions in about 300-350 words each: (1x10=10)

1. Walcott considers 'The Season of Phantasmal Peace' as "the equivalent of prayer, a vision of peace that must be heard continually." Justify.
2. How does Keki Daruwala show his dissatisfaction in the present status and condition of Indian English and also accept it as the medium of his expression in the poem 'The Mistress'?

III A Answer the following questions:

1. Whom does Algernon think should set an example for the upper class?
2. Where has Cecily recorded her engagement to Algernon 'Ernest'?
3. Who is Jack's real mother?
4. What is Jack's birth name?
5. How did Miss Prism recognize the handbag?
6. Jack makes up a story about his brother Ernest dying in -----.
7. When does Lady Bracknell start liking Cecily?
8. Who lost Jack when he was a baby?
9. What two things, according to Aunt Augusta, are not the same and rarely go together?
10. On what grounds does Jack Worthing, Cecily's guardian, refuse to allow Cecily and Algernon's engagement?

B Explain the context of any TWO of the following quotations in about 200-250 words (2x5=10)

1. Yes. But why does your aunt call you her uncle? 'From little Cecily, with her fondest love to her dear Uncle Jack.' There is no objection, I admit, to an aunt being a small aunt, but why an aunt, no matter what her size may be, should call her own nephew her uncle, I can't quite make out. Besides, your name isn't Jack at all; it is Ernest.
2. Lady Bracknell, I admit with shame that I do not know. I only wish I did. The plain facts of the case are these. On the morning of the day you mention, a day that is for ever branded on my memory, I prepared as usual to take the baby out in its perambulator.
3. So I know my constitution can stand it. If you are not quite sure about your ever having been christened, I must say I think it rather dangerous your venturing on it now. It might make you very unwell. You can hardly have forgotten that someone very closely connected with you was very nearly carried off this week in Paris by a severe chill.

C Sketch the character of any TWO of the following in about 200-250 words: (2x5=10)

1. Algernon Moncrieff
2. Gwendolen Fairfax
3. Lady Bracknell

D Answer any ONE of the following question in about 300-400 words each: (1x10=10)

1. How is the gulf between the upper, middle and lower classes represented in the play 'Importance of being Earnest'?
2. Explain the pun in the title. Who is being Earnest in this play? Do Gwendolen and Cecily prefer having husbands named Ernest to having earnest husbands?

UNIT - IV

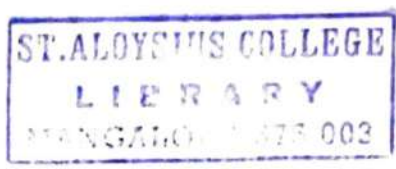
IV A Read the following comprehension passage and answer the questions (5x1=5)

037

Experiments are sometimes made by experts to find out how many errors people make in their statements. Here is one experiment which was tried. Some students at a university were shown on a screen a picture of a bullfight. They were then asked to write a short account of what they had seen. When this was finished, they were told to put a number on every statement made.

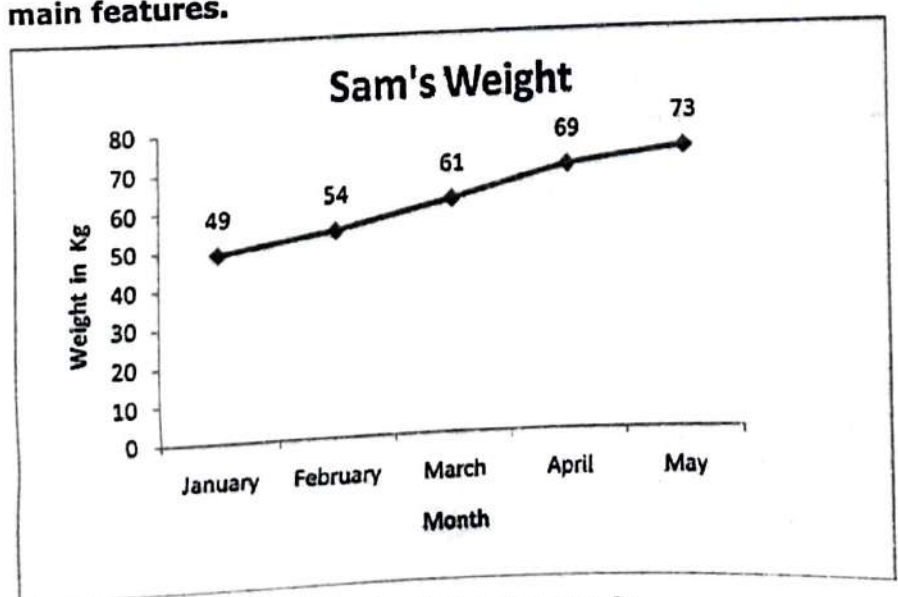
1. If they were fairly sure about it and 2. If they were prepared to swear to the statement on oath. Every student had at least ten percent error in the statements he was prepared to swear on oath and considerably more than ten percent in the other group. Here, for example, was one mistake. A student saw the bull had its tongue out. Yet when he was shown the picture again, he was that the bull's mouth was closed, but that, because its head turned to the side, the ear looked like the tongue. So whenever you are arguing with someone about a point, remember that there is quite a good chance that you are wrong, however, confident you feel about it.

- 1. What was the aim of the experiment tried at the university?
- 2. What were the students shown on the screen?
- 3. What were they asked to do when it was shown?
- 4. What was the extent of errors in their statements?
- 5. One student made a mistake in regard to the position of the bull's -----.



Complete this sentence with the correct alternative:
 a) head b) tongue c) mouth d) ear

B The line graph below shows Sam's weight from January to May. Summarise the information in the chart by selecting and reporting the main features. (5 marks)



C Write a short story on the following topic (5 marks)

The pretty girl next door

D Prepare an MC's draft for sports day. (5 marks)

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St Aloysius College (Autonomous)

Mangaluru

B.A./B.Sc. /B.Com./B.B.A/B.C.A Semester II – Degree Examination

April – 2018

FRENCH

Time: 3 hrs.

Max Marks: 100

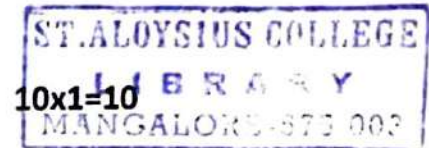
I. Choisissez entre l'imparfait et le passé composé

10x1=10

Superman Robert (travaillait, a travaillé) à Service Canada. Il (aimait, a aimé) son travail, mais il y (avait, a eu) un problème. Robert (était, a été) amoureux d'une collègue de travail qui s'(appelait, est appelée) Nathalie. Elle (ne savait pas, n'a pas su) que Robert (existait, a existé).

Un jour, Robert (écrivait, a écrit) dans son bureau quand tout à coup il y (avait, a eu) une explosion dans la rue. C' (était, a été) une mission pour Superman! Robert (entra, est entré) dans une cabine téléphonique. Il (ne savait pas, n'a pas su) que Nathalie (le regardait, l' a regardé) . Il (changeait, a changé) de vêtements et tout de suite il (devenait, est devenu) Superman! À ce moment, Nathalie (savait, a su) le secret de Robert, et elle (tombait, est tombée) amoureuse de lui.

II. Lisez et répondez



JEANNE D' ARC.

Tout le monde autour de vous, connaît le nom de Jeanne d'Arc. Qui est-elle ? Jeanne d'Arc est née à Domrémy, en Lorraine, le 6 janvier 1412. Ses parents étaient paysans. Elle passa les premières années de sa vie à garder, aux champs, les moutons de son père. Il faut vous dire qu'à cette époque, notre pays, la France, était presque entièrement prisonnier des Anglais. La France était en guerre contre l'Angleterre depuis bientôt cent ans. Notre armée n'existait plus, nous n'avions pas de roi et les soldats pas de chef. C'est à treize ans que Jeanne crut pour la première fois entendre des voix. Que lui disaient ces voix ? Tout simplement, de chasser les Anglais hors de France et de faire couronner roi, à Reims, le dauphin Charles VII.

Elle revêt l'armure des chevaliers, monte à cheval et conduit ses maigres troupes vers la ville d'Orléans encerclée par une solide armée anglaise. 8 mai 1429 : elle a 17 ans. Jeanne, bien droite sur son cheval, son étendard au poing, donne aux Français un si beau courage qu'ils gagnent. Elle veut ensuite conduire Charles à Reims pour qu'il soit sacré Roi de France. À la tête de ses soldats, après de nombreuses batailles, elle réussit: le 17 juillet 1429 notre pays a de nouveau un roi: Charles VII. L'année suivante, elle est faite prisonnière et vendue aux Anglais pour dix mille pièces d'or. Jeanne est conduite à Rouen et enfermée dans la prison du château. Elle est condamnée à être brûlée vive, comme une sorcière. Elle est morte le 30 mai 1431, brûlée sur la place du Vieux Marché, à Rouen. Elle avait dix-neuf ans. Elle est morte, abandonnée de tous, de son Roi, de ses soldats, alors qu'elle avait sauvé la France. Mais, grâce à l'exemple qu'elle a donné, les Français reprennent courage et en quelques années, chassent les Anglais hors du pays.

- Page NO. 2
- a) Quel âge Jeanne d'Arc avait-elle quand elle était morte?
 - b) Quelle est sa date de naissance ?
 - c) Qui les français chassent-ils de France après la mort de Jeanne d'Arc ?
 - d) Comment va s'appeler le Roi de France ?
 - e) Dans quel château rencontre-t-elle Charles VII ?
 - f) Comment est morte Jeanne d'Arc ?
 - g) Pour combien de pièces d'or, Jeanne est-elle vendue aux anglais ? .
 - h) Que veut faire Jeanne après avoir délivré Orléans ?
 - i) Qui essaye de délivrer Jeanne aux anglais?
 - j) A quelle date délivre-t-elle Orléans ?

III. répondez six questions au choix

10x6=60

1. L'école de demain, c'est quoi pour vous?
2. Parlez du système de travail en France.
3. Que pensez-vous du mot "interdiction". Quelles sont les interdictions nécessaires pour bien vivre dans la société?
4. Que pensez-vous de la presse en générale? Est-ce que les presse sont fiables? Pourquoi?
5. Pourquoi faut-il apprendre une langue étrangère? Quels sont les avantages lors qu'on connaît une langue étrangère?
6. Quels sont vos opinions sur les fêtes sans frontières? Pourquoi?
7. De quoi le chapitre 3 parle-t-il?

IV. Ecrivez un dialogue au choix

10x1=10

1. Vous devez aller d'urgence dans une pharmacie. Vous garez votre voiture sur une place de stationnement interdit. Un policier arrive.....
Ou
2. Votre ami(e) va un entretien pour trouver du travail. Vous lui donnez des conseils sur comment s'habiller, se présenter, comment parler etc.

V. Ecrivez une lettre

10x1=10

1. Vous allez partir en France à Paris pour un program d'échange à l'Université René Descartes. Vous avez un correspondant s'appelle Pascal. Ecrivez-lui en donnant des informations vous concernant et concernant votre programme.

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St Aloysius College (Autonomous)

Mangaluru

B.A./B.Sc./B.Com./B.B.A./B.C.A Semester II – Degree Examination

April – 2018

MALAYALAM

Time: 3 Hours

Max. Marks: 100

I ഒന്നോ രണ്ടോ വാക്യത്തിൽ ഉത്തരമെഴുതുക

(2x 5=10)

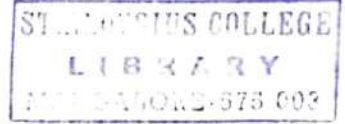
1 ടി. പത്മനാഭൻ എന്ന കഥാകൃത്തിന്റെയും അദ്ദേഹത്തിന്റെ കഥാപാത്രങ്ങളുടെയും പ്രത്യേകതയെന്ത് ?

2 മേബിളമ്മായിയുടെ വീടിന്റെ പ്രത്യേകതയെന്ത് ?

3 'മാലിനെന്തവസാനം ബാലേ'-എന്തുകൊണ്ട് ?

4 മാധവനോടുള്ള ഇന്ദുലേഖയുടെ ഇപ്പോഴത്തെ സമീപനമെന്ത് ?

5 'കരുണ' രചിക്കുന്നതിന് ആശാന് പ്രേരകമായിത്തീർന്ന കൃതിയെന്ത്?



II നാലെണ്ണത്തിന്റെ സന്ദർഭവും സാരസ്യവും വ്യക്തമാക്കുക (4x5=20)

6 കരപറ്റിനിന്നു വീണ്ടും കുഞ്ഞുങ്ങിത്തൻ കുള്ളത്തിലേ-
ക്കരയന്നപ്പിടപോലെ നടന്നുപോയി...

7 ലിപ്സ്റ്റിക്കു പുരട്ടിയ കീഴ്ചുണ്ട് കടിച്ചമർത്തി തികട്ടിവന്നവിഷമം
ഒതുക്കിവെച്ച് ഇന്ദുലേഖ പറഞ്ഞു, വേണ്ട...

8 മേബിളമ്മായി ഒരിക്കലും എന്റെ ചിന്തകളിന്മേൽ ഒരു വിഴുപ്പുതുണി
വിരിക്കുന്നില്ല. എന്റെ മനസ്സിൽ രൂപപ്പെട്ടുവരുന്ന ആശയങ്ങൾക്കു മീതേ
അവർ ഒരാട്ടുകല്ലു വെക്കുന്നില്ലാ. .

9 എനിക്ക് ഒന്നും മനസ്സിലാക്കാൻ കഴിഞ്ഞില്ല. ഒന്നും! പക്ഷേ കവിതയും
സംഗീതവുമൊന്നും ഒരിക്കലും എന്റെ വിഷയമായിരുന്നില്ലല്ലോ..

10 "അഗ്നിയല്ലാതെ ദഹിപ്പിക്കുമോ"

11 കമനീയ കായകാന്തി കലരും ജനമിങ്ങിനെ

കമനീവിമുഖമായാൽകൊനമല്ലേ

III മൂന്നെണ്ണത്തിനു രണ്ടുപുറത്തിൽ കവിയാതെ ഉത്തരമെഴുതുക (3x10=30)

12 'ഇന്ദുലേഖ രണ്ടാം ദിവസത്തിൽ' കഥാകൃത്ത് സൂരിനബുതിരിപ്പാടിനെ
അവതരിപ്പിച്ചിരിക്കുന്നതെങ്ങിനെ?

13 'കടൽ' -ശരീർഷകത്തിന്റെ ഔചിത്യം പരിശോധിക്കുക ?

14 അനസൂയക്കും പ്രിയംവദക്കും 'ശാകുന്തളം' നാടകത്തിലുള്ള
സ്ഥാനമെന്ത് ?

15 ചുടുകാട്ടിൽ കിടക്കുന്ന വാസവദത്തയെ കവി
അവതരിപ്പിച്ചിരിക്കുന്നതെങ്ങിനെ ?

16 ഉരുക്കുഗ്രിച്ഛുകൾ, ചുവരുകൾ,പഞ്ചലോഗവള, പൊൻമയമായ ചിറകുകൾ ഇവ പ്രതിനിധാനം ചെയ്യുന്ന ആശയമെന്ത് ?

IV രണ്ടെണ്ണത്തിനു മൂന്നുപുറത്തിൽ കവിയാതെ ഉപന്യസിക്കുക (2x15=30)

17 ആശാന്റെ സ്നേഹസങ്കല്പം 'കരുണയെ' ആസ്പദമാക്കി വിലയിരുത്തുക

18 ശാകുന്തളം നാടകത്തിൽ മനുഷ്യനും പ്രകൃതിക്കും ഒരുപോലെ പ്രാധാന്യം നൽകിയിരിക്കുന്നു നാടകകൃത്ത്.-സമർത്ഥിക്കുക

19 "ഇന്ദുലേഖ രണ്ടാം ദിവസം" നൽകുന്ന സന്ദേശമെന്ത് ?

V മലയാളത്തിലേക്ക് പരിഭാഷപ്പെടുത്തുക (1x10=10)

20 Life goals are something that people themselves and work hard to active. These goals could be something you personally want to achieve in your career. Such as working your way up in a company to end up in a well paid job that you are happy in. Life goals can also be personal, where people set themselves the goal of buying a house ,getting married and having a family. A further type of goal is an academic one. This could be the wish to gain a college degree or a masters. Life goals are personal to the individual who set them one person might see climbing the career ladder as more important than starting a family and getting married.

There is a debate as to whether people should actually set themselves life goals. Some people may find that the process effect on them as it provides something to work towards.

(2014 Batch onwards)

Reg. No. :

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**St Aloysius College (Autonomous)
Mangaluru**

**B.Sc. Semester II- Degree Examination
April - 2018**

PHYSICS

MECHANICS, RELATIVITY AND PHOTONICS

Time: 3 hrs.

Max Marks: 100

SECTION - A

Answer any **TEN** of the following.

(10×2=20)

- 1.a) Distinguish between inertial and non-inertial frames of reference.
- b) What are multistage rockets? Mention one of its advantages.
- c) State perpendicular axes theorem.
- d) What is a compound pendulum?
- e) Give Galilean transformation equations.
- f) State the laws of special theory of relativity.
- g) What is meant by length contraction?
- h) Explain the term, rest mass of a body?
- i) What is induced absorption?
- j) What is metastable state?
- k) Define directionality of a laser beam.
- l) Define neper.



SECTION - B

Answer **TWO** full questions from each unit:

UNIT - I

2. a) Obtain an expression for the period of oscillation of a spiral spring. (6)
- b) State the laws of conservation of linear momentum and law of conservation of angular momentum. (4)
3. a) State and prove parallel axes theorem. (6)
- b) Explain coriolis force with an example. (4)
4. a) Show that the centre of suspension and centre of oscillation are interchangeable. Discuss the condition for minimum and maximum period of oscillation of a compound pendulum. (6)
- b) Define moment of inertia of a body and its radius of gyration. Give their units. (4)

UNIT - II

5. a) With a neat diagram, explain Michelson-Morley experiment. (6)
- b) Explain Galilean invariance of space. (4)
6. a) Obtain relativistic mass-energy relation. (6)
- b) Give Lorenz transformation equations. (4)

G 501.2

7. a) Obtain relativistic law of addition of velocities using Lorentz transformation equations. (6)
- b) Explain the variation of mass with velocity. (4)

UNIT - III

8. a) Explain the laser action. (6)
- b) Give the labelled diagram of a diode laser. (4)
9. a) Explain the action of a helium-neon laser. (6)
- b) Explain a graded index optical fibre. (4)
- 10.a) What are photonic crystals? Explain one dimensional photonic crystal and mention its applications. (6)
- b) Give the characteristics of laser. (4)

SECTION - C

Answer any **FOUR** of the following:

(4×5=20)

11. Calculate the pseudo force and apparent force acting on a body of mass 5 kg relative to a frame moving vertically upwards on earth with acceleration of 5m/s^2 .
12. A rocket is designed to attain a maximum speed of 4.6 km/s. Mass of the rocket without fuel is 100 kg. What should be the mass of the fuel? Given that velocity of the escaping gas is 2km/s.
13. The rest mass of a proton is 2000 times that of an electron. Calculate the speed at which an electron should travel so that its mass will be equal to the rest of the proton.
14. Calculate the mass of the electron when it is moving with a kinetic energy of 10 MeV.
15. Laser beam has a band-width of 2500Hz. What are the values of coherence time and coherence length?
16. A laser source of wavelength 500 nm has a power output of 10^{-3}W . Find the number of photons emitted per second.

(2014 batch onwards)

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St Aloysius College (Autonomous)

Mangaluru

B.Sc. Semester II – Degree Examination

April - 2018

CHEMISTRY- Paper II

Time: 3 Hours

Max. Marks: 100

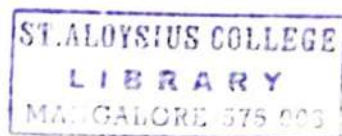
Instructions:

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 – AAnswer any **TEN** of the following questions in 1 to 3 sentences

(2×10=20)

1. a) Explain protic solvents with suitable examples.
- b) State the law of constancy of interfacial angles.
- c) What is meant by unit cell of a crystal?
- d) Alkali metals are stronger reducing agents than alkaline earth metals. Why?
- e) What are Zeolites?
- f) Give a method of preparation of cyanides.
- g) What are epoxides? Give an example.
- h) How does ethylene glycol react with sodium?
- i) What is S_N2 reaction? Give an example.
- j) What is meant by dry test? Give any one example.
- k) Give one example each for precipitation titration and complexometric titration.
- l) Define Normality of a solution.

**PART – B**Answer any **TEN** of the following questions in 2 to 5 sentences

(3×10=30)

2. i) What is dielectric constant of a solvent? How does it affect solubility?
- ii) Define plane of symmetry. How many planes of symmetry are there in a cubic crystal?
- iii) Explain Enzyme catalysis with an example.
- iv) Discuss the complexation tendencies of alkali metals with crown ethers.
- v) Explain the extraction of Lithium from silicate mineral.
- vi) Discuss the diagonal relationship between Beryllium and Aluminum.
- vii) Explain the mechanism of E_2 reaction.
- viii) How does oxalic acid react with Glycerol at 110°C.
- ix) Explain auto oxidation of ethers with an example.
- x) Give the Principle behind the gravimetric analysis.
- xi) How are the qualitative analytical techniques classified on the basis of sample size?
- xii) Give the principle behind the precipitation titrations.

Contd...2

PART - C

Answer any **TEN** of the following questions

(5×10=50)

3. Explain the complex formation reactions in water and liquid ammonia with suitable examples.
4. Derive Bragg's equation $n\lambda = 2d\sin\theta$ for a crystalline solid.
5. Explain how structure NaCl is determined by Bragg's method?
6. Compare ionization potential and flame coloration of alkali metals and Alkaline earth metals.
7. Explain the extraction of Beryllium from mineral beryl.
8. What is diagonal relationship? What are its causes? Discuss the diagonal relationship between lithium and magnesium (any two properties).
9. Describe Ziesel's method for the estimation of alkoxy group in ethers.
10. Explain the synthesis of glycerol from propene.
11. Discuss the mechanism of S_N1 reaction.
12. Explain the principles involved in volumetric analysis.
13. Explain Classification of titrations based on reactions involved. Name the suitable indicators required for these titrations.
14. Define the terms molarity and molality.

49 g of Sulphuric acid dissolved in 500 ml of solution. Calculate the molarity of the solution. (molecular wt of H_2SO_4 is 98).

(2014 Batch onwards)

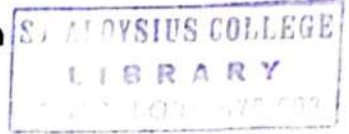
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St Aloysius College (Autonomous)
Mangaluru

B.Sc. Semester II – Degree Examination
April - 2018



MATHEMATICS – Paper II
Calculus, Number Theory and Differential Equation

Time: 3 Hours

Max. Marks: 100

Note: Answer all parts

PART – AAnswer any **TEN** of the following.

(10 × 2½ = 25)

- Find $\lim_{x \rightarrow 0} \frac{x}{1 - e^x}$.
- Suppose $f(x) = x^3$, $g(x) = x^2$, find the number z in $(0, 2)$ which satisfies the conclusion of Cauchy Mean Value theorem.
- Evaluate $\int_{-\infty}^2 \frac{dx}{(4-x)^2}$.
- Define length of an arc.
- Given the parametric equations $x = 3t^2$ and $y = 4t^3$, find $\frac{dy}{dx}$ and $\frac{d^2y}{dx^2}$ without eliminating t .
- If $R(t)$ is the position vector of curve C at a point P on C , define unit tangent vector of C at P and unit normal vector at C .
- Prove that square of an integer is of the form $4k$ or $4k+1$.
- If $a|c$ and $b|c$ with $\text{g.c.d.}(a,b)=1$, prove that $ab|c$.
- Determine if the Diophantine equation $14x + 35y = 93$ has a solution.
- Solve: $y' = x - 4xy$.
- Determine whether the function $f(x,y) = \left[x - y \tan^{-1}\left(\frac{y}{x}\right) \right] dx + \left[x \tan^{-1}\left(\frac{y}{x}\right) \right] dy$ is homogeneous or not. If it is homogeneous find the degree.
- Solve: $(x+y)dx + (x-y)dy = 0$.
- Find the orthogonal trajectories of the family of parabolas $y^2 = 4ax$.
- Solve: $p^2 + p(x+y) + xy = 0$
- Find the singular solution of the equation $xp^3 - yp^2 + 1 = 0$.

Contd....2

PART - B

UNIT - I

Answer any **THREE** of the following.

(3×5=15)

1. Evaluate $\int_0^{\infty} xe^{-x} dx$ if it converges.
2. State Cauchy Mean Value theorem and verify the theorem for $f(x) = 3x^2 + 3x - 1$ and $g(x) = x^3 - 4x + 2$ in the interval $(0, 1)$.
3. Let f and g be functions that are differentiable for all $x > N$, where N is positive constant, and suppose that for all $x > N$, $g'(x) \neq 0$. Then if $\lim_{x \rightarrow \infty} f(x) = 0$ and $\lim_{x \rightarrow \infty} g(x) = 0$ and if $\lim_{x \rightarrow \infty} \frac{f'(x)}{g'(x)} = L$ then prove that $\lim_{x \rightarrow \infty} \frac{f(x)}{g(x)} = L$.
4. State and prove Taylor's theorem.
5. Use a Maclaurin polynomial to find the value of \sqrt{e} accurate to four decimal places.

UNIT - II

Answer any **THREE** of the following.

(3×5=15)

1. Given the curve having parametric equations $x = t^3 - 3t$ and $y = 3t^2$, find the unit tangent vector and unit normal vector.
2. If \vec{R} is a differentiable vector-valued function on an interval and $\|\vec{R}(t)\|$ is constant for all 't' in the interval then prove that $\vec{R}(t)$ and $D_t \vec{R}(t)$ are orthogonal.
3. Find the length of the cardioid $r = 2(1 + \cos \theta)$.
4. Find the radius of curvature of the curve $y = \frac{1}{x}$ at the point $(1, 1)$.
5. If \vec{R} is vector valued function defined by $\vec{R}(t) = f(t)i + g(t)j$ then prove that $\vec{R}'(t) = f'(t)i + g'(t)j$ if $f'(t)$ and $g'(t)$ exists.

UNIT - III

Answer any **THREE** of the following.

(3×5=15)

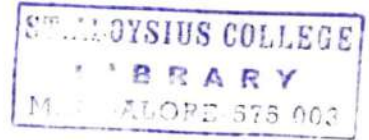
1. If S be a set of positive integers with the properties
(i) $1 \in S$ (ii) Whenever the integer $k \in S$, $k+1 \in S$
then prove that S is the set of all positive integers.
2. If a and b are integers with $b > 0$ then prove that there exist unique integers q and r such that $a = qb + r$, $0 \leq r < b$.

Contd....3

3. Prove that the expression $\frac{a(a^2 + 2)}{3}$ is an integer for all $a \geq 1$.
4. Solve the Diophantine equation $172x + 20y = 1000$.
5. State and prove fundamental theorem of Arithmetic.

UNIT - IVAnswer any **THREE** of the following.**(3×5=15)**

1. Solve: $xy dx + (x^2 + y^2) dy = 0$
2. Solve: $3x(xy - 2) dx + (x^3 + 2y) dy = 0$.
3. Solve: $y dx + (3x - xy + 2) dy = 0$.
4. Solve: $\frac{dy}{dx} = y - xy^3 e^{-2x}$.
5. Solve: $(y - x + xy \cot x) dx + x dy = 0$.

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

1. Find the orthogonal trajectories of the family of cardioids $r = a(1 + \cos \theta)$. Draw a few curves of each family.
2. Solve the differential equation $xy p^2 + (x + y)p + 1 = 0$.
3. Find the p -discriminant and the solutions contained in the p -discriminant of $p^2 - xp + y = 0$.
4. Find the general solution and also the singular solution, if it exists, of the differential equation $p^2 + x^3 p - 2x^2 y = 0$
5. Define Clairaut's equation and solve the differential equation $2xp^3 - 6yp^2 + x^4 = 0$.

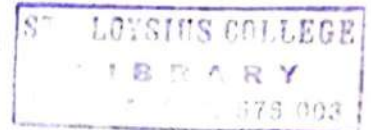
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St Aloysius College (Autonomous)

Mangaluru

B.Sc. Semester II – Degree Examination

April - 2018



ELECTRONICS

Transistor Biasing Circuits, Small Signal Amplifiers, Field Effect Transistors and Digital Circuits

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) The maximum peak to peak output voltage swing in a transistor amplifier is obtained when the Q-point of a circuit is located _____
 - a) Near saturation point
 - b) At the centre of the load line
 - c) Near cut-off point
 - d) At least on the load line
- ii) If the two stages of a cascaded amplifier have voltage gains of 90dB and 60dB, the overall gain in dB is _____
 - a) 5400 b) 150 c) 3500 d) 75
- iii) _____ transistor amplifier has the lowest input impedance.
 - a) CE b) CB c) CC d) cascaded CE
- iv) The charge carriers responsible for conduction in p-channel FET are _____
 - a) electrons b) holes c) both holes & electrons d) positrons
- v) The constant current area of a FET lies between
 - a) cutoff and saturation b) cutoff and pinchoff
 - c) pinchoff and breakdown d) o and Idss
- vi) A certain JFET has $V_{GS\text{OFF}} = -4\text{V}$. The pinchoff voltage is _____
 - a) -2V b) -4V c) +4V d) depends on V_{GS}
- vii) The output frequency of a Wein-Bridge 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) $f = \frac{1}{2\pi\sqrt{RC}}$
- viii) Which of the following statement is wrong with respect to oscillators?
 - a) It is DC to AC converter.
 - b) It is a positive feedback amplifier
 - c) It is a positive feedback amplifier with external input
 - d) It gives repetitive output waveform without any external input.
- ix) In a phase shift oscillator a minimum number of _____ RC sections are required in the feedback network.
 - a) 2 b) 3 c) 4 d) 1

- x) A full adder is _____ Inputs and _____ Outputs.
 a) 2,2 b) 3,2 c) 2,1 d) 1,2
- xi) A 2-bit magnitude comparator has $A=1$, $B=0$ on its inputs, the outputs are _____
 a) $A>B$ b) $A<B$ c) $A=B$ d) $A=B=0$
- xii) RS flip-flops resets when
 a) $R=0$, $S=0$ b) $R=1$, $S=0$ c) $R=0$, $S=1$ d) $R=1$, $S=1$

2. Answer any TEN questions.

(10x1=10)

- i) Mention the merit of universal bias circuit.
- ii) The CE amplifier is most widely used. Why?
- iii) Write the expression for dc load line of emitter feedback bias circuit.
- iv) Draw the symbol of p-channel D-MOSFET.
- v) Define the term pinchoff voltage with respect to JFET.
- vi) Write the truth table of T-flipflop.
- vii) Write any one advantage of crystal oscillator.
- viii) State Barkhausen criterion.
- ix) Why master slave JK flip-flop is used in place of normal JK flip-flop?
- x) What is a half subtractor?
- xi) What is the drawback of an encoder?
- xii) What is a bypass capacitor?

3. Answer any TEN questions.

(10x2=20)

- i) What is meant by stabilization of a Q-point? Why we need to stabilize the Q-point of a transistor?
- ii) Define cutoff frequency of an amplifier. Why is it called -3dB frequency?
- iii) Compare any four parameters of CE, CB and CC amplifiers.
- iv) For a JFET, drain current varies from 5mA to 4.2mA when V_{GS} changes from 5V to 8V. Calculate r_d .
- v) Write any two differences between DMOSFET and EMOSFET.
- vi) Derive the relation between FET parameters.
- vii) Mention any two advantages of LC oscillators over RC oscillators.
- viii) What are damped oscillations? Draw its waveform.
- ix) Draw the logic diagram of 1 to 4 DE-MUX using logic gates.
- x) What is a decoder? Explain.
- xi) Draw the logic circuit symbol and truth table of D flip flop.
- xii) Write the Boolean expression and truth table of Half Adder.

SECTION - B

4. Answer any SEVEN questions.

(7x4=28)

- i) Write a note on CB amplifier.

- ii) Draw the Dc loadline for a voltage divider bias circuit and mark Q-point on the Dc load line for the following data.
 $V_{CC}=12V$, $R_1 = 2k\Omega$, $R_2= 1.2k\Omega$, $R_C= 330\Omega$, $R_L=100\Omega$, $V_{BE} = 0.7V$ and $\beta_{dc} = 100$.
- iii) Explain the action of Emitter feedback bias.
- iv) Mention the differences between a JFET and BJT.
- v) Explain transfer characteristics of n-channel enhancement type MOSFET.
- vi) With block diagram explain any two types of feedback connections.
- vii) Design a Wein bridge oscillator to get its frequency of oscillations as 10kHz. Choose $C=0.02\mu F$.
- viii) Design a full adder using combinational circuit design procedure.
- ix) Design 4 to 1 MUX for the Boolean expression $Y(A,B,C)= \Sigma m(1,3,4,5)$
- x) Explain the working of clocked RS flip-flop.

SECTION - C

Answer any **THREE** full questions.

(10x3=30)

5. a) Draw the circuit diagram of collector feedback bias. Derive the expression for the DC load line of a collector feedback circuit. (5)
- b) Calculate the voltage gain and output resistance of common source JFET amplifier having $R_D=3k\Omega$, $R_G=1M\Omega$ and $R_S=800\Omega$. The FET used has $r_d=80k\Omega$ and $g_m = -3.2 m\Omega$. Also calculate the amplification factor μ of the FET. (5)
6. a) Using combinational circuit design procedure, design a code converter to convert 4-bit binary code to gray code. (5)
- b) With circuit diagram explain the working of Colpitts oscillator. Give the expression for its frequency of oscillations. (5)
7. a) With logic circuit and timing diagram explain the working of JK flip-flop. (5)
- b) Obtain the h-parameter ac equivalent circuit of a CE amplifier and hence obtain the expression for voltage gain. (5)
8. a) Draw the circuit diagram of common source FET amplifier. Using AC equivalent circuit of the FET, derive an expression for voltage gain and input resistance. (5)
- b) With necessary diagram derive the expression for the gain of a negative feedback amplifier. (5)

(2015 Batch onwards)

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St Aloysius College (Autonomous)
Mangaluru

B.Sc. Semester II – Degree Examination
April - 2018

COMPUTER SCIENCE
C PROGRAMMING

Time: 3 Hours.

Max Marks: 100

(10X2=20)

PART - A1. Answer any **TEN** of the following.

- What are keywords? Give example.
- Write the syntax of defining enumerated data types.
- Write the equivalent 'C' expression for the following:
 - $side = \sqrt{a^2 + b^2 - 2ab \cos(x)}$
 - $Area = \pi r^2 + 2\pi rh$
- What is the use of sizeof() operator? Give example.
- Write any two rules to be followed while defining a variable.
- What is the use of getchar() function?
- Write the equivalent conditional operator statement for the following:

$$if(a > b)$$

$$n = 50;$$

$$else$$

$$n = 100;$$

- Why "continue" statement is used in C?
- Write the syntax of while statement.
- What are actual and formal parameters?
- Write the syntax of gets() function. What is the advantage of using 'gets' over scanf with %s?
- Differentiate between Union and Structure.

PART - BAnswer any **ONE** full question from each unit.**Unit I**

- Explain logical, Increment/Decrement and conditional operators along with suitable examples to each. (8)
 - Explain the basic structure of a C program. (6)
 - Explain different primary data types with examples to each. (6)
- What are preprocessor directives? Explain. (4)
 - Explain any four mathematical functions used in C. (4)
 - Write a note on precedence of operator and associativity. (6)
 - Explain the formatted input and formatted output statements in C. (6)

Unit II

4. a) What do you mean by looping? Explain for loop with its syntax and suitable example. (8)
- b) Explain switch statement along with its syntax and suitable example. (6)
- c) What are arrays? Describe how we can declare and initialize one-dimensional array. (6)
5. a) Explain different types of if statements with syntax and examples. (8)
- b) Explain do-while statement along with its syntax and example. (6)
- c) Write a C program to find GCD of two numbers. (6)

Unit III

6. a) Explain any four string handling functions along with their syntax and examples to each. (8)
- b) What is a function? What is the need for user defined function? (6)
- c) Write a C program to count number of vowels in a string. (6)
7. a) List the categories of user defined functions based on their arguments and return values. Explain any two with suitable examples. (8)
- b) List various storage classes and explain any two. (6)
- c) What is recursion? Explain with suitable example. (6)

Unit IV

8. a) What is a structure? With syntax and example explain how structure variables and members are declared and defined. (8)
- b) What is a pointer? With a suitable example, explain how we can declare, and initialize a pointer variable. (6)
- c) Explain getw() and putw() functions along with their syntax and examples (6)
9. a) A file named DATA.DAT contains a series of integers, Write a C program to read these numbers and then write odd numbers to a file ODD.DAT and even numbers to another file EVEN.DAT. (8)
- b) Write a note on union. (6)
- c) Explain how we can pass pointers to functions. (6)

(2016 Batch onwards)

G 506.2

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St Aloysius College (Autonomous)
Mangaluru
B.Sc. Semester II – Degree Examination
April - 2018



STATISTICS
Probability Distributions

Max. Marks: 100

Time: 3 Hours

Note: Answer all parts

PART – A

Answer any TWELVE of the following.

(2x12=24)

1. Define mathematical expectation of a continuous random variable.
2. Define expectation of a linear combination of random variables.
3. With usual notations prove that $\text{cov}(ax, by) = ab \text{cov}(x, y)$
4. Compute the mode of a binomial distribution with $n=7$ and $P = 1/4$
5. Give two examples for Poisson distribution.
6. If X has an exponential distribution with mean θ . Find the distribution function.
7. If X and Y are independent normal variates, what is the distribution of $X+Y$.
8. State its relation of Beta variate with Gamma variate.
9. Show that uniform distribution is the particular case of the Beta distribution of first kind.
10. Write down the p.d.f. of Beta distribution of first kind.
11. Obtain the distribution function of a rectangular distribution over the range (a,b)
12. Give two real life situations where in the exponential distribution is appropriate.
13. If $x_1, x_2 \dots x_n$ is a random sample from normal with mean μ and variance σ^2 .
What is the probability distribution of \bar{X} ?
14. When is Binomial distribution said to be symmetric?
15. For a Binomial distribution mean is 6 and standard deviation is 2, write down the p.m.f.

PART – B

Answer any SIX of the following.

(6x6=36)

16. State and prove the addition theorem of expectation of two discrete random variables.
17. If X has uniform distribution $[0,1]$ find the distribution of $Y=-2\log X$.
18. Show that mean and variance of Poisson distribution are equal.
19. Derive the mean and variance of Beta distribution of first kind.
20. Find the median of Cauchy distribution with parameter λ and θ .
21. Obtain the m.g.f of the distribution with p.d.f $f(x) = \frac{1}{\theta} e^{-x/\theta} \quad x > 0, \theta > 0$.
22. Show that hypergeometric distribution tends to binomial distribution.

Contd...2

G 506.2

23. If X follows exponential distribution with density function,
 $f(x) = \frac{1}{\beta} e^{-x/\beta}$, $x > 0$, $\beta > 0$. Find the mean and variance.
24. Find the m.g.f. of gamma variate with parameter n and λ and hence derive its mean and variance.

PART - C

Answer any FOUR of the following.

(10x4=40)

25. a) Prove that higher order moments does not exist for Cauchy distribution.
 b) Find mode of binomial distribution. (4+6)
26. a) Obtain the recurrence relation for the central moments of Poisson distribution.
 b) Obtain the mean deviation from mean for normal distribution. (5+5)
27. a) Derive the expression of even order central moments of normal distribution.
 b) Define beta distribution of the second kind. Find its mean and variance. (5+5)
28. a) Obtain the variance of a linear combination of discrete random variables.
 b) Obtain the mean and variance of hypergeometric distribution. (4+6)
29. a) State and prove memoryless property of geometric distribution.
 b) If X and Y are two independent gamma variates with parameters m and n respectively. Find the distribution of $\frac{x}{x+y}$ and identify the distribution. (5+5)
30. a) If $x \sim \beta_1(m, n)$, $y \sim \gamma(2, m+n)$. Find the distribution of $z=xy$ and identify the distribution.
 b) Obtain the m.g.f. of negative binomial distribution. (6+4)

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(2014 batch onwards)

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St Aloysius College (Autonomous)
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B.Sc. Semester II – Degree Examination
April - 2018

BOTANY

Biodiversity II, Cell Biology, Histology and Anatomy

Time: 3 hrs.

Note: i) Answer all the sections

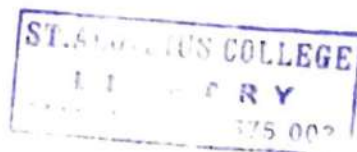
Max Marks: 100

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 are bast fibers? Where do you find them?
2. Write any four economic importance of lichens.
3. What is lignicolous fungus? Give an example.
4. What is a moss flower?
5. What are biopesticides? Give an example.
6. Draw a neat labelled sketch of asexual stage in *Penicillium*.
7. Name the pathogens of a) Bunchy top of Banana
b) Bud rot of coconut
8. Mention any four characteristic features of collenchyma.
9. What are bulliform cells? Mention the significance.
10. What are pseudo-elaters? Where do you find them?
11. Write two features of class Hepaticopsida.
12. Name any four disease causing species of *Phytophthora*.



SECTION – B

II. Answer any **SIX** of the following:

(6 × 5=30)

1. With a neat labelled diagram, explain the structure of Xylem vessels.
2. Write a note on Tunica corpus theory.
3. Explain the anatomy of *Anthoceros* thallus.
4. Describe the morphology of *Porella*.
5. Write a note on Root knot of tomato.
6. Explain different types of lichens based on morphology.
7. Explain the Asexual stage of *Rhizopus*.
8. Explain V.S of *Peziza* apothecium.

Contd....2

III. Answer any FIVE of the following:

1. Describe the stelar secondary growth in dicot stem.
2. Describe the stages of Mitosis.
3. Describe the stages of *Puccinia* in secondary host.
4. Explain V.S of capsule in *Funaria*.
5. Write a detailed account on endomycorrhizae.
6. Describe (a) Blast disease in rice & (b) smut disease in sorghum.
7. Describe the morphology and anatomy of *Riccia* thallus.
8. Give a detailed account on the economic importance of fungi.

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Y B

(2014 Batch onwards)

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St Aloysius College (Autonomous)
Mangaluru

B.Sc. Semester II – Degree Examination

April - 2018

ZOOLOGY**Animal Diversity (Chordata)**

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)**

- What is retrogressive metamorphosis? Give an example.
- Write any four differences between lampreys and hagfishes.
- Name the different types of lateral fins. Where are they found in fishes?
- Write the scientific names of mackerel and dog fish.
- Draw a diagram of atlas vertebra.
- Name any four amphibians.
- What are arcades and fossae?
- Write any four salient features of order squamata.
- What is heterocoelous vertebra? Where do you find it?
- Give any two examples of prototheria.
- Explain the term – i) diphodont ii) blubber
- What is diastema?

**PART – B****Select ONE full question from each unit.****Unit I**

- II a)** With a neat labelled diagram, explain the externals of *Amphioxus*. **(10)**
- b)** Enumerate the general characters of urochordata. **(5)**
- c)** Discuss the structure of Ammocoete larva. **(5)**

OR

- III a)** Enumerate the general characters of cyclostomata with two examples. **(10)**
- b)** With a neat labelled diagram describe the external features of lamprey. **(5)**
- c)** Give the schematic classification of subphylum vertebrata. **(5)**

Unit II

- IV a)** Give an account of general characters of amphibia. Classify upto orders with examples. **(10)**
- b)** Enumerate the differences between chondrichthyes and osteichthyes. **(5)**
- c)** Draw a neat labelled diagram of the dorsal view of frog's skull. **(5)**

OR

Contd...2

- V a)** With a neat labelled diagram describe the hindlimb skeleton of frog. (10)
b) Enumerate the differences between anurans and urodeles. (5)
c) Describe the structure of mackerel. (5)

Unit III

- VI a)** Write the general characteristics of class reptilia. Classify upto orders giving two characters and two examples for each. (10)
b) Describe poison apparatus in cobra. (5)
c) Give brief account of flight adaptation in birds. (5)

OR

- VII a)** Compare subclass archaenithes with subclass neornithes. (10)
b) Enlist the general characters of chelonia with examples. (5)
c) Enumerate the distinctive features of impennae with example. (5)

Unit IV

- VIII a)** With a neat labelled diagram explain the male reproductive system of rat. (10)
b) Explain the reptilian features of prototheria. (5)
c) Enumerate the characteristic features of order cetacea with two examples. (5)

OR

- IX a)** Enumerate the distinctive features of sub class metatheria with two examples. (10)
b) Write a note on ruminant stomach. (5)
c) Enumerate the characteristic features of order perissodactyla with two examples. (5)

**St Aloysius College (Autonomous)
Mangaluru**

**B.Sc. - Semester II - Degree Examination
April - 2018**

MICROBIOLOGY

Basic Microbiology

Max Marks: 100

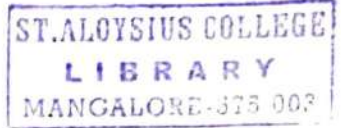
Time: 3 hrs.

Instructions: Draw Diagrams wherever necessary.
Answer Questions from Part -A, B and C.

PART - A

(2x10=20)

1. Define/Answer any **TEN** of the following:
- Capsule
 - Halophiles
 - TMV
 - Virusoides
 - Plaque formation
 - Budding
 - Heterocyst
 - Amoebiasis
 - Causative agent of rocky mountain spotted fever
 - Capsid
 - Macro conidia
 - Lipid A



PART - B

Answer 'a' or 'b' and 'c' is compulsory from each unit.

(15x4=60)

UNIT - I

2. a) Explain the general properties and classification of mycoplasma.
- OR**
2. b) Give a detailed account on the structure of bacterial flagella. Add a note on the arrangement of bacterial flagella. **(9)**
2. c) Write a note on cytoplasmic inclusions. **(6)**

UNIT - II

3. a) Give an account on lysogenic cycle. Add a note on one step growth curve of viruses.
- OR**
3. b) Discuss on the methods used for virus cultivation. **(9)**
3. c) Give an account on viroids. **(6)**

UNIT - III

4. a) Explain the morphology of penicillium. Discuss on the sexual reproduction.

OR

4. b) Discuss the general characteristics of fungi. Write a note on spores and spore dispersal. (9)

4. c) Briefly discuss the morphology of Rhizopus. (6)

UNIT - IV

5. a) Explain the general characteristics of cyanobacteria. Add a note on its classification.

OR

5. b) Explain the life cycle of plasmodium in man. (9)

5. c) Write a short note on Balantidium coli. (6)

PART - C

Answer any FOUR of the following.

(5x4=20)

6. a) Peptidoglycan
- b) Morphology of yeast
- c) Prions
- d) Anabaena
- e) Bacterial endospore
- f) Actinomycetes

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St Aloysius College (Autonomous)

Mangaluru

B.Sc. Semester II- Degree Examination

April 2018

BIOCHEMISTRY

Human Physiology and Nutritional Biochemistry

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 Blood volume.
- b) Name the organs involved in maintaining the acid base balance of the body.
- c) What is resting membrane potential?
- d) Name any factors affecting BMR.
- e) What are essential aminoacids? Give an example.
- f) Mention the dietary sources for invisible fats.
- g) Why selenium is important to the body?
- h) Give the structural formula of vitamin B6.
- i) What are the deficiency disorders of Folic acid?
- j) Mention the chief dietary source and daily requirement for vitamin-D.
- k) Name the principle toxin present in *Lathyrus sativa* and which disease does it cause?
- l) What is an appetite?



PART - B

Answer any SIX of the following

(6×5=30)

2. Give an account on acidosis and alkalosis.
3. What are blood buffers? Explain.
4. How do you determine the calorific value of foods by Bomb calorimeter?
5. Define i) NPU ii) PER iii) BV of proteins.
6. What are macronutrients? Explain the role of calcium in biological system.
7. Explain the biological role and deficiency symptoms of vitamin-A.
8. Explain the sources and harmful effects of dicoumarol and lead chromate.
9. Explain the composition and function of saliva.

PART - C

Answer any FIVE of the following

(5×10=50)

10. Describe the structure of liver lobule and add a note on detoxification mechanisms.
11. Write a short note on a) Structure of neuron.
b) Absorption and deficiency disorders of iodine.
12. Explain the physiological function and excretion of sodium and zinc in the body.
13. Write a short note on a) Vitamin-C as a redox reagent
b) Deficiency and dietary sources of pantothenic acid.
14. Give the structural formula, cozymic forms and biological role of riboflavin.
15. What are carcinogens and procarcinogens? Write a note on trypsin inhibitors.
16. Give a detailed account on digestion, absorption and transport of proteins.

(2014 batch onwards)

Reg. No.

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St Aloysius College (Autonomous)**Mangaluru****B.Sc. Semester II – Degree Examination****April - 2018****BIOTECHNOLOGY – Paper II
BIOCHEMISTRY**

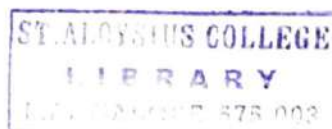
Time: 3 hrs.

Max Marks: 100

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

PART - AAnswer any **TEN** of the following.**(10×2=20)**

- 1.a) Name two pyrimidine bases found in RNA.
- b) Define reducing sugar. Give any two examples.
- c) Mention any two properties of phospholipids.
- d) List any two functions of vitamin A.
- e) What is LB plot? Write its significance.
- f) Define catabolism and anabolism.
- g) What are alkaloids? Give an example.
- h) Define secondary metabolism.
- i) Define apoenzyme and holoenzyme.
- j) Mention any two functions of adrenal hormones.
- k) What is mutarotation?
- l) What is K_m ? Mention its significance.

**PART - B**Answer any **SIX** of the following.**(6×5=30)**

2. Why ATP is called Biological Energy currency? Justify.
3. Write a note on ETC.
4. Explain single and double displacement reactions with suitable example.
5. Describe the structure of DNA.
6. Explain the types of enzyme specificity.
7. Describe α -helix structure of proteins.
8. Explain the structure and functions of starch.

Contd...2

9. Explain ring structure of glucose.

PART - C

Answer any FIVE of the following.

(5×10=50)

10. Discuss classification, physical properties and chemical reactions of fatty acids.
11. Give a detailed account on classification of standard amino acids.
12. Explain different factors affecting rate of enzymatic reaction.
13. Explain characteristics of enzyme catalyzed reaction and add a note on classification of enzymes.
14. Explain fat soluble vitamins.
15. Give a detailed account on glycolysis.
16. Discuss β -oxidation of fatty acids in detail.
17. Explain structure and functions of Maltose and Lactose.

(2016 batch onwards)

Reg. No.

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St Aloysius College (Autonomous)
Mangaluru
B.Sc. Semester II – Degree Examination
April – 2018
ECONOMICS
Principles of Economics - II

Time: 3 hrs.

Max Marks: 100

PART - A

Answer any **FOUR** of the following questions in about 10 sentences each:
 (4x5=20)

1. What is price discrimination?
2. What are the striking features of Oligopoly?
3. Differentiate between real wage and nominal wage.
4. Write a note on National Income.
5. What are the determinants of multiplier?
6. What do you mean by Inflationary Gap?

**PART - B**

Answer any **FOUR** of the following questions in about 20 sentences each:
 (4x10=40)

7. Examine the role of time-element in price determination.
8. Explain the features of monopolistic competition.
9. Analyse liquidity preference theory of interest.
10. Examine the methods of national income estimation.
11. What is consumption function? What are its determinants?
12. Explain the causes responsible for inflation.

PART - C

Answer any **TWO** of the following questions in about 50 to 60 sentences each:
 (2x20=40)

13. What is Monopoly? Explain equilibrium price output determination under monopoly.
14. Explain Ricardian theory of rent. What are its limitations?
15. Explain the Keynesian theory of employment. What are its criticisms?
16. What are business cycles? Explain the different phases of business cycles.

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St Aloysius College (Autonomous)

Mangaluru

B.A./B.Sc./B.C.A. - Semester II - Degree Examination

April - 2018

FOUNDATION COURSE IN INDIAN CONSTITUTION AND VALUE EDUCATION

Time: 3 Hours

Max. Marks: 100

PART - A**INDIAN CONSTITUTION****I. Answer all the following questions in three sentences each. Each question carries one mark:**

(1x5=5)

ಕೆಳಗಿನ ಎಲ್ಲಾ ಪ್ರಶ್ನೆಗಳನ್ನು ಮೂರು ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿ. ಪ್ರತಿಯೊಂದು ಪ್ರಶ್ನೆಗೂ ಒಂದು ಅಂಕಗಳು.

1. Name the plan, under which Constituent Assembly was set up in India.
ಯಾವ ಯೋಜನೆಯ ಅನುಗುಣವಾಗಿ ಭಾರತ ಸಂವಿಧಾನದ ರಚನಾ ಸಭೆಯನ್ನು ಸ್ಥಾಪಿಸಲಾಯಿತು?
2. How many members are nominated by the President of India to Lok Sabha and Rajya Sabha?
ಭಾರತದ ರಾಷ್ಟ್ರಪತಿಯು ಲೋಕ ಸಭೆ ಮತ್ತು ರಾಜ್ಯ ಸಭೆಗೆ ಎಷ್ಟು ಸದಸ್ಯರನ್ನು ನೇಮಕ ಮಾಡುತ್ತಾರೆ?
3. Name the constitutional amendment through which the right to property was deleted from the list of Fundamental Rights of Indian constitution.
ಸಂವಿಧಾನದ ಯಾವ ತಿದ್ದುಪಡಿಯ ಮೂಲಕ ಆಸ್ತಿಯ ಹಕ್ಕನ್ನು ಮೂಲಭೂತ ಹಕ್ಕುಗಳ ಪಟ್ಟಿಯಿಂದ ತೆಗೆದು ಹಾಕಲಾಯಿತು?
4. Who acts as a link between the President and Cabinet?
ಕ್ಯಾಬಿನೆಟ್ ಮತ್ತು ರಾಷ್ಟ್ರಾಧ್ಯಕ್ಷರ ನಡುವಣ ಕೊಂಡಿಯಾಗಿ ಯಾರು ಕಾರ್ಯ ನಿರ್ವಹಿಸುತ್ತಾರೆ?
5. Name the two Houses of state legislature.
ರಾಜ್ಯ ಶಾಸಕಾಂಗದ ಎರಡು ಸದನಗಳನ್ನು ಹೆಸರಿಸಿ.

**II. Answer any FIVE questions in about a paragraph each. Each question carries 3 marks:**

(3x5=15)

ಕೆಳಗಿನ ಯಾವುದಾದರೂ ಐದು ಪ್ರಶ್ನೆಗಳಿಗೆ ಒಂದು ಖಂಡದೊಳಗೆ ಉತ್ತರಿಸಿ. ಪ್ರತಿಯೊಂದು ಪ್ರಶ್ನೆಗೂ 3 ಅಂಕಗಳು.

6. Radha and Rahim were studying in a college together for five years. When they became 25 years old and were employed they wanted to get married to each other. But their parents did not approve this alliance as both of them belonged to different religions. However both Radha and Rahim decided to go ahead and get married. Radha's family got upset about it as they thought that she had brought dishonour to the family. They got Rahim beaten up by goons and abducted Radha and put her on house arrest. When Rahim complained it to the police, the police expressed their helplessness.

i) Do you think Radha's family is right in taking such a stand against Radha?

ii) Name the right of Radha and Rahim that is violated in this incident.

iii) Do you approve the behaviour of the police?

ರಾಧ ಮತ್ತು ರಹೀಮ್ 5 ವರ್ಷ ಒಂದೇ ಕಾಲೇಜಿನ ವಿದ್ಯಾರ್ಥಿಗಳಾಗಿದ್ದರು ವ್ಯಾಸಂಗ ಮುಗಿಸಿದ ತರುವಾಯ ತಮ್ಮ 25ನೇ ವಯಸ್ಸಿನಲ್ಲಿ ಅವರಿಬ್ಬರು ಮದುವೆಯಾಗಲು ಇಚ್ಛಿಸಿದಾಗ ತಮ್ಮ ಅಪ್ಪ ಅಮ್ಮಂದಿರ ಒಪ್ಪಿಗೆ ಪಡೆಯಲು ಸೋಲುತ್ತಾರೆ. ಆದರೂ ಮನೆಯ ಒಪ್ಪಿಗೆಯ ವಿರುದ್ಧ ಮದುವೆ ಮಾಡಿಕೊಳ್ಳುತ್ತಾರೆ. ಇದರಿಂದ ಕುಪಿತರಾದ ರಾಧಾಳ ಕುಟುಂಬದವರು ಇದು ತಮ್ಮ ಕುಟುಂಬಕ್ಕೆ ಕಳಂಕ ಎಂದು ಬಗೆದು ರಹೀಮನ ಮೇಲೆ ದಬ್ಬಾಳಿಕೆ ನಡೆಸಿ ಗೂಂಡಾಗಳಿಂದ ಹೊಡೆಸುತ್ತಾರೆ ಹಾಗೂ ರಾಧಾಳನ್ನು ಗೃಹ ಬಂಧನದಲ್ಲಿ ಇಡುತ್ತಾರೆ. ರಹೀಮ್ ಈ ಘಟನೆಯ ಬಗ್ಗೆ ಪೊಲೀಸರಿಗೆ ದೂರಿದಾಗ, ಪೊಲೀಸರು ತಾವು ಈ ಸನ್ನಿವೇಶದಲ್ಲಿ ಅಸಹಾಯಕರು, ಏನಿದ್ದರೂ ರಾಧ ಅವರ ಮಗಳು ಎನ್ನುತ್ತಾರೆ.

- ಅ) ನಿಮ್ಮ ಅಭಿಪ್ರಾಯದ ಪ್ರಕಾರ ರಾಧಕ ಕುಟುಂಬವು ಇಂತಹ ಕೃತ್ಯವನ್ನು ಮಾಡುವುದು ಸಮಂಜಸವೇ?
- ಆ) ರಾಧ ಮತ್ತು ರಹೀಮರ ಯಾವ ಮೂಲಭೂತ ಹಕ್ಕು ಇಲ್ಲಿ ಉಲ್ಲಂಘನೆಯಾಗಿದೆ?
- ಇ) ಪೋಲಿಸರ ವರ್ತನೆಯನ್ನು ನೀವು ಅನುಮೋದಿಸುತ್ತೀರಾ?
7. What is the recent judgement of the Supreme Court on honour killing?
ಮರ್ಯಾದಾ ಹತ್ಯೆಯ ಬಗ್ಗೆ ಸರ್ವೋಚ್ಚ ನ್ಯಾಯಾಲಯದ ಇತ್ತೀಚಿನ ತೀರ್ಪು ಯಾವುದು?
8. Explain any three types of writs enshrined in the constitution.
ಸಂವಿಧಾನದಲ್ಲಿ ಕೊಟ್ಟಿರುವ ಯಾವುದಾದರೂ ಮೂರು ರೀತಿ ಅರ್ಜಿಗಳ ಬಗ್ಗೆ ವಿವರಿಸಿ.
9. Prime minister is considered as "primus inter pares" (first among equals).
State the reasons.
ಪ್ರಧಾನ ಮಂತ್ರಿಯನ್ನು ಸಮಾನರಲ್ಲಿ ಮೊದಲು ಎಂದು ಪರಿಗಣಿಸಲಾಗಿದೆ. ಕಾರಣಗಳನ್ನು ಕೊಡಿ.
10. Write your opinion on Triple Talaq Bill.
ಟ್ರಿಪಲ್ ತಲಾಕ್ ಮಸೂದೆಯ ಬಗ್ಗೆ ನಿಮ್ಮ ಅಭಿಪ್ರಾಯವನ್ನು ಬರೆಯಿರಿ.
11. Mr. Shakti was arrested by the police authorities. He was detained in the custody and the police did not book a charge sheet against Mr. Shakti. Describe the remedy available for Mr. Shakti in Indian Constitution. Who can tender application for such a remedy?
ಶ್ರೀಯುತ ಶಕ್ತಿ ಅವರನ್ನು ಪೋಲಿಸರು ಬಂಧಿಸುತ್ತಾರೆ. ಅವರ ಮೇಲೆ ಯಾವುದೇ ಕಾನೂನು ಕ್ರಮ ಕೈಗೊಳ್ಳದೇ ಪೋಲಿಸರು ಅವರನ್ನು ಬಂಧನದಲ್ಲಿ ಇರಿಸುತ್ತಾರೆ. ಭಾರತದ ಸಂವಿಧಾನದಲ್ಲಿ ಶ್ರೀಯುತ ಶಕ್ತಿಯವರಿಗೆ ಲಭ್ಯವಿರುವ ಪರಿಹಾರವನ್ನು ವಿವರಿಸಿ. ಇದರ ಪರಿಹಾರಕ್ಕಾಗಿ ಯಾರು ಅರ್ಜಿಯನ್ನು ಸಲ್ಲಿಸಬಹುದಾಗಿದೆ?

III. Answer any FIVE questions in about 10 sentences each. Each question carries 5 marks: (5x5=25)

- ಕೆಳಗಿನ ಯಾವುದಾದರೂ ಐದು ಪ್ರಶ್ನೆಗಳಿಗೆ 10 ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿ. ಪ್ರತಿಯೊಂದು ಪ್ರಶ್ನೆಗೂ 5 ಅಂಕಗಳು.
12. State the preamble of Indian Constitution. State its significance.
ಭಾರತದ ಸಂವಿಧಾನದ ಪ್ರಸ್ತಾವನೆಯನ್ನು ಬರೆದು ಅದರ ಮಹತ್ವವನ್ನು ತಿಳಿಸಿ.
13. Examine the federal features of Indian Constitution.
ಭಾರತದ ಸಂವಿಧಾನದ ಸಂಯುಕ್ತಾತ್ಮಕ ಲಕ್ಷಣಗಳನ್ನು ಪರಿಶೀಲಿಸಿ.
14. Explain the Gandhian principles incorporated in the Directive Principles of State Policy.
ಗಾಂಧೀಜಿಯವರ ತತ್ವಾಧಾರಿತ ರಾಜ್ಯನೀತಿ ನಿರ್ದೇಶಕ ತತ್ವಗಳನ್ನು ವಿವರಿಸಿ.
15. Explain the method of election of the President of India.
ಭಾರತದ ರಾಷ್ಟ್ರಪತಿಯವರ ಚುನಾವಣೆಯ ವಿಧಾನವನ್ನು ವಿವರಿಸಿ.
16. What are the functions of Speaker of Lok Sabha?
ಲೋಕಸಭೆಯ ಸಭಾಧ್ಯಕ್ಷರ ಕಾರ್ಯಗಳಾವುವು?
17. Examine the role of TRAI.
TRAI ಯ ಪಾತ್ರವನ್ನು ಪರಿಶೀಲಿಸಿ.
18. Explain SEBI and Competition Commission of India.
SEBI ಹಾಗೂ ಭಾರತೀಯ ಸ್ಪರ್ಧಾ ಆಯೋಗವನ್ನು ವಿವರಿಸಿ.

IV. Answer any ONE question in about 20 sentences each. Each question carries 10 marks: (10x1=10)

- ಕೆಳಗಿನ ಯಾವುದಾದರೂ ಒಂದು ಪ್ರಶ್ನೆಯನ್ನು 20 ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿ. ಪ್ರತಿಯೊಂದು ಪ್ರಶ್ನೆಗೂ 10 ಅಂಕಗಳು.
19. Explain Right to Equality and Right to Freedom as fundamental rights of Indian citizens.
ಭಾರತೀಯ ಪ್ರಜೆಯ ಮೂಲಭೂತ ಹಕ್ಕುಗಳಾದ ಸಮಾನತೆಯ ಹಕ್ಕು ಹಾಗೂ ಸ್ವಾತಂತ್ರ್ಯದ ಹಕ್ಕುಗಳನ್ನು ವಿವರಿಸಿ.

20. Explain the organization and functions of Lok Sabha.
ಲೋಕಸಭೆಯ ರಚನೆ ಹಾಗೂ ಕಾರ್ಯಗಳನ್ನು ವಿವರಿಸಿ.

V. Answer any **ONE** question in about 40 sentences each. Each question carries 15 marks: (15x1=15)

ಕೆಳಗಿನ ಯಾವುದಾದರೂ ಒಂದು ಪ್ರಶ್ನೆಯನ್ನು 40 ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿ. ಪ್ರತಿಯೊಂದು ಪ್ರಶ್ನೆಗೂ 15 ಅಂಕಗಳು.

21. Explain the salient features of Indian Constitution.
ಭಾರತದ ಸಂವಿಧಾನದ ಪ್ರಮುಖ ಲಕ್ಷಣಗಳನ್ನು ವಿವರಿಸಿ.
22. Describe the powers and functions of the President of India.
ಭಾರತದ ರಾಷ್ಟ್ರಪತಿಯ ಅಧಿಕಾರ ಹಾಗೂ ಕಾರ್ಯಗಳನ್ನು ವಿವರಿಸಿ.

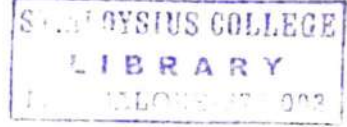
PART - B

(VALUE EDUCATION)

VI. Answer any **FOUR** questions in about 8-10 sentences. Each question carries **FIVE** marks: (5x4=20)

ಕೆಳಗಿನ ಯಾವುದಾದರೂ ನಾಲ್ಕು ಪ್ರಶ್ನೆಗಳನ್ನು 8-10 ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿ. ಪ್ರತಿಯೊಂದು ಪ್ರಶ್ನೆಗೂ 5 ಅಂಕಗಳು.

23. Explain human personality as a positive of self image of five components.
ಮಾನವನ ವ್ಯಕ್ತಿತ್ವವು ಒಂದು ಧನಾತ್ಮಕ ಸ್ವಬಿಂಬದ ಐದು ಪರಿಕರಗಳನ್ನು ಹೊಂದಿಕೊಂಡಿದೆ ಎಂಬುದನ್ನು ವಿವರಿಸಿ.
24. Mention the characteristics of a good human personality.
ಒಳ್ಳೆಯ ಮಾನವ ವ್ಯಕ್ತಿತ್ವದ ಲಕ್ಷಣಗಳು ವಿವರಿಸಿ.
25. Write a note on alcoholism.
ಮದ್ಯಪಾನದ ಬಗ್ಗೆ ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ.
26. "The choice of a career is a process not an event". Explain.
"ವೃತ್ತಿಯ ಆಯ್ಕೆ ಒಂದು ಘಟನೆ ಅಲ್ಲ ಒಂದು ಪ್ರಕ್ರಿಯೆ" ಎಂಬುದನ್ನು ವಿವರಿಸಿ.
27. Name the drugs of abuse and their effects.
ಮಾದಕ ವಸ್ತುಗಳನ್ನು ಹೆಸರಿಸಿ, ಅವುಗಳ ಪರಿಣಾಮಗಳನ್ನು ಬರೆಯಿರಿ.
28. What are the five steps in family counseling?
ಕುಟುಂಬಿಕ ಆಪ್ತ ಸಲಹೆಯ ಐದು ಹಂತಗಳಾವುವು?



VII. Answer any **ONE** question in about 20 sentences. The Question carries 10 marks: (10x1=10)

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

29. What are the causes of dysfunctional family? Suggest remedies.
ನಿಷ್ಕ್ರಿಯ ಕುಟುಂಬಕ್ಕೆ ಕಾರಣಗಳಾವುವು? ಪರಿಹಾರಗಳನ್ನು ಸೂಚಿಸಿ.
30. Explain the important points one has to keep in mind while facing an interview?
ಸಂದರ್ಶನವನ್ನು ಎದುರಿಸುವಾಗ ನೆನಪಿಡಬೇಕಾದ ಅವಶ್ಯಕ ಅಂಶಗಳಾವುವು? ವಿವರಿಸಿ.
