St Aloysius College (Autonomous)
Mangaluru
B.A./B.Com./B.B.A./B.Sc./B.C.A. Semester I - Degree Examination

February - 2021
ENGLISH

Time: 3 Hours   Max. Marks: 100

UNIT - I (PROSE)

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

1. What according to Tocqueville is the term used to suggest the root of patriotism among American people?
2. What qualities of his father did Kalam inherit?
3. Who complained that 'wealth accumulates and men decay'?
4. Who is the Dravidian referred to in the story 'A Hanging'?
5. Leacock draws a hilarious sketch of two rich business men trying to boast of their humble beginnings in life. True/ False.

B. Answer any FIVE of the following in about 200 words each.
(5x5=25)

1. Comment on the author's opinion of American's and the kind of patriotism they display.
2. Tocqueville states that patriotism 'is in itself a kind of religion; it does not reason, but it acts from the impulse of faith and sentiment'. Do you agree or disagree with this statement? Provide reasons for your answer.
3. 'Kalam's parents lived a life of piety and discipline'. Substantiate this idea with examples.
4. Write a short note on the people who had influenced Kalam as a young boy.
5. Discuss how capitalism turns people into 'dangerous lunatics in the real world' with reference to 'How Wealth Accumulates and Men Decay'.
6. What impression of the narrator do you get at the end of the essay 'A Hanging'? Why?
7. Discuss how the two business men compete with each other in 'Self-made Men'.

UNIT - II (POETRY)

II. A. Answer the following in a word/phrase/sentence each.   (5x1=5)

1. In the poem 'Night and Death', who does 'Our First Parent' refer to?
2. What were some of the tools used to create the tiger?
3. If death stopped for 'wise men', what would they want to do?
4. In the poem, 'A Hot Noon in Malabar', who reads palm in a light singsong voice?
5. Who are the two imposters according to Kipling who need to be treated equally?

B. Answer any FOUR of the following in about 120 words each.
(4x5=20)

1. Explain how cosmic pattern is connected to the pattern of human life in the poem 'Night and Death'.
2. How does Blake define the characteristics of the tiger in the poem 'The Tyger'?

3. Analyse the various images used in the poem 'Do Not Go Gentle into That Good Night'.
4. Explain the theme of the poem 'Night and Death' and bring out the connection between the two as depicted by the poet.
5. Do you think the poem 'A Hot Noon in Malabar' effectively conveys the poet's sense of nostalgia? Explain.
6. Why is Kipling's poem titled 'If'?

UNIT - III (SHORT – STORY)

III.   Answer any <u>THREE</u> of the following in about 150 words each:
                                                                    (3x5=15)

1. Do you think Celia and Ronald will make an ideal couple? Justify your answer.
2. Discuss the tone of the story 'Getting Married'. How does the narrator bring out this tone?
3. Why does Pahom buy more and more land? What does this signify?
4. How much land does a man actually need according to Leo Tolstoy's short story 'How Much Land Does a Man Need'?
5. What is the significance of the argument that the two sisters have in the story 'How Much Land Does a Man Need?' How it is related to what happens later?

UNIT – IV (Grammar and Writing Skills)

IV. A.   Fill in the blanks with appropriate idioms and phrases from the ones given in brackets: (6x1=6)
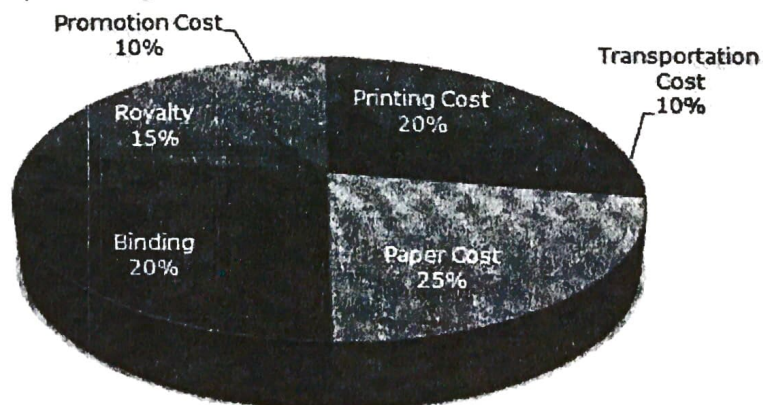**(out of the frying pan into fire, be between the devil and the deep blue sea, make a beeline, to bank on, to feel blue, call the shots, bring home the bacon, cut from the same cloth, down and out, black sheep)**

1. Dinesh and his sister are _____. They both speak the truth all the time.
2. Sharat _____ for the buffet as soon as he entered the restaurant.
3. Anamika has been _____ ever since her ancestral property was taken over by the bank.
4. Chandana has been working hard all these years, _____ for her family.
5. He would later think about how he had jumped _____ when he ran away from home.
6. Tharun is _____ these days because he has lost his job.

B.   Analyse the following graph. Write a report in about 150 words:
                                                                    (1x6=6)
The following pie-chart shows the percentage distribution of the expenditure incurred in publishing a book.

Contd...3

C. **Write a dialogue in about 150 words in 5 turns each.**   **(1x6=6)**

   Write a dialogue between a Teacher and the Principal discussing the issue of ragging.

D. **Develop a story based on the hints given below in about 150 words.**
   (1x6=6)

   Robert Bruce / defeated / finds himself in a hopeless situation / tempted to give up the struggle / chance up a spider / observes how the spider keeps trying to reach its web / nine times it fails to climb up the thread / succeeds in the tenth   attempt / Robert Bruce gets inspired / he tries again and succeeds / reclaims his kingdom.

E. **Read the following passage and answer the questions. Answer in a word/phrase/sentence for 1-mark questions and in 2 or 3 sentences for 2 marks questions.**

   Philosophy of Education is a label applied to the study of the purpose, process, nature and ideals of education. It can be considered a branch of both philosophy and education. Education can be defined as the teaching and learning of specific skills, and the imparting of knowledge, judgment and wisdom, and is something broader than the societal institution of education we often speak of.

   Many educationalists consider it a weak and woolly field, too far removed from the   practical applications of the real world to be useful. But philosophers dating back to Plato and the Ancient Greeks have given the area much thought and emphasis, and there is little doubt that their work has helped shape the practice of education over the millennia.

   Plato is the earliest important educational thinker, and education is an essential element in "The Republic" (his most important work on philosophy and political theory, written around 360 B.C.). In it, he advocates some rather extreme methods: removing children from their mother's care and raising them as wards of the state, and differentiating children suitable to the various castes, the highest receiving the most education, so that they could act as guardians of the city and care for the less able. He believed that education should be holistic, including facts, skills, physical discipline, music and art. Plato believed that talent and intelligence is not distributed genetically and thus is to be found in children born to all classes, although his proposed system of selective public education for an educated minority of the population does not really follow a democratic model.

   Aristotle considered human nature, habit and reason to be equally important forces to be cultivated in education, the ultimate aim of which should be to produce good and virtuous citizens. He proposed that teachers lead their students systematically, and that repetition be used as a key tool to develop good habits, unlike Socrates emphasis on questioning his listeners to bring out their own ideas. He emphasized the balancing of the theoretical and practical aspects of subjects taught, among which he explicitly mentions reading, writing, mathematics, music, physical education, literature, history, and a wide range of sciences, as well as play, which he also considered important.

   During the Medieval period, the idea of Perennialism was first formulated by St. Thomas Aquinas in his work "De Magistro". Perennialism holds that one should teach those things deemed to be of everlasting importance to all people everywhere, namely principles and reasoning, not just facts (which are apt to change over time), and that one should teach first about people, not machines or techniques. It was originally religious in nature, and it was only much later that a theory of secular perennialism developed.

During the Renaissance, the French skeptic Michel de Montaigne (1533 - 1592) was one of the first to critically look at education. Unusually for his time, Montaigne was willing to question the conventional wisdom of the period, calling into question the whole edifice of the educational system, and the implicit assumption that university-educated philosophers were necessarily wiser than uneducated farm workers, for example.

i. Why do educationists consider philosophy a 'weak and woolly' field?
   a) It is not practically applicable
   b) Its theoretical concepts are easily understood
   c) It is irrelevant for education
   d) None of the above   **(1)**

ii. What do you understand by the term 'Perennialism', in the context of the given comprehension passage?
   a. It refers to something which is of ceaseless importance
   b. It refers to something which is quite unnecessary
   c. It refers to something which is abstract and theoretical
   d. It refers to something which existed in the past and no longer exists now   **(1)**

iii. Were Plato's beliefs about education is democratic?
   a) He believed that only the rich have the right to acquire education
   b) Yes
   c) He believed that only a select few are meant to attend schools
   d) He believed that all pupils are not talented   **(1)**

iv. Why did Aquinas propose a model of education which did not lay much emphasis on facts?
   a) Facts are not important
   b) Facts do not lead to holistic education
   c) Facts change with the changing times
   d) Facts are frozen in time   **(1)**

v. What is the difference between the approaches of Socrates and Aristotle?

<div align="center">************</div>   **(2)**

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B.A./B.Com./B.B.A./B.Sc./B.C.A. - Semester I Degree Examination
February 2021
HINDI

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

I अ)   एक वाक्य में उत्तर लिखिए :   (6X1=06)

१.   वर्ण किसे कहते हैं ?

२.   स्वर के कितने भेद हैं ?

३.   मात्रा किसे कहते हैं ?

४.   'परीक्षा' शब्द का संधि विच्छेद कीजिए ।

५.   द्रव्यवाचक संज्ञा के उदाहरण दीजिए ।

६.   कारक की परिभाषा लिखिए ।

आ)   किन्हीं दो प्रश्नों का उत्तर लिखिए :   (2X7=14)

१.   संधि की परिभाषा लिख कर मुख्य भेदों को सोदाहरण समझाइए ।

२.   संज्ञा किसे कहते हैं ? भेदों को उदाहरण सहित समझाइए ।

३.   कारक किसे कहते हैं ? भेदों को सोदाहरण समझाइए ।

II अ)   एक वाक्य में उत्तर लिखिए :   (6X1=06)

१.   पुरुषवाचक सर्वनाम के कितने भेद हैं ?

२.   विशेषण की परिभाषा लिखिए ।

३.   कर्म के अनुसार क्रिया के कितने भेद हैं ?

४.   सकर्मक क्रिया की परिभाषा लिखिए ।

५.   बनावट के विचार से क्रिया के मुख्य कितने भेद हैं ?

६.   'कर्मवाच्य' किसे कहते हैं ?

आ)   किन्हीं दो प्रश्नों का उत्तर लिखिए :   (2X7=14)

१.   सर्वनाम की परिभाषा लिख कर उनके भेदों को सोदाहरण समझाइए ।

२.   क्रिया की परिभाषा लिख कर धातु को सोदाहरण समझाइए ।

३.   प्रयोग के कारण क्रिया के भेदों को उदाहरण सहित समझाइए ।

III अ)   एक वाक्य में उत्तर लिखिए :   (6X1=06)

१.   अलाव के सामने घीसू माधव क्या कर रहे थे ?

२.   कफन के लिए कुल कितने रुपए इकट्ठे हुए ?

३.   'पुरस्कार' कहानी के कहानीकार कौन हैं ?

४.   मगध के राजकुमार का नाम क्या था ?

५.   पठानों ने किस रंग का पोशाक पहना था ?

६.   जुबैदा और संजय ने साथ में कौन सी पढ़ाई की थी ?

आ)   किसी एक कहानीकार का परिचय लिखिए :   (1X6=06)

१.   प्रेमचन्द ।

२.   जयशंकर प्रसाद ।

इ)   किसी <u>एक</u> की संदर्भ सहित व्याख्या कीजिए :   (1X6=06)

१.   "बंद करो जी दरवाजा, बिना पूछे चढ़ आते हैं, अपने बाप का घर समझ रखा है । मत घुसने दो जी, क्या करते हो, धकेल दो पीछे..."

२.   "बस करो और कुछ नहीं कहना । घर जाओ और विवाह की तैयारी करो ।"

ई)   किसी <u>एक</u> प्रश्न का उत्तर लिखिए :   (1X12=12)

१.   "कफन" कहानी में वर्णित लेखक के विचारों को अपने शब्दों में लिखिए ।

२.   "वेलेंटाइन डे" कहानी का सार लिख कर विशेषताओं पर प्रकाश डालिए ।

IV अ)   एक वाक्य में उत्तर लिखिए :   (6X1=06)

१.   प्रायश्रित कहानी में पंडित का नाम क्या है ?

२.   बिल्ली का नाम क्या था ?

३.   भोलाराम की उम्र कितनी थी ?

४.   बालक का गाँव नैनीताल से कितनी दूरी पर था ?

५.   'मक्रील' कहानी के कहानीकार कौन हैं ?

६.   मक्रील का अतिथि (कवि) किस होटल में ठहरा था ?

आ)   किसी <u>एक</u> कहानीकार का परिचय लिखिए :   (1X6=06)

१.   भगवती चरण वर्मा ।

२.   हरिशंकर परसाई ।

इ)   किसी <u>एक</u> की संदर्भ सहित व्याख्या कीजिए :   (1X6=06)

१.   "अरे यार ! बजट बिगड जाएगा । हृदय में जितनी दया है, पास में उतने पैसे तो नहीं है ।"

२.   "तो आओ । उसने कहा, यहीं साथ दो मक्रील के गर्भ में ।"

ई)   किसी <u>एक</u> प्रश्न का उत्तर लिखिए :   (1X12=12)

१.   "प्रायश्रित कहानी में लोगों के अंधविश्वास पर तमाचा मारा गया है ।" स्पष्ट कीजिए ।

२.   "मक्रील" कहानी का सार लिख कर विशेषताओं पर प्रकाश डालिए ।

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G 637.1/G 637.1

ಸಂತ ಆಲೋಶಿಯಸ್ ಕಾಲೇಜು (ಸ್ವಾಯತ್ತ)

ಮಂಗಳೂರು

ಬಿ.ಎಸ್ಸಿ./ಬಿ.ಸಿ.ಎ – ಮೊದಲ ಚತುರ್ಮಾಸ ಅಂತಿಮ ಪರೀಕ್ಷೆ

February 2021

ಕನ್ನಡ ಭಾಷಾ ಪತ್ರಿಕೆ – 1

ಸಮಯ: 3.00 ಘಂಟೆ   ಗರಿಷ್ಠ ಅಂಕ: 100

I   ಈ ಕೆಳಗಿನ <u>ಮೂರು</u> ಪ್ರಶ್ನೆಗಳಿಗೆ ಉತ್ತರಿಸಿ   **(10x3=30)**

   1) ಅಲ್ಲಮನನ್ನು ಒಲಿದ ಮಾಯೆಯ ವಿಕ್ಷಿಪ್ತ ಮನಸ್ಥಿತಿಯನ್ನು ವಿವರಿಸಿ

   2) ಆಮುಗೆ ರಾಯಮ್ಮನ ವಚನಗಳ ಆಶಯವನ್ನು ಪಠ್ಯಭಾಗದ ವಚನಗಳ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ವಿವರಿಸಿ

   3) ಗುಣಶೇಖರನು ಮಣಿಮಂಜರಿ ಹೇಳಿದ ಒಗಟನ್ನು ಬಿಡಿಸಿ ವಿವಾಹವಾದ ಬಗೆಯನ್ನು ವಿವರಿಸಿ

   4) ಸಂತೆಯಲ್ಲಿ ನಡೆಯುವ ಚೌಕಾಸಿ ವ್ಯಾಪಾರದ ಕುರಿತು ಬರೆಯಿರಿ

   5) ಕನ್ನಡದಲ್ಲಿ ಬಳಕೆಯಾಗುವ ಲೇಖನಚಿಹ್ನೆಗಳು ಯಾವುವು? ವಿವರಿಸಿ

   6) ಭಾಷೆ ಪಡೆದುಕೊಳ್ಳುವ ಅರ್ಥ ಸಾಧ್ಯತೆಗಳನ್ನು ವಿವರಿಸಿ

II   ಈ ಕೆಳಗಿನ <u>ಮೂರು</u> ಪ್ರಶ್ನೆಗಳಿಗೆ ಉತ್ತರಿಸಿ   **(6x3=18)**

   7) ಹಣದ ಮಹಿಮೆಯನ್ನು 'ಕುರುಡು ಕಾಂಚಾಣ' ಕವನದ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ವಿವರಿಸಿ

   8) ತುಳುನಾಡಿನ ಸೊಗಸು ಎಂತಹುದು ಎಂಬುದನ್ನು ವಿವರಿಸಿ

   9) ಕೆಳಸದವಳ ನಿಷ್ಠೆ ಎಂತಹುದು? ಕೆಳಸದ ಜೊತೆಗೆ ಏನೇನು ಮಾಡುತ್ತಿದ್ದಳು? ವಿವರಿಸಿ

   10) ಅಣೆಕಟ್ಟೆಯಲ್ಲಿ ಮರೆಯಾದ ಬದುಕಿನ ಘಟನೆಗಳನ್ನು ಸುಮಂಗಲಾರವರ ಕಥೆಯ ಹಿನ್ನೆಲೆಯಲ್ಲಿ ವಿವರಿಸಿ

   11) ಕನ್ನಡದ ವಾಕ್ಯಗಳಲ್ಲಿ ಬಳಕೆಯಾಗುವ ವಿರಾಮ ಚಿಹ್ನೆಗಳು ಯಾವುವು? ಉದಾಹರಣೆಯೊಂದಿಗೆ ವಿವರಿಸಿ

   12) ಭಾಷೆಯನ್ನು ರೂಪುಗೊಳಿಸಬೇಕಾದ ಬಗೆಯನ್ನು ವಿವರಿಸಿ

III   <u>ಒಂದು</u> ಪದ್ಯಭಾಗದ ಸಂದರ್ಭ ತಿಳಿಸಿ ಸ್ವಾರಸ್ಯ ಬರೆಯಿರಿ   **(6x1=6)**

   13) ಬಯಲ ಚಪ್ಪರಿಪಂತೆ ಚುಂಬನ

       ಬಯಲನಪ್ಪುವವೊಲು ಸಮಷ್ಟಿಕೆ

       ಬಯಲನೀಕ್ಷಿಸುವಂತೆ ನೋಟದ ಕೂಟದನುಭವಣೆ

       ಬಯಲುಗೊಂಡವು ಭಾವಿಸಲು ನಿ

       ರ್ವ್ಯಯಲಿನಲ್ಲಮಗೋತ ಕಾರಣ

       ಬಯಲ ಬಿಹ್ಪದ ಬಲೆಗೆ ಬಿದ್ದಳು ಮಾಯೆ ಸುರತದಲಿ

   14) ಗುಡಿಯೊಳಗೆ ಗಣಣ, ಮಾ–

       ಹಡಿಯೊಳಗೆ ತನನ, ಅಂ

       ಗಡಿಯೊಳಗ ರ್ಘುಣರ್ಘುಣ ನುಡಿಗೊಡುತಿತ್ತೋ

       ಹ್ಯಾಂಗಾರೆ ಕುಣಿಕುಣಿದು

       ಮಂಗಾಟ ನಡೆದಾಗ

       ಅಂಗಾತ ಬತ್ತೋ, ಹೆಗಲಲಿ ಎತ್ತೋ.

IV   ಎರಡು ಸಾಲುಗಳಿಗೆ ಸಂದರ್ಭ, ಅರ್ಥ ವಿಶೇಷತೆಗಳನ್ನು ವಿವರಿಸಿ   **(5x2=10)**

   15) ದೊಡ್ಡ ಮನೆತನ ನಾಡುವಾಡೆಯ ಅಳಿಯಕಟ್ಟಿನಲಿ

   16) ಗುರಿಯಿರದ ಅರಿವಿರದ ಚಲನೆಯಲ್ಲಿ, ಕ್ಷೇಮವನು ಹುಡುಕಿತು

   17) ಹುಟ್ಟನೊಂದಿಗೆ ಬೆಸೆದುಕೊಂಡಿದೆ ಕವಚ ಮುಟ್ಟಬಾರದ ಕವಚ

   18) ಹಣ್ಣನ್ನು ಮಾಗಿಸುವುದು ಮರವಲ್ಲ ಕಾಲ

V   **a)**   ಎರಡರ ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ   **(6x2=12)**

   19) ಆಂಬಿಗರ ಚೌಡಯ್ಯ

   20) ಬೆನಿನ್ ರಸ್ತೆ

   21) ಬಲುಮಂಕಾಳಿ ಬಿಡಿಸಿದ ಒಗಟುಗಳು ಯಾವುವು?

   22) ಮಿಸಸ್ ಬ್ರಾಸ್ವರ್ಥಳ ಅತಿಯಾದ ಸಿಟ್ಟಿಗೆ ಕಾರಣಗಳೇನು?

b) <u>ಎರಡರ ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ</u>   (6x2=12)

23) ದ.ರಾ ಬೇಂದ್ರೆ

24) ತುಳು ಭಾಷೆ

25) ಪೂರ್ಣಚಂದ್ರ ತೇಜಸ್ವಿ

26) ಅಣ್ಣಪ್ಪನ ಪಾತ್ರ ಪರಿಚಯ

VI **ಎಲ್ಲಾ ಪ್ರಶ್ನೆಗಳಿಗೆ ಒಂದೊಂದು ವಾಕ್ಯದಲ್ಲಿ ಉತ್ತರಿಸಿ**   (1x12=12)

27) 'ಪ್ರಭುಲಿಂಗ ಲೀಲೆ' ಕೃತಿಯನ್ನು ರಚಿಸಿದ ಕವಿ ಯಾರು?

28) 'ಶಬ್ದ ಗಾರುಡಿಗ' ಎಂದು ಖ್ಯಾತಿ ಪಡೆದ ಕವಿ ಯಾರು?

29) ತುಳು ದ್ರಾವಿಡ ಭಾಷೆಗಳಲ್ಲೇ ಪ್ರೌಢಭಾಷೆ ಎಂಬುದಾಗಿ ಹೇಳಿದ ಭಾಷಾವಿಜ್ಞಾನಿ ಯಾರು?

30) ಆಮುಗೆ ರಾಯಮ್ಮನ ವಚನಗಳ ಅಂಕಿತವೇನು?

31) ಪೂರ್ಣಚಂದ್ರ ತೇಜಸ್ವಿಯವರ ಒಂದು ಕೃತಿಯನ್ನು ಹೆಸರಿಸಿ

32) ಡಾ.ಪಿ.ಕೆ. ರಾಜಶೇಖರ ರವರು ಕಟ್ಟಿದ ಜನಪದ ಗಾಯನ ವೃಂದದ ಹೆಸರೇನು?

33) 'ಮಾಲ್ಗುಡಿ ಡೇಸ್' ಕೃತಿಯನ್ನು ಬರೆದ ಪ್ರಸಿದ್ಧ ಲೇಖಕರು ಯಾರು?

34) ಎಸ್. ಅನಂತನಾರಾಯಣರವರ ಸಂಶೋಧನಾ ಕೃತಿ ಯಾವುದು?

35) ಪೂರ್ಣವಿರಾಮ ಚಿಹ್ನೆ ಎಂದರೇನು?

36) ಭಾವಸೂಚಕ ಚಿಹ್ನೆಯನ್ನು ಯಾವಾಗ ಬಳಸುತ್ತಾರೆ?

37) ಉದ್ಧರಣ ಚಿಹ್ನೆಯನ್ನು ಒಂದು ಉದಾಹರಣೆಯೊಂದಿಗೆ ಬರೆಯಿರಿ

38) ಭಾಷೆಯಲ್ಲಿ ಯಾವುದು ಸಾಪೇಕ್ಷವಾಗಿದೆ?

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St Aloysius College (Autonomous)

Mangaluru

B.A. /B.Sc./B.Com./B.B.A./B.C.A. - Semester I -Degree Examination

February 2021

ADDITIONAL ENGLISH

CROSS CULTURAL TEXTS - I

Time: 3 hrs.   Max Marks: 100

SECTION A : Prose

I.   Answer the following in a word/phrase or a sentence.   (1x5=5)

1. The narrator's mother in "A Waterfall of Horses" worked for _____.
2. In "The Adventure of the Speckled Band" Julia Stoner is the wife of Dr Roylatt. (True or False)
3. The lady in "The Human Phonograph" moves from Qinghai to Beijing to Factory 221 to meet her ex-husband who has been away for seven years. (True/False)
4. The short story collection by Shashi Tharoor called _____ was banned during the Emergency.
5. _____was Bah Lumen's daughter who was having an affair with Sahib Sam.

**II.   Answer any FOUR following questions in about 150-200   (4x5=20)
        words:**

1. Holmes is known for his uncanny observation skills. Elucidate with reference to "The Adventures of The Speckled Band."
2. Write a short note on the narrator in "A Waterfall of Horses"
3. "Once again she is in the terrain of Qinghai...she years for impossible Beijing..." Discuss with reference to "The Human Phonograph.
4. "There is no immediate threat of a suspension of our basic freedom, as there was then." Comment with reference to India: From Millennium and Beyond.
5. Elucidate on the importance of Ka ktien in Khasi Culture with reference to 'A Waterfall of Horses.'

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

1. "I have brought you a gift, she says." How is the gift relevant to the dying man. Justify the statement in reference to the short story 'The Human Phonograph'
2. Write a note on the Bilati men in the short story "A Waterfall of Horses."
3. "An India that denies itself to some Indians could end up being denied to all Indians" Comment with reference to India: From Midnight to the millennium and Beyond.

SECTION B: Novel

IV.   Answer the following in a word/phrase or a sentence   (1x5=5)

1. What trouble does Hep end up with in the novel?
2. Who is the protagonist in the novel "The Girl from the Nongrim Hills"?
3. How is Kitdor related to the protagonist of the novel?
4. Who is the titular character (the girl) in the novel ?
5. Name the music band in the novel " The girl from Nongrim Hills".

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

1. How is Shillong portrayed in "The Girl from Nongrim Hills"?

2. How does the setting and atmosphere help set the tone of the novel?

3. Elaborate on the various themes in the novel "The Girl from Nongrim Hills"?

SECTION C : Poetry

VI.   **Answer any TWO of the following in about 100-150 words   (2x5=10) each:**

1. Charles Bukowski's headstone is engraved with the simple saying, 'Don't Try.' Comment with reference to the poem "So You Want to be a Writer."

2. What according to the poet is the aftermath of war, justify with reference to the poem "The Orphan Girl"

3. Discuss the theme of the poem "Postcard from Kashmir."

4. Write a note on mythological background to the poem "Ms Militancy" by Meena Kandasamy.

5. Give a brief description of the biblical allusions used in "All Along the Watchtower"

VII.   **Annotate any TWO of the following in about 150-200   (2x5=10) words each:**

1. don't be like so many writers,
   don't be like so many thousands of
   people who call themselves writers,
   don't be dull an...

IX. **Idioms and Phases:**

Choose the appropriate idiom/phrase from the list below to fill in the blanks. **(1x5=5)**

(barking up the wrong tree ,Upset someone's applecart, Leaps and bounds, making a fresh start , Separate the wheat from the chaff , Steer clear of, To hold one's tongue)

1. The prices are going up by _____

2. We must always _____ people who indulge in anti-social activities.

3. After decades of neglect, government schools are finally _____ with much-needed improvements to facilities and teaching methods.

4. The sales team blamed the engineers for the organization's failure to bag the mega deal, but they were _____.

5. The new testing procedure to evaluate employees will _____.

X. **Restaurant Review:** **(1x10=10)**

1. Write a review of your favourite restaurant to be published in the college newsletter.
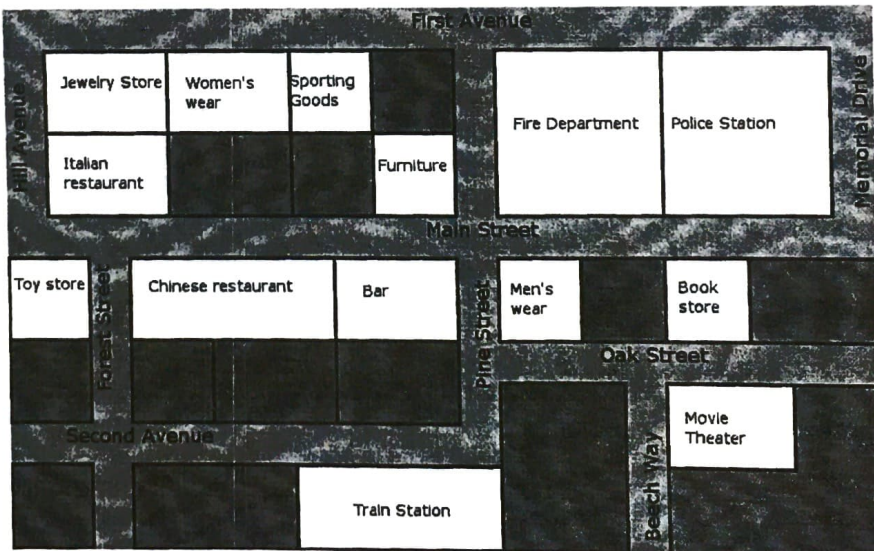
XI. **Advertisement :** **(1x5=5)**

1. 'The Code Studio' is looking for a Web Designer with a 3 year experience. Draft an advertisement for publication in the local newspaper asking the deserving candidate to appear for a walk-in-interview on 12th February 2021 from 9 AM – 2 PM at The Code Studio Office in Lakshmipuran Road, Chennai. Contact Number – 9952854634

XII. **Giving Directions:** **(1x5=5)**

Look at the map of a part of a city given below. Write down directions for a person who wants to go from Beech Way street to the Hill Avenue. Note that on the way the person wants to stop for a few minutes at the Book store and wants to have lunch at the Chinese restaurant.

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St Aloysius College (Autonomous)
Mangaluru
B.A./B.Sc. /B.Com./B.B.A/B.C.A Semester I – Degree Examination
January/February 2021
FRENCH

Time: 3 hrs.   Max Marks: 100

I.   Répondez aux questions   (1x10=10)

1. Dans son roman célèbre de Victor Hugo - 'The Hunchback of Notre Dame', comment s'appelle le personnage principal?
2. Donnez un autre nom donné à la ville de Paris.
3. La tour Eiffel a été construite par qui?
4. Le château de·Versailles a été construit sous le règne de quel roi?
5. Louis XIV est aussi appellé _____
6. Qu'est-ce que Louis Pasteur a découvert?
7. Qui a fondé les Institut Curie à Paris.
8. Nommez deux desserts français.
9. Qu'est-ce qu'une superstition?
10. Quel produit fabrique la marque de Michelin?

II.   Répondez aux questions en 5-6 lignes   (4 x5= 20)
1. Décrivez un des artistes français et ses œuvres.
2. Écrivez de deux sculpteurs célèbres du muse du Louvre.
3. Rédigez un texte à propos de Louis XVI et Marie Antoinette.
4. Énoncez les différents modes de transports en France.
5. Expliquez l'effet de la révolution française sur la science.
6. Expliquez la cuisine française avec deux spécialités régionales.

III.   Répondez aux 2 questions en 10 lignes   (2x10=20)
1. Écrivez de trois marques françaises, ses origines et ses produits.
2. Expliquez les contributions des philosophes français aux idées politiques donnant des exemples
3. Expliquez la cuisine française avec ses spécialités régionales.

IV.   Répondez en utilisant le pronom en ou y.   (1x10=10)
1. Il vient de la piscine?
2. Tu as acheté des légumes?
3. Avez-vous bu de l'eau?
4. Sylvie a habité rue de MG?
5. Tu vas au café?
6. Elle fait un voyage à Venise?
7. Tu vas passer une semaine au Japon?
8. Elle parle toujours de son travail?
9. Voulez-vous manger un chocolat?
10. Il vient de du restaurant ?

V. **M. Dupont est allé chez une voyante pour savoir son avenir. Qu'est-ce qu'elle lui dit?** **(10)**
Rédigez le texte au futur simple en minimum 8-10 lignes.

LA VOYANTE

blog01eso.blogspot.com

VI. **Comparez** **(5)**
1. La Tour Eiffel / Le Louvre
2. les femmes / les hommes
3. la télé / l'internet
4. la cuisine française / la cuisine de mon pays
5. les français / les habitants de mon pays

VII. **Complétez avec le temps convenables** **(5)**
1. Si tu as des mauvaises notes, tu _____ (être) puni !
2. Si le temps _____ (être) mauvais, nous ne sortirons pas.
3. Je _____ (venir) te voir si tu es sage.
4. Demain, il _____ (envoyer) un mél à son ami d'enfance.
5. Son gendre _____(venir) dans cinq minutes.

VIII. **Lettre et CV** **(10)**
Vous cherchez un travail comme photographe dans une enterprise français. Rédigez un CV avec une lettre de demande

IX. **COMPREHENSION** **(10)**

Faire les magasins à Paris n'est pas seulement à faire des achats dans les boutiques de luxe ou les nombreuses boutiques de créateurs. Les petites boutiques, les marchés aux puces coexistent également. On trouve des articles à tous les prix à Paris (cher, bon marché, en promotion, d'occasion). Les Parisiens et les touristes attendent diligemment pour la période de soldes qui commence en été vers les 25, 26 juin et en hiver vers le 8 janvier de chaque année.

Les magasins de Paris ouvrent de 10h à 19h et ils sont fermés le dimanche à l'exception des boutiques du Carrousel du Louvre, de l'avenue des Champs-Elysées, du quartier du Marais ou encore de Sèvres-Babylone.

Il y a des quartiers commerçants populaires à Paris :

À la Rue de Rivoli, vous trouvez des produits des grandes enseignes (habillement, mode) ou les articles de décoration ou de souvenirs (carte postale, magnets pour coller sur le frigo, t-shirt de Paris etc).Au quartier du Louvre-des Tuileries-des Champs-Elysées connu pour être la capitale du luxe et entièrement dédié à la mode et au design vous trouvez les boutiques de grands couturiers (Yves Saint Laurent, Versace, Hermès, Prada...) alors que la rue de la Paix et la Place Vendôme voient une forte concentration des plus grands bijoutiers et joailliers de Paris (Cartier, Mauboussin, Chanel, Van Cleef, Boucheron,...).Au quartier d'Opéra et de Chaussée d'Antin, on trouve des Grands Magasins, le Printemps et les Galeries Lafayette

qui se partagent tout le Boulevard Haussmann, véritable symbole de Paris de la Belle époque

Répondez aux questions.
1. Qu'est-ce que c'est la période de soldes?
2. Où trouve-t-on les articles de décoration ou de souvenirs ?
3. Nommez des quartiers commerçants à Paris,
4. À quelle heure les magasins ouvrent et ferment à Paris ?
5. Qu'est-ce que c'est les marchés aux puces ?

Complétez.
6. Cartier, Chanel et Van Cleef sont les ....français.   (bijouteries/boutiques/articles)
7. J'ai acheté des............pour mes parents   (enseignes/souvenirs/ soldes)
Dites vrai ou faux.
8. On trouve des choses en promotion aussi à Paris.
9. Les boutiques du Carrousel du Louvre ouvrent seulement le dimanche.
10. Ecrivez le synonym de Brièvement dans le texte.

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G 151.1   Reg. No:

St Aloysius College (Autonomous)
Mangaluru
B.A./B.Sc./B.Com./B.B.A./B.C.A Semester I – DegreeExamination

January/February 2021
MALAYALAM

Time: 3 Hours

Max. Marks: 100

I. അഞ്ചു ചോദ്യങ്ങൾക്ക് ഒന്നോ രണ്ടോ വാക്യത്തിൽ   (5x2=10)
   ഉത്തരമെഴുതുക

1. കുചേലന് ഈ പേരുണ്ടാകാൻ കാരണമെന്ത്?

2. ഗുരുവിനെ നീ എന്നു വിളിക്കുന്നത് കൊല്ലുന്നതിനു
   തുല്യമാകുന്നതെങ്ങനെ?

3. കേശവൻ നായർക്കു പശുവിനെ വിൽക്കേണ്ടിവന്നതെന്തുകൊണ്ട്?

4. കുശിനിപ്പണിക്കാരനിൽ ഉണ്ടായ അദ്ഭുതകരമായ മാറ്റങ്ങൾ ഏവ?

5. അന്തർജനത്തെ എല്ലാവരും പൂവൻപഴം എന്നു
   വിളിക്കുന്നതെന്തുകൊണ്ട്?

II. താഴെ ഉദ്ധരിക്കുന്നവയിൽ നാലെണ്ണം ഒരു പേജിൽ കവിയാതെ
    വിശദീകരിക്കുക
                                                    (4x5=20)

6. പ്രാഭവം പൂണ്ടൊരേ പ്രാകൃതൻ കാണുമ്പോൾ

   പ്രാഭൃതം വേണമെന്നുണ്ടൂഞായം

7. കൃഷിക്കാരൻ അതു ചെയ്യുമോ കുട്ടീ? ഞാൻ മുടിഞ്ഞോട്ടെ, എന്നാലും
   ചെയ്യരുതാത്തത് ചെയ്യുകയില്ല.

8. അവരുടെ മകനുണ്ടായിരുന്നുവെങ്കിൽ ഇതൊക്കെ
   അറിയാമായിരുന്നേനെയല്ലോ എന്ന് വിഷാദിക്കയായിരിക്കും ആ അമ്മ

9. പാർട്ടികൾ പലതാണ്. എല്ലാറ്റിലും ഒരേ സമയത്തു മൂക്കൻ എങ്ങനെ
   ചേരും ?

10. സർവനാമങ്ങളുടെ അർഥമൂല്യത്തിന് സംഭവിച്ച അധഃപനത്തിന്
    സാമുദായികമായ കാരണങ്ങളുണ്ട്.

1II. **രണ്ടു പേജിൽ കവിയാതെ മൂന്നെണ്ണത്തിന് ഉത്തരമെഴുതുക**

(3x10=30)

11. വിദ്യാഭ്യാസകാലത്തെ അനുഭവങ്ങൾ ശ്രീകൃഷ്ണൻ കുചേലനുമായി പങ്കുവെയ്ക്കുന്നതെങ്ങനെ?

12. നീ എന്ന സർവനാമത്തിന്റെ പ്രയോഗവൈവിധ്യങ്ങൾ ഏവ?

13. കേശവൻനായരുടെ നിലത്തിന് മട വെച്ച സംഭവം വിവരിക്കുക?

14. അക്ഷരശൂന്യനായ ആ കുശിനിപ്പണിക്കാരൻ ആറു കൊല്ലം കൊണ്ട് ലക്ഷപ്രഭുവായതെങ്ങനെ?

IV. **മൂന്ന് പേജിൽ കവിയാതെ രണ്ടെണ്ണത്തിന് ഉത്തരമെഴുതുക**

(2x15=30)

15. കൃഷ്ണഗാഥയുടെ കാവ്യപരമായ മേന്മ വിശദമാക്കുക?

16. സർവ്വനാമങ്ങളും സംസ്കാരവും തമ്മിലുള്ള ബന്ധമെന്ത്?

17. യാഥാസ്ഥിതികനിയമങ്ങളുടെ തടവറയിലായ അന്തർജനത്തിന്റെ ദയനീയചിത്രം പൂവമ്പഴത്തിൽ എങ്ങനെ ചിത്രീകരിച്ചിരിക്കുന്നു?

V. **വ്യാകരണം**

(5 x2=10)

18. സന്ധി നിർണ്ണയിക്കുക

കണ്ണീർ , അക്കാര്യം

19. സമാസം നിർണ്ണയിക്കുക

മരക്കൊമ്പ് , കരചരണങ്ങൾ

20. **പദങ്ങളിലെ തെറ്റ് തിരുത്തുക**

   i) സായാന്നം , പ്രവർത്തി

   ii) എനിക്ക് പ്രായം പതിനെട്ട് വയസ്സാ

21. വാക്യത്തിൽ പ്രയോഗിക്കുക

കടുംപിടുത്തം , പരിത്യജിക്കുക

22. പൂജകബഹുവചനം എന്നാലെന്ത്?

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St Aloysius College (Autonomous)
Mangaluru
B.C.A. Semester I – Degree Examination
February 2021
PROBLEM SOLVING THROUGH C

Time: 3 hrs.   Max Marks: 100

PART-A

Answer any <u>TEN</u> of the following   (10x2=20)

1. a. List the steps involved in executing a C program.

    b. Identify the valid and invalid variable names from the following list and give reason if invalid.

    2ndplace   (ii) total value   (iii) no@123   (iv) Float

    c. Write the equivalent C expressions for the following-

    $m = x + \frac{y}{z} + w.p$ (ii) $k = (a+b)^2 + 4.a.c$

    d. List various bitwise operators along with their meaning.

    e. Write the output of the following code-

    int x=10, y;

    y= (x= =10 ? 20 : 0);

    printf("x=%d, y=%d", x, y);

    f. Write the result of the following statements-

    a= (int) 21.3/ (int) 4.5;   (ii) x = (int) (4.75 + 2.5);

    g. What is the use of break statement? Give example.

    h. Write the syntax of for loop. Give example.

    i. What is an array? Write the syntax of declaring a one-dimensional array.

    j. Write necessary code to calculate and print the length of string variable **str**-

    char str[ ] ="My College";

    k. Write the scope and lifetime of a global variable.

    l. Differentiate array and structure.

PART-B

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

2. Explain the Basic Structure of C program with suitable diagram.

3. What are constants? Explain integer constants and single character constants with suitable examples.

4. Explain increment and decrement operators with suitable examples.

5. Explain nested if else statement with suitable code example.

6. Write a program to store and print marks in three subjects of a student. Use one-dimensional array to store the marks.

7. Write an explanatory note on Unions.

PART-C

Answer any <u>ONE FULL</u> question from each Unit   (15x4=60)

UNIT-I

8. a) What is a variable? Explain declaration and initialization of a variable with syntax and example.   (5)

    b) Explain logical operators with suitable examples.   (5)

    c) Explain different types of type conversions in C with examples.   (5)

9. a) Explain the usage of backslash character constants along with their meaning.   (4)

    b) How do we define symbolic constants? List the rules to be followed while defining them.   (6)

    c) What are relational operators? Explain them with suitable examples. (5)

UNIT-II

10. a) Explain the formatted input and formatted output functions along with syntax and examples.   (8)

    b) Explain the working of switch statement with its syntax. Write the program code to calculate grade of a student using switch statement.   (7)

11. a) What is a looping statement? Explain the while statement with its syntax and example.   (5)

    b) Explain simple if and if…else statement with syntax and example.   (5)

    c) Write a program to sort N elements in an array.   (5)

UNIT-III

12. a) Explain any three string handling functions along with syntax and examples.   (5)

    b) What is a user defined function? What is the need for user defined function?   (5)

    c) Explain any two categories of user defined functions.   (5)

13. a) What is recursion? Explain with suitable example.   (5)

    b) Explain static and register variables with examples to each.   (5)

    c) Write a program to read a string from keyboard and reverse it without using string handling function.   (5)

UNIT-IV

14. a) What is a structure? Explain definition and declaration of a structure along with syntax and example.   (5)

    b) What is a pointer? Explain how we can declare and initialize a pointer variable. Give syntax and example for both.   (5)

    c) Write the syntax of fopen(). Explain different file opening modes. (5)

15. a) What is a Union? How it is different from structure? Explain.   (5)

    b) Explain the following-

       (i) getc( ) and getw( )   (ii) fprintf( ) and fscanf( )   (iii) fclose( )   (5)

    c) Write a note on: (i) size of a structure   (ii) pointer arithmetic   (5)

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G 602.1

Reg. No. [ ][ ][ ][ ][ ][ ]

St Aloysius College (Autonomous)
Mangaluru
B.C.A. Semester I – Degree Examination
January/February 2021
COMPUTER FUNDAMENTALS AND OFFICE AUTOMATION

Time: 3 hrs.

Max Marks: 100

PART – A

Answer any **TEN** of the following.

(10x2=20)

1. a) Perform 10010-10011 using 2's complement method.

   b) Write the truth table and logic symbols for XOR

   c) Prove that X+1=1.

   d) Mention any two differences between RAM and ROM.

   e) Define operating System. Give two examples.

   f) Define Input device and Output device.

   g) What is half adder? Write its truth table.

   h) Write the general structure of 2 and 3 variable K-Map.

   i) Write the truth table of RS flip flop.

   j) Differentiate between worksheet and Workbook.

   k) Mention any two disadvantages of Magnetic Tapes.

   l) Define Database Management System.

PART – B

Answer any **FOUR** of the following.

(4x5=20)

2. Explain the procedure of obtaining a SOP and POS expression from a truth table.

3. Explain the working of laser printer.

4. Write a note on Optical storage device.

5. Explain any four built-in functions in spreadsheet.

6. What is register? Design a 4 bit shift register.

7. Write the standard SOP equations to the following

   i) $y = ab + \bar{a} b$

   ii) $y = ab + \bar{y} z$

PART – C

Answer any **ONE** FULL question from each unit.

(4x15=60)

UNIT – I

8. a) Convert the following to Binary and Hexadecimal $(225.225)_{10}$ **(5)**

   b) State and Explain the postulates of Boolean Algebra   **(5)**

   c) Explain the following   **(5)**

      i) Write BCD Codes   ii) Alphanumeric Code

9. a) Perform the following conversion   **(5)**

        i) $(45)_{10} = ()_2$

        ii) $(23.12)_8 = ()_{10}$

        iii) $(1001010)_2 = ()_{16}$

   b) Using Boolean theorems and postulates prove the following   **(5)**

        i) $X + \overline{X}Y = X + Y$

        ii) $X\overline{Y}Z + \overline{X}\overline{Y}Z + X\overline{Y} = X\overline{Y} + \overline{X}Z$

   c) Find the complement of the following   **(5)**

        i) $F_1 = P\overline{Q}R + P\overline{Q}R$

        ii) $F_2 = (\overline{A+B})(\overline{A}+\overline{B}+C)$

UNIT – II

10.a) Explain the working of the mouse.   **(5)**

   b) Explain the factors effecting the processor speed.   **(5)**

   c) Explain the Graphical user Interface.   **(5)**

11.a) Explain the working of CRT monitor.   **(5)**

   b) Explain the factors affecting the processing speed.   **(5)**

   c) Write the functions of operating system.   **(5)**

UNIT – III

12.a) Simply the following expression using K-Map

       $F(A,B,C,D) = \Sigma(0,1,2,6,8,9,10)$.   **(5)**

   b) What is Binary Parallel Adder? With block diagram explain the **(5)**
       working of a 4 bit binary parallel adder.

   c) Explain the working of J K Flip Flop.   **(5)**

13. a) Using K-Map Simplify the following expression and draw the logic **(5)**
        circuit for the simplified expression using basic gates

       $F(A,B,C,D) = \Sigma (0,1,2,4,5,6,8,9,12,13)$.

   b) What is Full Adder? Explain its working.   **(5)**

   c) Explain the working of 4 – bit Ripple Counter.   **(5)**

UNIT – IV

14.a) Explain any five characteristics of DBMS.   **(5)**

   b) Explain any five mathematical functions used in spread sheet. **(5)**

   c) Explain the factors for measuring storage device performance. **(5)**

15.a) Explain any five field types in database system.   **(5)**

   b) Explain different types of charts available in spreadsheet.   **(5)**

   c) Explain the storage organization of a magnetic disk.   **(5)**

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G 603.1   Reg. No. ☐☐☐☐☐☐☐

St Aloysius College (Autonomous)
Mangaluru
B.C.A. Semester I – Degree Examination
February 2021
DISCRETE MATHEMATICS

Time: 3 hrs.   Max Marks: 100

PART – A

Answer any <u>TEN</u> of the following.   **(10x2=20)**

1. a) Define null set and subset.

   b) Define partial order relation.

   c) Represent A∩B and A-B using Venn diagram.

   d) Define negation of a statement. Write the negation of ' Mangaluru is not a smart city'

   e) If the function f is defined by $f(x) = x^2+1$ on the set {-2,-1,0,1,2}. Find the range of f.

   f) Define loop with an example.

   g) Determine whether the statement $P^\wedge ᘂP$ is a tautology or a contradiction.

   h) State the terms Reachability and Connectedness.

   i) Define complete binary tree. Give one example.

   j) Define indegree and outdegree of a node in graph.

   k) Write the truth table for conjunction and disjunction.

   l) Draw a graph for directed graph and mixed graph.

PART – B

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

2. Define cartesian product of two sets.

    If A={1}, B={a,b} and C={2,3} then

    Find B^2, B^2xA, AxB and AxBxC

3. Prove that $\sim(P^\wedge Q) \rightarrow (\sim P \vee (\sim P \vee Q)) <=> (\sim P \vee Q)$

4. Draw the truth table for $ᘂ(P^\wedge Q) <=> (ᘂP \vee ᘂQ)$

5. If f:R → R and g:R → R are functions defined by $f(x)=x^2+3x+1$ and $g(x)=2x-3$.

    Find f o g and g o f.

6. Define the binary operation and explain any three properties with example.

7. Explain matrix representation of graphs with suitable example.

PART – C

Answer any <u>ONE</u> FULL question from each unit.   **(4x15=60)**

UNIT – I

8. a) Given the truth values of P and Q as T and those of R and S as F, Find the truth   **(5)**
     values of the following.
     i. $P \wedge (Q \vee R)$ ii. $ᘂP \wedge (Q \vee ᘂR)$

   b) Write the truth table of negation, conditional and biconditional statements.   **(5)**

   c) Construct the truth table for the formula-   **(5)**

       $((P \rightarrow (Q \rightarrow R)) \rightarrow ((P \rightarrow Q) \rightarrow (P \rightarrow R)))$

9. a) Determine whether the following is a tautology, contradiction or neither. (5)

      i) $((\sim Q \wedge P) \wedge Q)$

      ii) $(P \rightarrow (P \vee Q))$

  b) Prove that $(R \rightarrow S) \vee \daleth (R \rightarrow S)$ is a tautology. (5)

  c) Define the following with an example. (5)

      i) Logical Statement   ii) Tautological Statement.

UNIT – II

10. a) $A = \{\alpha, \beta\}$ and $B = \{1, 2, 3\}$ Find $A^2, B^2, A^2 \times B, A \times B$ and $B \times A$. (5)

  b) State and Prove De Morgan's laws for two set A & B. (5)

  c) Let $A = \{1,2,3,4,6,8\}$, $B = \{2,4,5,9\}$ and $C = \{x \mid X \text{ is a positive integer and } x^2 \leq 16\}$ (5)

    Find   i) $AU(B \cap C)$ ii) $(AUB) \cap (AUC)$

11. a) $A = \{1,2,3\}$ $B = \{1,2,5,7,9\}$ then (5)

    Find A-B, B-A, A+B, AUB, A∩B.

  b) Given the relation matrices (5)

$$M_R = \begin{bmatrix} 1 & 0 & 1 \\ 1 & 1 & 0 \\ 1 & 1 & 1 \end{bmatrix} \qquad M_S = \begin{bmatrix} 1 & 0 & 0 & 1 & 0 \\ 1 & 0 & 1 & 0 & 1 \\ 0 & 1 & 0 & 1 & 0 \end{bmatrix}$$

    Find $M_{R \circ S}$, $M_{\tilde{R}}$, $M_{\tilde{S}}$, $M_{R\overline{O}S}$ and show that $M_{R\overline{O}S} = M_{\tilde{S}} \circ M_{\tilde{R}}$.

  c) Define equivalence relation with example. $Let\ X = \{1,2,3,...,7\}$ and (5)

    $R = \{(x,y)/x - y \text{ is divisible by 3}\}$ in X, Show that R is an equivalence relation.

UNIT – III

12. a) Define Surjective and Bijective functions with example (5)

  b) Let f(x)=x+2, g(x)=x-2 and h(x)=3x for x∈R, R is a set of real numbers. (5)

    Find $f \circ g, g \circ g, g \circ f, f \circ (h \circ g)$ and $(f \circ h) \circ g$

  c) Define the following with suitable graphs. (5)

      i) onto mapping

      ii) one-to-one mapping

13. a) Let X={1,2,3} and f,g,h and s be functions from X to X given by (5)

    f ={<1,2>,<2,3>,<3,1>} g={<1,2>,<2,1>,<3,3>}

    h={<1,1>,<2,2>,<3,1>} s={<1,1>,<2,2>,<3,3>}

    Find i) $f \circ g$ ii) $s \circ g$ iii) $s \circ s$ iv) $f \circ s$ v) $f \circ h \circ g$

  b) Define with example, (5)

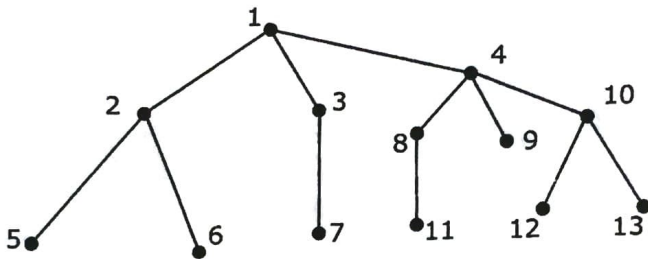   i. Composition of function ii. Inverse of a function

  c) Let g: R x R → R , Where R is the set of integer and g(x,y) = x*y+x+y-2. (5)

    Show that the binary operation * is commutative and associative.

UNIT – IV

14. a) Explain Binary tree with suitable diagram and example. **(5)**

b) Define the following **(5)**

   i) edge   ii) parallel edge   iii) cycle   iv) isolated vertex   v) graph

c) Prove that the number of odd degree vertices in a graph is always even. **(5)**

15. a) Define the following with suitable example. **(5)**

   i) Multigraph

   ii) Mixed graph

b) Define root node, leaf node and edges with suitable examples. **(5)**

c) Convert the following tree to a binary tree. **(5)**

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G 702.1   Reg. No.:

St Aloysius College (Autonomous)
Mangaluru
B.A./B.Sc./B.C.A. Semester I – Degree Examination
February – 2021
FOUNDATION COURSE IN ENVIRONMENTAL SCIENCE AND VALUE EDUCATION

Time: 2 hrs.   Max Marks: 50

PART – A
ENVIRONMENTAL SCIENCE

I.   **Answer any <u>TEN</u> of the following Questions:**   (10x2=20)

1. Define Ecosystem? Who coined the term ecosystem?
    ಪರಿಸರ ವ್ಯವಸ್ಥೆಯನ್ನು ವ್ಯಾಖ್ಯಾನಿಸಿ. ಪರಿಸರ ವ್ಯವಸ್ಥೆ ಎಂಬ ಪದವನ್ನು ಯಾರು ರಚಿಸಿದರು?

2. Explain Trans Himalayas.
    ಟ್ರಾನ್ಸ್ ಹಿಮಾಲಯವನ್ನು ವಿವರಿಸಿ.

3. Mention the values of biodiversity.
    ಜೀವವೈವಿಧ್ಯತೆಯ ಮೌಲ್ಯಗಳನ್ನು ಉಲ್ಲೇಖಿಸಿ.

4. What are natural resources? Classify the natural resources with an example.
    ನೈಸರ್ಗಿಕ ಸಂಪನ್ಮೂಲಗಳು ಯಾವುವು? ನೈಸರ್ಗಿಕ ಸಂಪನ್ಮೂಲಗಳನ್ನು ಉದಾಹರಣೆಯೊಂದಿಗೆ ವರ್ಗೀಕರಿಸಿ.

5. Mention any two environmental movements in India.
    ಭಾರತದಲ್ಲಿ ಯಾವುದೇ ಎರಡು ಪರಿಸರ ಚಳುವಳಿಗಳನ್ನು ಉಲ್ಲೇಖಿಸಿ.

6. Define water shed management.
    ವಾಟರ್ ಶೆಡ್ ನಿರ್ವಹಣೆಯನ್ನು ವ್ಯಾಖ್ಯಾನಿಸಿ.

7. What are coniferous forests?
    ಕೊನಿಫೆರಸ್ ಕಾಡುಗಳು ಯಾವುವು?

8. Define Ex- situ conservation. Give example.
    ಹೊರಗಿನ ಸಂರಕ್ಷಣೆಯನ್ನು ವ್ಯಾಖ್ಯಾನಿಸಿ. ಉದಾಹರಣೆ ನೀಡಿ.

9. Expand CITES.
    CITES ಅನ್ನು ವಿಸ್ತರಿಸಿ.

10. Define Municipal Solid Waste.
    ಪುರಸಭೆಯ ಘನತ್ಯಾಜ್ಯವನ್ನು ವಿವರಿಸಿ.

11. Give any two control measures of air pollution.
    ವಾಯುಮಾಲಿನ್ಯದ ಯಾವುದೇ ಎರಡು ನಿಯಂತ್ರಣ ಕ್ರಮಗಳನ್ನು ನೀಡಿ.

12. What is radioactive pollution?
    ವಿಕಿರಣಶೀಲ ಮಾಲಿನ್ಯ ಎಂದರೇನು?

II. **Answer any <u>ONE</u> of the following questions.**   **(1x5=5)**

13. What are hazardous wastes? Explain the characteristics of hazardous wastes.

    ಅಪಾಯಕಾರಿ ತ್ಯಾಜ್ಯಗಳು ಯಾವುವು? ಅಪಾಯಕಾರಿ ತ್ಯಾಜ್ಯಗಳ ಗುಣಲಕ್ಷಣಗಳನ್ನು ವಿವರಿಸಿ.

14. Write a short note on The Wildlife (Protection) Act, 1972.

    ದಿ ವೈಲ್ಡ್‌ಲೈಫ್ (ಪ್ರೊಟೆಕ್ಷನ್) ಆಕ್ಟ್, 1972 ಕುರಿತು ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ.

III. **Answer any <u>ONE</u> of the following questions.**   **(1x10=10)**

15. What is soil erosion? How soil erosion can be controlled?

    ಮಣ್ಣಿನ ಸವೆತ ಎಂದರೇನು? ಮಣ್ಣಿನ ಸವೆತವನ್ನು ಹೇಗೆ ನಿಯಂತ್ರಿಸಬಹುದು?

16. Describe the different components of environment.

    ಪರಿಸರದ ವಿಭಿನ್ನ ಅಂಶಗಳನ್ನು ವಿವರಿಸಿ.

PART – B

VALUE EDUCATION

I. **Answer any <u>ONE</u> of the following in not less than a page.**   **(1x5=5)**

17. What is emotional intelligence?

    ಭಾವನಾತ್ಮಕ ಬುದ್ಧಿವಂತಿಕೆ ಎಂದರೇನು?

18. Write a note on Ignatian Pedagogical Paradigm.

    ಇಗ್ನೇಷಿಯನ್ ಶಿಕ್ಷಣಶಾಸ್ತ್ರ ಮಾದರಿಯ ಬಗ್ಗೆ ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ.

II. **Answer any <u>ONE</u> of the following in not less than two pages.**   **(1x10=10)**

19. Explain Johari Window.

    ಜೊಹಾರಿ ಕಿಟಕಿಯನ್ನು ವಿವರಿಸಿ.

20. "Good decision making is an essential skill for success in general and an effective leadership skill in particular". Explain.

    "ಒಳ್ಳೆಯ ನಿರ್ಧಾರ ತೆಗೆದುಕೊಳ್ಳುವುದು ಸಾಮಾನ್ಯವಾಗಿ ಯಶಸ್ಸಿಗಾಗಿ ಅಗತ್ಯ ಹಾಗೂ ನಿರ್ದಿಷ್ಟವಾಗಿ ಒಂದು ಪರಿಣಾಮಕಾರಿ ನಾಯಕತ್ವದ ಕೌಶಲ್ಯವೂ ಹೌದು". ವಿವರಿಸಿರಿ.

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