# St Aloysius College (Autonomous) Mangaluru

**B.A. Semester III – Degree Examination**
**February 2021**

**Open Elective (Under CBCS)**

## ENVIRONMENTAL HISTORY OF INDIA

Time: 2 Hours                                                 Max. Marks: 50

**I      Answer any ONE of the following question in 3 pages each.      (20x1=20)**
ಕೆಳಗಿನ ಯಾವುದಾದರೂ ಒಂದು ಪ್ರಶ್ನೆಗೆ 3 ಪುಟದಷ್ಟು ಉತ್ತರಿಸಿ.

1. What do you mean by 'Ecological balance'? What are the factors which affect it?

   'ಪರಿಸರ ಸಮತೋಲನ' ಪದದ ಅರ್ಥ ವಿವರಣೆ ಏನು? ಅದನ್ನು ತೊಂದರೆಗೀಡು ಮಾಡುವ ಅಂಶಗಳಾವುವು?

2. What were the reasons for regulating forests during colonial rule?
   ವಸಾಹಾತು ಶಾಹಿ ಆಳ್ವಿಕೆಯಲ್ಲಿ ಆರಣ್ಯಗಳನ್ನು ನಿಯಂತ್ರಿಸಲು ಕಾರಣಗಳಾವುವು?

3. Write an essay on water pollution in India.
   ಭಾರತದಲ್ಲಿ ಜಲಮಾಲಿನ್ಯದ ಕುರಿತು ಪ್ರಬಂಧವನ್ನು ಬರೆಯಿರಿ.

**II     Answer any THREE questions in 15-20 lines each.           (6x3=18)**
ಕೆಳಗಿನ ಯಾವುದಾದರೂ ಮೂರು ಪ್ರಶ್ನೆಗಳನ್ನು 15–20 ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿ.

1. What are the major waterways of India?
   ಭಾರತದ ಪ್ರಮುಖ ಜಲಮಾರ್ಗಗಳು ಯಾವುವು?

2. Bring out the salient features of Permanent Settlement.

   'ಖಾಯಂಗುತ್ತಿಗೆ' ಪದ್ಧತಿಯ ಪ್ರಮುಖ ಲಕ್ಷಣಗಳಾವುವು?

3. Write a note on displacement of tribals due to construction of major dams.
   ಭಾರತದ ಪ್ರಮುಖ ಆಣೆಕಟ್ಟುಗಳ ನಿರ್ಮಾಣ ಸಂದರ್ಭದಲ್ಲಿ ಆದಿವಾಸಿಗಳನ್ನು ಸ್ಥಳಾಂತರಿಸಿದ ಕುರಿತು ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ.

4. Who started 'Appiko' movement in Karnataka? Review its progress.

   ಕರ್ನಾಟಕದಲ್ಲಿ 'ಅಪ್ಪಿಕೊ' ಚಳುವಳಿಯನ್ನು ಆರಂಭಿಸಿದವರು ಯಾರು? ಅದರ ಪ್ರಗತಿಯನ್ನು ವಿಮರ್ಶಿಸು.

5. Write a short note on 'Solar Energy'.

   'ಸೌರಶಕ್ತಿ' ಯ ಕುರಿತು ಲಘು ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ.

**III    Answer the following questions in 5 sentences each.          (3x4=12)**
ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳನ್ನು 5 ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿ.

1. What do you mean by 'Green Energy'?

   'ಹಸಿರು ಇಂಧನ' ಎಂದರೇನು?

2. What are the reasons for soil degradation?
   ಮಣ್ಣಿನ ಸವೆತಕ್ಕೆ ಪ್ರಮುಖ ಕಾರಣಗಳಾವುವು?

3. What role adivasis play in ecological balance?
   ಪರಿಸರ ಸಮತೋಲನ ಕಾರ್ಯದಲ್ಲಿ ಆದಿವಾಸಿಗಳು ನಿರ್ವಹಿಸುವ ಪಾತ್ರ ಏನು?

4. Write any 5 provisions of 'Kyoto Protocol'.

   'ಕ್ಯೋಟೊ ಕಾರ್ಯಸೂಚಿ' ಯ 5 ಕರಾರುಗಳನ್ನು ಬರೆಯಿರಿ.

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# St Aloysius College (Autonomous) Mangaluru

### B.A. - Semester III– Degree Examination
### February 2021
### Open Elective (Under CBCS)

## INDIAN ECONOMY

Time: 2 hrs.

Max Marks: 50

## SECTION – A

**Answer any SEVEN questions.**

(7x2=14)

ಕೆಳಗಿನ ಯಾವುದಾದರೂ **ಏಳು** ಪ್ರಶ್ನೆಗಳಿಗೆ ಉತ್ತರಿಸಿ

1. What is density of population?

   ಜನಸಾಂದ್ರತೆ ಎಂದರೇನು?

2. What is urbanisation?

   ನಗರೀಕರಣ ಎಂದರೇನು?

3. What are civic amenities?

   ನಾಗರಿಕ ಸೌಲಭ್ಯಗಳು ಎಂದರೇನು?

4. Define poverty.

   ಬಡತನವನ್ನು ನಿರೂಪಿಸಿ.

5. What is infant mortality rate?

   ಶಿಶು ಮರಣ ಪ್ರಮಾಣವೆಂದರೇನು?

6. List any two consequences of ageism.

   ವಯೋಮಾನದ ಯಾವುದಾದರು ಎರಡು ಪರಿಣಾಮಗಳನ್ನು ಪಟ್ಟಿ ಮಾಡಿ.

7. What is inclusive growth?

   ಅಂತರ್ಗತ ಬೆಳವಣಿಗೆ ಎಂದರೇನು?

8. What is micro finance?

   ಸೂಕ್ಷ್ಮ ಹಣಕಾಸು ಎಂದರೇನು?

9. What is NITI ayog?

   ನೀತಿ ಆಯೋಗವೆಂದರೇನು?

## SECTION - B

**Answer any FOUR questions.**

(4x4=16)

ಕೆಳಗಿನ ಯಾವುದಾದರೂ **ನಾಲ್ಕು** ಪ್ರಶ್ನೆಗಳಿಗೆ ಉತ್ತರಿಸಿ.

10. What is the different types migration?

    ವಲಸೆಯ ವಿವಿಧ ವಿಧಗಳಾವುವು?

11. What are the positive and negative effects of rural to urban migration?

ಗ್ರಾಮೀಣ ಪ್ರದೇಶಗಳಿಂದ ನಗರ ಪ್ರದೇಶಗಳಿಗೆ ವಲಸೆಯ ಧನಾತ್ಮಕ ಮತ್ತು ಋಣಾತ್ಮಕ ಪರಿಣಾಮಗಳನ್ನು ವಿವರಿಸಿ.

12. What are the various effects of unemployment?

ನಿರುದ್ಯೋಗದ ವಿವಿಧ ಪರಿಣಾಮಗಳಾವುವು?

13. Write a note on the remedies to reduce infant mortality.

ಶಿಶು ಮರಣ ಪ್ರಮಾಣವನ್ನು ನಿವಾರಿಸಲು ತೆಗೆದುಕೊಳ್ಳಬೇಕಾದ ಪರಿಹಾರಗಳ ಬಗ್ಗೆ ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ.

14. Write a note on the changing structural characteristics of Indian economy.

ಭಾರತದ ಆರ್ಥಿಕತೆಯ ಕ್ಷೇತ್ರೀಯ ಬದಲಾವಣೆಯ ಕುರಿತು ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ.

15. Write a note on panchayat raj system in India

ಭಾರತದ ಪಂಚಾಯತ್ ರಾಜ್ ವ್ಯವಸ್ಥೆಯ ಬಗ್ಗೆ ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ.


## SECTION – C

**Answer any TWO questions.**                                      (2x10=20)

ಕೆಳಗಿನ ಯಾವುದಾದರೂ **ಎರಡು** ಪ್ರಶ್ನೆಗಳಿಗೆ ಉತ್ತರಿಸಿ.

16. Explain the theory of demographic transition.

ಜನಸಂಖ್ಯಾ ಪರಿವರ್ತನೆಯ ಸಿದ್ಧಾಂತವನ್ನು ವಿವರಿಸಿ.

17. Explain the causes of inequalities and measures to reduce it.

ಅಸಮಾನತೆಯ ಕಾರಣಗಳು ಮತ್ತು ಅದನ್ನು ಹೋಗಲಾಡಿಸಲು ತೆಗೆದುಕೊಳ್ಳುವ ಕ್ರಮಗಳನ್ನು ವಿವರಿಸಿ.

18. Explain the major road and railway sector reforms since 1991.

1991 ರಿಂದ ರಸ್ತೆ ಮತ್ತುರೈಲ್ವೆ ಕ್ಷೇತ್ರದಲ್ಲಿನ ಪ್ರಮುಖ ಸುಧಾರಣೆಗಳನ್ನು ವಿವರಿಸಿ.

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Reg. No.:

G 103.3E

# St Aloysius College (Autonomous) Mangaluru

## B.A. - Semester III– Degree Examination
### February 2021
### Open Elective (Under CBCS)
## CONFLICT, PEACE AND RECONCILIATION

Max Marks: 50

Time: 2 hrs.

### SECTION – A

(5x2=10)

Answer any **FIVE** from the following.

1. Explain violence.

   ಹಿಂಸೆಯನ್ನು ವಿವರಿಸಿರಿ.

2. Identify any two general types of violence by giving an example for each.

   ಹಿಂಸೆಯ ಎರಡು ಸಾಮಾನ್ಯ ವಿಧಗಳನ್ನು ಉದಾಹರಣೆ ಸಹಿತ ತಿಳಿಸಿರಿ.

3. What do you mean by armed conflict?

   ಸಶಸ್ತ್ರ ಸಂಘರ್ಷ ಎಂದರೇನು?

4. Define gender.

   'ಸಾಮಾಜಿಕ ಲಿಂಗ' ಇದನ್ನು ವ್ಯಾಖ್ಯಾನಿಸಿರಿ.

5. Define ethnicity.

   ಜನಾಂಗೀಯತೆಯನ್ನು ವ್ಯಾಖ್ಯಾನಿಸಿರಿ.

6. Describe satyagraha.

   ಸತ್ಯಾಗ್ರಹವನ್ನು ವಿವರಿಸಿರಿ.

7. Define mediation.

   'ಮಧ್ಯಸ್ಥಿಕೆ' ಇದನ್ನು ವ್ಯಾಖ್ಯಾನಿಸಿರಿ.

### SECTION - B

(4x5=20)

Answer any **FOUR** from the following.

8. Explain the different areas in which women face conflict.

   ಮಹಿಳೆಯರು ಎದುರಿಸುವ ಸಂಘರ್ಷದ ವಿವಿಧ ಆಯಾಮಗಳನ್ನು ವಿವರಿಸಿರಿ.

9. Examine ethnic cleansing as cultural conflict.

   ಜನಾಂಗೀಯ ಶುದ್ಧೀಕರಣದಲ್ಲಿ ಸಾಂಸ್ಕೃತಿಕ ಸಂಘರ್ಷವನ್ನು ವಿವರಿಸಿರಿ.

10. List the difference between negative and positive peace.

    ಸಕಾರಾತ್ಮಕ ಮತ್ತು ನಕಾರಾತ್ಮಕ ಶಾಂತಿಯ ವಿವಿಧ ವ್ಯತ್ಯಾಸಗಳನ್ನು ಪಟ್ಟಿ ಮಾಡಿ.

11. Explain any four steps to peace according to Dr Martin Luther King.

    ಡಾ.ಮಾರ್ಟಿನ್ ಲೂತರ್ ಕಿಂಗ್‌ರವರ ಯಾವುದಾದರೂ ನಾಲ್ಕು ಶಾಂತಿಯ ಹಂತಗಳನ್ನು ವಿವರಿಸಿರಿ.

12. Examine the correlation between structural and cultural violence.

    ರಚನಾತ್ಮಕ ಮತ್ತು ಸಾಂಸ್ಕೃತಿಕ ಹಿಂಸೆಯ ನಡುವಿನ ಪರಸ್ಪರ ಸಂಬಂಧವನ್ನು ತಿಳಿಸಿರಿ.

13. Discuss the functions of conflict.

    ಸಂಘರ್ಷದ ಕಾರ್ಯಗಳನ್ನು ಚರ್ಚಿಸಿ ಬರೆಯಿರಿ.

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## SECTION – C

**Answer any TWO from the following.**                    (2x10=20)

14. By applying its nature, analyze the importance of conflict.

ಸಂಘರ್ಷದ ಸ್ವರೂಪವನ್ನು ಅನ್ವಯಿಸುವ ಮೂಲಕ ಅದರ ಮಹತ್ವವನ್ನು ವಿಶ್ಲೇಷಿಸಿ ಬರೆಯಿರಿ.

15. Examine the role and status of women in armed conflict.

ಸಶಸ್ತ್ರ ಸಂಘರ್ಷದಲ್ಲಿ ಮಹಿಳೆಯರ ಪಾತ್ರ ಮತ್ತು ಅಂತಸ್ತಿನ ಬಗ್ಗೆ ವಿಶ್ಲೇಷಿಸಿ ಬರೆಯಿರಿ.

16. Examine the Gandhian approach of satyagraha in resolving conflict.

ಸಂಘರ್ಷವನ್ನು ಪರಿಹರಿಸುವಲ್ಲಿ ಸತ್ಯಾಗ್ರಹದ ಗಾಂಧಿ ವಿಧಾನವನ್ನು ವಿಶ್ಲೇಷಿಸಿ ಬರೆಯಿರಿ.

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Reg. No: ☐☐☐☐☐☐

## St Aloysius College (Autonomous) Mangaluru
### B.A. Semester III – Degree Examination
### February 2021
### Open Elective (Under CBCS)

# INDIAN SOCIETY

**Time: 2 Hours**                                    **Max. Marks: 50**

**I**    **Answer any FIVE questions in 2-3 sentences each.**    (2x5=10)
ಕೆಳಗಿನ ಯಾವುದಾದರೂ ಐದು ಪ್ರಶ್ನೆಗಳಿಗೆ 2 –3 ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿರಿ.

1. Which state of India has the highest literacy rate?
   ಭಾರತದ ಯಾವ ರಾಜ್ಯವು ಅತ್ಯಂತ ಹೆಚ್ಚು ಸಾಕ್ಷರತೆಯನ್ನು ಹೊಂದಿದೆ?

2. When and by whom was Sikhism founded in India?
   ಯಾವಾಗ ಮತ್ತು ಯಾರಿಂದ ಸಿಖ್ ಧರ್ಮವು ಭಾರತದಲ್ಲಿ ಸ್ಥಾಪನೆಯಾಯಿತು?

3. State the aims of Christian marriage.
   ಕ್ರಿಶ್ಚಿಯನ್ ವಿವಾಹದ ಗುರಿಗಳನ್ನು ತಿಳಿಸಿರಿ.

4. What is meant by kinship?
   ಬಂಧುತ್ವ ಎಂದರೇನು?

5. What is the role of Kartha in a joint family?
   ಅವಿಭಕ್ತ ಕುಟುಂಬದಲ್ಲಿ ಕರ್ತನ ಪಾತ್ರವೇನು?

6. Who is a Karnavan?
   ಕರ್ಣವನ್ ಎಂದರೆ ಯಾರು?

7. What is meant by national identity?
   ರಾಷ್ಟ್ರೀಯ ಗುರುತು ಎಂದರೇನು?

8. Mention any two causes of regionalism.
   ಪ್ರಾದೇಶಿಕತೆಯ ಯಾವುದಾದರೂ ಎರಡು ಕಾರಣಗಳನ್ನು ಉಲ್ಲೇಖಿಸಿರಿ.

**II**    **Answer any FOUR questions in 8-10 sentences each.**    (5x4=20)
ಕೆಳಗಿನ ಯಾವುದಾದರೂ ನಾಲ್ಕು ಪ್ರಶ್ನೆಗಳಿಗೆ 8-10 ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿರಿ.

1. Explain any five characteristics of Indian Society.
   ಭಾರತೀಯ ಸಮಾಜದ ಯಾವುದಾದರೂ ಐದು ಗುಣಲಕ್ಷಣಗಳನ್ನು ವಿವರಿಸಿರಿ.

2. Discuss the four families of Indian languages.
   ಭಾರತೀಯ ಭಾಷೆಗಳ ನಾಲ್ಕು ಕುಟುಂಬಗಳನ್ನು ಚರ್ಚಿಸಿರಿ.

3. Discuss the religious unity of India.
   ಭಾರತದಲ್ಲಿನ ಧಾರ್ಮಿಕ ಏಕತೆಯನ್ನು ಚರ್ಚಿಸಿರಿ.

4. Describe a valid Muslim marriage.
   ಮಾನ್ಯ ಮುಸ್ಲಿಂ ವಿವಾಹವನ್ನು ವಿವರಿಸಿರಿ.

5. Explain matriarchal family.

   ಮಾತೃ ಪ್ರಧಾನ ಕುಟುಂಬವನ್ನು ವಿವರಿಸಿರಿ.

6. Examine the consequences of casteism.

   ಜಾತಿವಾದದ ಪರಿಣಾಮಗಳನ್ನು ಪರಿಶೀಲಿಸಿರಿ.

**III     Answer any <u>TWO</u> questions in 15-20 sentences each.          (10x2=20)**

ಕೆಳಗಿನ ಯಾವುದಾದರೂ <u>ಎರಡು</u> ಪ್ರಶ್ನೆಗಳಿಗೆ 15–20 ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿರಿ.

1. Describe the racial classification by B.S. Guha.

   ಬಿ.ಎಸ್.ಗುಹಾರವರ ಜನಾಂಗೀಯ ವರ್ಗೀಕರಣವನ್ನು ವಿವರಿಸಿರಿ.

2. Examine kinship usages.

   ಬಂದುತ್ವದ ಪದ ಬಳಕೆಗಳನ್ನು ಪರಿಶೀಲಿಸಿರಿ.

3. Describe recent changes in the family system.

   ಕುಟುಂಬ ವ್ಯವಸ್ಥೆಯಲ್ಲಿನ ಇತ್ತೀಚಿನ ಬದಲಾವಣೆಗಳನ್ನು ವಿವರಿಸಿರಿ.

4. Discuss the characteristics of secularization.

   ಜಾತ್ಯಾತೀತತೆಯ ಗುಣಲಕ್ಷಣಗಳನ್ನು ಚರ್ಚಿಸಿರಿ.

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## St Aloysius College (Autonomous)
## Mangaluru
### B.A Semester III– Degree Examination
### ]February 2021
### Open Elective (under CBCS)
### Folk Media communication

Time: 2 Hours                                    Max. Marks: 50

### PART – A

**Answer the following in 2-3 sentences each**          (2x10=20)

ಕೆಳಕಂಡ ಪ್ರಶ್ನೆಗಳಿಗೆ 2-3 ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿ.

1.  Tamasha

    ತಮಾಶಾ

2.  Nautanki

    ನೌತಂಕಿ

3.  Mass culture

    ಸಮೂಹ ಸಂಸ್ಕೃತಿ

4.  Ramleela/Rasleela

    ರಾಮ್ ಲೀಲಾ/ರಾಸ್ ಲೀಲಾ

5.  'Art' as symbol of culture. Explain.

    ಸಂಸ್ಕೃತಿಯ ಸಂಕೇತವಾಗಿ 'ಕಲೆ' ವಿವರಿಸಿ.

6.  Shadow Puppetry

    ನೆರಳು ಕೈಗೊಂಬೆ

7.  Cross Cultural Communication

    ಅಂತರ್ ಸಂಸ್ಕೃತಿ ಸಂವಹನ

8.  Importance of documentation

    ದಾಖಾಲಾತಿಯ ಮಹತ್ವ

9.  ICCR

    ಐಸಿಸಿಆರ್

10. Yakshagana

    ಯಕ್ಷಗಾನ

### PART- B

**Write a short note on any <u>Six</u> of the following**          (5x6=30)

ಕೆಳಕಂಡ  ಯಾವುದಾದರೂ <u>ಆರು</u> ಪ್ರಶ್ನೆಗಳಿಗೆ ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ.

1.  How folk forms are integrated with modern media as cultural indexes? Give examples.

    ಜಾನಪದ ರೂಪಗಳನ್ನು ಆಧುನಿಕ ಮಾಧ್ಯಮಗಳೊಂದಿಗೆ ಸಾಂಸ್ಕೃತಿಕ ಸೂಚ್ಯಂಕಗಳಾಗಿ ಹೇಗೆ ಸಂಯೋಜಿಸಲಾಗಿದೆ? ಉದಾಹರಣೆಗಳನ್ನು ನೀಡಿ.

2.  Write a note on the Government initiatives in promoting folk media in India.

    ಭಾರತದಲ್ಲಿ ಜಾನಪದ ಮಾಧ್ಯಮವನ್ನು ಉತ್ತೇಜಿಸುವಲ್ಲಿ ಸರ್ಕಾರದ ಕ್ರಮಗಳ ಬಗ್ಗೆ ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ.

3.  What is archiving? What is the significance of archiving cultural forms?

    ದಾಖಲೆ ಕೋಶ ಎಂದರೇನು? ಸಾಂಸ್ಕೃತಿಕ ರೂಪಗಳನ್ನು ಸಂಗ್ರಹಿಸುವುದರ ಮಹತ್ವವೇನು?

4.  Write a comparative study between any two folk performances from India. Highlight their similarities and differences.

    ಭಾರತದ ಯಾವುದೇ ಎರಡು ಜಾನಪದ ಪ್ರದರ್ಶನಗಳ ನಡುವೆ ತುಲಾನಾತ್ಮಕ ಅಧ್ಯಯನವನ್ನು ಬರೆಯಿರಿ ಮತ್ತು ಅವುಗಳ ಹೋಲಿಕೆಗಳು ಮತ್ತು ವ್ಯತ್ಯಾಸಗಳನ್ನು ವಿವರಿಸಿ.

5.  'Folk media for entertainment, education and awareness' Discuss.

    'ಮನರಂಜನೆ, ಶಿಕ್ಷಣ ಮತ್ತು ಜಾಗೃತಿಗಾಗಿ ಜಾನಪದ ಮಾಧ್ಯಮ' ಚರ್ಚಿಸಿ.

6.  India Cinema had strong influence from folk arts. Explain with examples.

    ಭಾರತದ ಸಿನೆಮಾದ ಮೇಲೆ ಜಾನಪದ ಪ್ರಭಾವ ದಟ್ಟವಾಗಿದೆ. ಉದಾಹರಣೆಗಳೊಂದಿಗೆ ವಿವರಿಸಿ.

7.  Write about any two ritual art forms of India.

    ಭಾರತದ ಯಾವುದಾದರೂ ಎರಡು ಧಾರ್ಮಿಕ ಕಲಾ ಪ್ರಕಾರಗಳ ಬಗ್ಗೆ ಬರೆಯಿರಿ.

8.  Briefly explain the role of modern media in promoting and propagating traditional media.

    ಸಾಂಪ್ರದಾಯಿಕ ಮಾಧ್ಯಮವನ್ನು ಉತ್ತೇಜಿಸುವಲ್ಲಿ ಮತ್ತು ಪ್ರಚಾರ ಮಾಡುವಲ್ಲಿ ಆಧುನಿಕ ಮಾಧ್ಯಮದ ಪಾತ್ರವನ್ನು ಸಂಕ್ಷಿಪ್ತವಾಗಿ ವಿವರಿಸಿ.

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# St Aloysius College (Autonomous)
## Mangaluru
### B.A. Semester III– Degree Examination
#### February 2021
#### Open Elective (Under CBCS)
### BEHAVIOUR IN THE SOCIAL CONTEXT

Time: 2 hrs.                                          Max Marks: 50

## PART – A

**I   Answer any FIVE from the following.**                  (5x2=10)

1. What are social norms? Give an example.
2. What is the bystander effect?
3. What is internal attribution?
4. What is the difference between conformity and obedience?
5. Define social influence.
6. Differentiate between injunctive and descriptive norms.

**II   Answer any FOUR from the following.**                  (4x5=20)

1. Define prosocial behavior. Explain the five steps involved in helping others.
2. Write a note on destructive obedience.
3. Differentiate between stereotype, prejudice, and discrimination.
4. Explain the errors in attribution.
5. What are external sources of attraction?

## PART – B

**III   Answer any TWO from the following.**                  (2x10=20)

6. Define attribution. Elaborate on any two theories of attribution.

### OR

7. Explain in detail how prejudice can be learnt.

### OR

8. Write a note on conformity.

**\*\*\*\*\*\*\*\*\*\***

# St Aloysius College (Autonomous)
# Mangaluru
### B.A./B.Sc./ B.C.A. Semester III– Degree Examination
### January/February 2021
### Open Elective (Under CBCS)
### GRAPHIC DESIGN

Time: 2 hrs.                                          Max Marks: 50

## SECTION – A

1.    **Answer any FIVE from the following.**                    (5x2=10)

   a.  What is the use of cusp?

   b.  How to give multi-color for Coreldraw objects?

   c.  What is weld and trim?

   d.  What is the color mode of Photoshop & CorelDraw?

   e.  Name different types of screening modes in Photoshop.

   f.  What is the use of red eye tool?

   g.  What is feather effect?

## SECTION – B

   **Answer any FOUR from the following.**                      (4x5=20)

2.  Write a note on RGB, CYMK and HSB color modes.

3.  What is Graphic design?

4.  Write a note on coreldraw fountain fill.

5.  What are the features of Photoshop?

6.  Design Photoshop layout and name different bars.

## SECTION – C

   **Answer any TWO from the following.**                       (2x10=20)

7.  What is the difference between vector and bitmap graphics?

8.  Explain Photoshop layer menu options.

9.  Explain the methods of creating GIF Animation

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**(2019 Batch onwards)**

Reg. No:

# St Aloysius College (Autonomous)

# Mangaluru

### B.A. Semester III – Degree Examination

### February 2021

### Open Elective (Under CBCS)

## SOCIAL DEVELOPMENT AND SUSTAINABLE DEVELOPMENT

Time: 2 Hours
Max. Marks: 50

### PART A

**I   Answer any FIVE questions in 2-3 sentences each.**          (2x5=10)

ಕೆಳಗಿನ ಯಾವುದಾದರೂ ಐದು ಪ್ರಶ್ನೆಗಳಿಗೆ 2 –3 ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿರಿ.

1. Define Development.

   ಅಭಿವೃದ್ಧಿಯನ್ನು ವ್ಯಾಖ್ಯಾನಿಸಿ.

2. What is meant by Social Development?

   ಸಾಮಾಜಿಕ ಅಭಿವೃದ್ಧಿ ಎಂದರೇನು?

3. Mention any two main Concepts of Sustainable Development.

   ಸುಸ್ಥಿರ ಅಭಿವೃದ್ಧಿಯ ಯಾವುದಾದರೂ ಎರಡು ಪ್ರಮುಖ ಪರಿಕಲ್ಪನೆಗಳನ್ನು ನಮೂದಿಸಿ.

4. What is meant by Underdeveloped Economy?

   ಅಭಿವೃದ್ಧಿ ಹೊಂದದ ಆರ್ಥಿಕತೆ ಎಂದರೇನು?

5. What is the main focus of Big Push Strategy?

   ಬೃಹತ್ ತಳ್ಳುವಿಕೆ ತಂತ್ರದ ಪ್ರಮುಖ ಗಮನವೇನು?

6. Expand UNDP and HDI.

   ಯು.ಎನ್.ಡಿ.ಪಿ ಹಾಗೂ ಎಚ್.ಡಿ.ಐಯನ್ನು ವಿಸ್ತರಿಸಿ.

7. What is the Global Goal for Sustainable Development?

   ಸುಸ್ಥಿರ ಅಭಿವೃದ್ಧಿಯಲ್ಲಿ ಜಾಗತಿಕ ಗುರಿ ಎಂದರೇನು?

### PART B

**II   Answer any FOUR questions in 8-10 sentences each.**          (5x4=20)

ಕೆಳಗಿನ ಯಾವುದಾದರೂ ನಾಲ್ಕು ಪ್ರಶ್ನೆಗಳಿಗೆ 8-10 ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿರಿ.

1. What is the Religious Concept of Charity Model of Development?

   ಅಭಿವೃದ್ಧಿಯ ದಾನಮಾದರಿಯ ಧಾರ್ಮಿಕ ಪರಿಕಲ್ಪನೆ ಎಂದರೇನು?

2. Analyse various factors influencing Social Development.

   ಸಾಮಾಜಿಕ ಅಭಿವೃದ್ಧಿಗೆ ಪ್ರಭಾವ ಬೀರುವ ವಿವಿಧ ಅಂಶಗಳ ಕುರಿತು ವಿಶ್ಲೇಷಿಸಿ.

3. What do you mean by Sustainable Development? and mention its Objectives.

   ಸುಸ್ಥಿರ ಅಭಿವೃದ್ಧಿ ಎಂದರೇನು? ಹಾಗೂ ಆದರ ಉದ್ದೇಶಗಳನ್ನು ನಮೂದಿಸಿ.

4. Distinguish between Developed and Developing Economy.

   ಅಭಿವೃದ್ಧಿ ಹೊಂದಿದ ಹಾಗೂ ಅಭಿವೃದ್ಧಿ ಹೊಂದುತಿರುವ ಆರ್ಥಿಕತೆಯ ಪ್ರತ್ಯೇಕಿಸಿ.

5. Briefly discuss the Strategies of Social Development.

   ಸಾಮಾಜಿಕ ಅಭಿವೃದ್ಧಿಯ ತಂತ್ರಗಳನ್ನು ಸಂಕ್ಷಿಪ್ತವಾಗಿ ಚರ್ಚಿಸಿ.

6. What are the Social Components of Sustainable Development?

   ಸುಸ್ಥಿರ ಅಭಿವೃದ್ಧಿಯ ಸಾಮಾಜಿಕ ಘಟಕಗಳಾವುವು?

## PART C

**III   Answer any TWO questions in 15-20 sentences each.          (10x2=20)**

ಕೆಳಗಿನ ಯಾವುದಾದರೂ ಎರಡು ಪ್ರಶ್ನೆಗಳಿಗೆ 15–20 ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿರಿ.

1. What is the role of Social Work in the process of Development?

   ಅಭಿವೃದ್ಧಿಯ ಪ್ರಕ್ರಿಯೆಯಲ್ಲಿ ಸಮಾಜಕಾರ್ಯದ ಪಾತ್ರವೇನು?

2. Explain the Social Models of Development.

   ಅಭಿವೃದ್ಧಿಯಲ್ಲಿ ಸಾಮಾಜಿಕ ಮಾದರಿಯನ್ನು ವಿವರಿಸಿ.

3. What are the various Ecological and Environmental challenges confronting India today?

   ಇಂದಿನ ಭಾರತದಲ್ಲಿ ಪ್ರಕೃತಿ ಹಾಗೂ ಪರಿಸರಕ್ಕೆ ಎದುರಿಸುವ ವಿವಿಧ ಸವಾಲುಗಳು ಯಾವುವು?

4. Explain the key Concepts of Development.

   ಅಭಿವೃದ್ಧಿಯ ಪ್ರಮುಖ ಪರಿಕಲ್ಪನೆಗಳನ್ನು ವಿವರಿಸಿ.

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# St Aloysius College (Autonomous) Mangaluru
### BA Semester II Degree Examination
### February 2021
### Open Elective (Under CBCS)

## PHONETICS IN ENGLISH LANGUAGE

Time: 2 hrs.                                                    Max Marks: 50

## UNIT – I

**I.A. Answer the following questions in at least two sentences each:** (5x2=10)

1. What is Acoustic Phonetics? Explain.
2. Explain the role of lips in the production of sound.
3. What are Biliabial sounds? Explain.
4. Explain 'egressive and ingressive plumonic airstream'.
5. What are Trills? Explain.

**B. Answer any FOUR of the following in about 100-150 words each:** (4x5=20)

1. What are Laterals? Explain.
2. Write a short note on the lungs.
3. What are Nasals? Explain.
4. Which are the four stages of glottis? Explain.
5. What are Phonemes? Explain.

## UNIT – II

**II.A. Transcribe the following words from normal orthography to IPA:** (10 x ½ = 5)

| | | | | |
|---|---|---|---|---|
| a) | Putting | | f) | Kick |
| b) | Guard | | g) | Colour |
| c) | Racing | | h) | Guitar |
| d) | Washing | | i) | Music |
| e) | Beggar | | j) | Sell |

**B. Write the following words in normal orthography :** (10 x ½ =5)

| | | | | |
|---|---|---|---|---|
| a) | /ˈtreʒə(r)/ | | f) | /hɔː(r)s/ |
| b) | /biːtʃ/ | | g) | /kəmˈpjuːtə(r)/ |
| c) | /ˈdɪkʃən(ə)ri/ | | h) | /ˈkælɪndə(r)/ |
| d) | /ˈmeɪdʒə(r)/ | | i) | /ˈpens(ə)l/ |
| e) | /ˈbʌtə(r)ˌflaɪ/ | | j) | /kwɪz/ |

## UNIT – III

**III.A Mention the eight Diphthongs with examples for each one of them.**

(1x5=5)

**B. Describe the following consonant sounds using three-term labels:**

(5x1=5)

1. /w/
2. /l/
3. /k/
4. /z/
5. /s/

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ಸಂತ ಅಲೋಶಿಯಸ್ ಕಾಲೇಜು (ಸ್ವಾಯತ್ತ)

ಮಂಗಳೂರು

ಬಿ.ಎ – ಮೂರನೆಯ ಚತುರ್ಮಾಸ ಅಂತಿಮ ಪರೀಕ್ಷೆ

ಜನವರಿ/ಫೆಬ್ರವರಿ - ೨೦೨೧

ಆಯ್ಕೆ ಆಧಾರಿತ ಮೌಲ್ಯಂಕ ಪದ್ಧತಿ

ತೆನೆ – 3

ಸಮಯ : 2 ಗಂಟೆ                                                              ಗರಿಷ್ಠ ಅಂಕ: 50

**I**   ಕೆಳಗಿನ <u>ಒಂದು</u> ಪ್ರಶ್ನೆಗೆ ವಿವರಣಾತ್ಮಕವಾಗಿ ಉತ್ತರಿಸಿ            **(12x1=12)**

1.   ನಡುಗನ್ನಡ ಸಾಹಿತ್ಯ ಪ್ರಕಾರಗಳನ್ನು ಪರಿಚಯಿಸಿ

2.   ಅನುವಾದ ಸಾಹಿತ್ಯವು ಕನ್ನಡ ಸಾಹಿತ್ಯವನ್ನು ಹೇಗೆ ಶ್ರೀಮಂತಗೊಳಿಸಿದೆ? ವಿವರಿಸಿ

**II**  ಕೆಳಗಿನ <u>ಎರಡು</u> ಪ್ರಶ್ನೆಗಳಿಗೆ ಸಂಕ್ಷಿಪ್ತವಾಗಿ ಉತ್ತರಿಸಿ            **(6x2=12)**

3.   ಕನ್ನಡ ಭಾಷೆಯ ಪ್ರಾಚೀನ ಶಾಸನಗಳಾವುವು?

4.   ಷಟ್ಪದಿ ಸಾಹಿತ್ಯದ ಲಕ್ಷಣಗಳಾವುವು?

5.   ಹಲ್ಮಿಡಿ ಶಾಸನವನ್ನು ವಿವರಿಸಿರಿ

**III** ಕೆಳಗಿನವುಗಳಲ್ಲಿ <u>ಎರಡನ್ನು</u> ಟಿಪ್ಪಣಿ ರೂಪದಲ್ಲಿ ಉತ್ತರಿಸಿ        **(5x2=10)**

6.   ಪಂಪ

7.   ಪಂಜೆ ಮಂಗೇಶರಾಯರು

8.   ಕನ್ನಡ ಅಕ್ಷರ ಮಾಲೆ

9.   ಬಸವಣ್ಣ

**IV** ಕೆಳಗಿನ ಎಲ್ಲಾ ಪ್ರಶ್ನೆಗಳಿಗೆ ನೀಡಿರುವ ಉತ್ತರಗಳಿಂದ ಆಯ್ದು ಬರೆಯಿರಿ      **(1x5=5)**

10.  ಶಬ್ದಮಣಿದರ್ಪಣ ಕೃತಿಯ ಕರ್ತೃ------ [ಕೇಶೀರಾಜ, ಭೋಜರಾಜ, ಕುಮಾರವ್ಯಾಸ]

11.  ಹಲ್ಮಿಡಿ ಶಾಸನದ ಕಾಲ – [ಕ್ರಿ.ಶ. 450   ಕ್ರಿ.ಶ. 350   ಕ್ರಿ.ಶ. 550]

12.  ಕನ್ನಡ ಅಕ್ಷರ ಮಾಲೆಯಲ್ಲಿರುವ ಒಟ್ಟು ಸ್ವರಗಳು ಎಷ್ಟು--- [13, 14, 15]

13.  ರಾಘವಾಂಕನ ಕೃತಿಯ ಹೆಸರು -------- [ಹರಿಶ್ಚಂದ್ರಕಾವ್ಯ, ಹರಿಹರ ಮಹಾತ್ಮೆ, ಪ್ರಭುಲಿಂಗಲೀಲೆ]

14.  ಕನ್ನಡದ ಮೊದಲ ರಾಷ್ಟ್ರಕವಿ----- [ಕುವೆಂಪು, ಬೇಂದ್ರೆ, ಎಂ.ಗೋವಿಂದ ಪೈ]

**V**  ಕೆಳಗಿನ ಪ್ಯಾರಾಗ್ರಾಫ್ ಓದಿ ನೀಡಿರುವ ಪ್ರಶ್ನೆಗಳಿಗೆ ಉತ್ತರಿಸಿ          **(2x3=6)**

ಒಂದು ಭಾಷೆ ವಿಸ್ತಾರ ಪ್ರದೇಶದಲ್ಲಿ ಹಬ್ಬಿ ಅಲ್ಲಿ ಅನಿವಾರ್ಯವಾಗಿ ಉಪಭಾಷೆಗಳು ಏರ್ಪಡುತ್ತವೆ. ಆ ಪ್ರದೇಶದ ಬೇರೆ ಬೇರೆ ಭಾಗಗಳು ಪರ್ವತ, ನದಿ, ದಟ್ಟವಾದ ಕಾಡು ಅಥವಾ ಜೌಗು ಭೂಮಿ ಇತ್ಯಾದಿ ಪ್ರಾಕೃತಿಕ ಕಾರಣಗಳಿಂದ ವಿಭಾಗಗೊಂಡಿದ್ದರೆ, ಆಯಾ ವಿಭಾಗಗಳಲ್ಲಿ ವಾಸಿಸುವ ಜನರಿಗೆ ಇತರೆಡೆಯ ವಿಭಾಗಗಳಲ್ಲಿನ ಜನರ ಸಂಪರ್ಕ ತಪ್ಪುತ್ತದೆ. ಆದರ ಫಲವಾಗಿ ಭಾಷೆಯಲ್ಲಿ ವೈಲಕ್ಷಣ್ಯಗಳು ಹೆಚ್ಚುತ್ತಾ ಹೋಗಿ, ಉಪ ಭಾಷೆಯಲ್ಲಿನ ಪ್ರತ್ಯೇಕತೆ ಕಡಿಮೆಯಾಗುತ್ತ ಹೋಗುತ್ತದೆ. ಒಂದು ಪ್ರದೇಶ ಬೇರೆ ಬೇರೆ ಆಡಳಿತಗಳಿಗೆ ಸೇರಿದ್ದರೆ, ಆಗಲೂ ಆಯಾ ಆಡಳಿತ ಪ್ರದೇಶಗಳಲ್ಲಿ ಪ್ರತ್ಯೇಕ ಉಪಭಾಷೆಗಳಾಗುತ್ತದೆ. ಸುತ್ತ ಮುತ್ತಣ ಬೇರೆ ಬೇರೆ ಭಾಷೆಗಳ ಪ್ರಭಾವದಿಂದ ಉಪಭಾಷೆಗಳು ಏರ್ಪಡುತ್ತದೆ. ಈ ಯಾವುದೇ ಕಾರಣಗಳಿಲ್ಲದೇ ಹೋದರೂ ವಿಸ್ತಾರ ಪ್ರದೇಶದಲ್ಲಿ ಬೇರೆ ಬೇರೆ ಭಾಗದ ಜನ ತಮ್ಮ ತಮ್ಮಲ್ಲೇ ಹೆಚ್ಚಾಗಿ ವ್ಯವಹಾರಗಳನ್ನು ನಡೆಸುವುದರಿಂದ ಆಲ್ಲೂ ಉಪಭಾಷೆಗಳು ಏರ್ಪಡುತ್ತದೆ. ಒಂದು ಭಾಷೆಯಲ್ಲಿ ಉಪಭಾಷೆಗಳು ಏರ್ಪಟ್ಟು, ಆ ಉಪಭಾಷೆಗಳ ಜನರಲ್ಲಿ ವ್ಯವಹಾರ ಕಡಿಮೆಯಾದಷ್ಟೂ ಅವುಗಳಲ್ಲಿರುವ ಸಮಾನ ಅಂಶಗಳು ಕಡಿಮೆಯಾಗಿ ಭಿನ್ನತೆ ಹೆಚ್ಚಿ, ಇದೇ ಬಹಳ ಕಾಲ ಮುಂದುವರಿದರೆ ಕ್ರಮೇಣ ಆ ಉಪಭಾಷೆಗಳೇ ಸ್ವತಂತ್ರ ಭಾಷೆಗಳಾಗುತ್ತವೆ.

15.  ಉಪಭಾಷೆ ಎಂದರೇನು?

16.  ಉಪಭಾಷೆಯೊಂದು ಹೇಗೆ ಸ್ವತಂತ್ರ ಭಾಷೆಯಾಗುತ್ತದೆ?

17.  ಯಾವ ಯಾವ ಸಂದರ್ಭದಲ್ಲಿ ಉಪಭಾಷೆ ಏರ್ಪಡುತ್ತದೆ?

**VI** ಕೆಳಗಿನ ಎಲ್ಲಾ ಪ್ರಶ್ನೆಗಳಿಗೆ ವಸ್ತುನಿಷ್ಠವಾಗಿ ಉತ್ತರಿಸಿ            **(1x5 =5)**

18.  ರನ್ನನ ಲೌಕಿಕ ಕೃತಿ ಯಾವುದು?

19.  ರಾಮಾಶ್ವಮೇಧ ಕೃತಿಯನ್ನು ಬರೆದವರು ಯಾರು?

20.  ಅಲ್ಲಮಪ್ರಭುವಿನ ಅಂಕಿತನಾಮ ಯಾವುದು?

21.  'ಮಾತೆಂಬುದು ಜ್ಯೋತಿರ್ಲಿಂಗ' ಎಂದವರು ಯಾರು?

22.  ಸಕ್ಕರಿ ಬಾಲಾಚಾರ್ಯ ಇವರ ಕಾವ್ಯನಾಮವೇನು?

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# St Aloysius College (Autonomous)

# Mangaluru

### B.Com. Semester III– Degree Examination
### February 2021

### Open Elective (Under CBCS)

### Entrepreneurship

Time: 2 hrs.                                              Max Marks: 50

### SECTION – A

**Answer any FIVE from the following.**                  (5x2=10)

1. What is meant by an Agricultural Entrepreneur?
2. Explain Drone Entrepreneurs?
3. What is a Business Plan?
4. What is a micro enterprise?
5. What is meant by venture capital?
6. What are the sources available to a small scale enterprise to raise funds?
7. What is meant by angel investors?

### SECTION – B

**Answer any FOUR from the following.**                  (4x5=20)

8. Explain the importance of financial Planning.
9. Write a note on Women Entrepreneurship.
10. What is a project report? Briefly explain its contents.
11. Briefly explain the steps involved in the formulation of business plans.
12. Discuss the various sources used for raising term loans for an enterprise.
13. Explain the challenges of entrepreneurship.

**Answer any TWO from the following.**                   (2x10=20)

14. Explain the various problems faced by women entrepreneurs as being women?
15. Describe the various methods of project appraisal used to appraise a proposed project
16. State the need for institutional finance for small enterprises? Which are the institutions providing institutional finance to small entrepreneurs?

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Reg. No.: ☐☐☐☐☐☐

# St Aloysius College (Autonomous)
# Mangaluru

### B.Com. Semester III– Degree Examination
### February 2021
### Open Elective (Under CBCS)
### STOCK MARKET OPERATIONS

Time: 2 hrs.                                                    Max Marks: 50

## SECTION – A

**Answer any FIVE from the following.**                         (5x2=10)

1. Define Stock Exchange.
2. State any two characteristics of National Stock Exchange.
3. What do you mean by Dematerialization?
4. What is meant by Screen Based Electronic Trading?
5. What do you mean by Demat Account?
6. State any two powers of SEBI with regard to Stock Market.
7. What is Hybrid Market?

## SECTION – B

**Answer any FOUR from the following.**                         (4x5=20)

8. Distinguish between Primary Market and Secondary Market.
9. What do you mean by Auction Market? Explain.
10. What are the General Obligations and Responsibilities of a Stock Broker?
11. Narrate the procedure for Recognition of Stock Exchange.
12. Write a note on Bombay Stock Exchange.
13. What is Margin Trading? Explain.

## SECTION – C

**Answer any TWO from the following.**                          (2x10=20)

14. What is Secondary Market? Explain the functions of Secondary Market?
15. Explain the objectives and functions of SEBI.
16. What is the procedure involved in Registration of Stock Broker with SEBI? Explain.

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Reg. No.: ☐ ☐ ☐ ☐ ☐ ☐

# St Aloysius College (Autonomous)

## Mangaluru

### B.Com. Semester III– Degree Examination

### January -February 2021

### Open Elective (Under CBCS)

### Advertising

Time: 2 hrs.                                            Max Marks: 50

## SECTION – A

**Answer any <u>FIVE</u> from the following.**                    (5x2=10)

1. What is meant by advertising?
2. What is an advertising budget?
3. What is KIOSK Marketing?
4. What is Telemarketing?
5. What is meant by misleading advertising?
6. What is a surrogative advertising?
7. What is meant by catalog marketing?

## SECTION – B

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

8. Briefly explain the process of evaluating advertising effectiveness.
9. Explain the benefits of new digital Direct Marketing.
10. Explain the various domains of online marketing.
11. Write a note on Advertising regulatory bodies in India.
12. What marketing opportunities do On-Line channels provide?
13. Explain the various objectives of advertising.

## SECTION – C

**Answer any <u>TWO</u> from the following.**                    (2x10=20)

14. Explain the various steps in developing advertising strategy.
15. Explain the promises and challenges of On-Line Marketing.
16. Explain various ethical issues in advertising.

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G 312.3E (P)　　　　　　Reg. No. :

# St Aloysius College (Autonomous)
## Mangaluru
### B.Com. - Vocational  Semester III– Degree Examination
January/February 2021
#### Open Elective (Under CBCS)
## FUNDAMENTALS OF GST

Time: 2 hrs.　　　　　　　　　　　　　　　　　　Max Marks: 50

## SECTION – A

**Answer any TWO out of the following 3 questions.**　　(2x2=4)

1. What is time of supply of services made under reverse charge between associated enterprises?

2. Name any 2 products that are not covered under GST law currently.

3. Indicate whether the following activities will be treated as a supply or not:

   a) The completion certificate for construction of a building was received on 15.12.2020 and the consideration for the same was received on 16.12.2020

   b) Mr. X took legal consultancy services from his father, a renowned lawyer for no consideration in respect of Mr. X's business. Mr X's father is not dependent on Mr. X.

## SECTION - B

**Answer any TWO out of the following 3 questions.**　　(12x2=24)

4. Analyse the following cases independently and determine whether the supply is taxable or not:

| Sl. No. | Particulars | Amount (Rs.) |
|---|---|---|
| a) | Services of training farmers to use new scientific methods of agriculture in their farming | 1,00,000 |
| b) | Catering services provided to Baptist Higher Secondary School | 58,000 |
| c) | KSRTC, an State Transport Undertaking hires an Electric Bus [an Electronically operated vehicle (EOV)] that can seat more than 12 passengers for use in the city for local transport from M/s XYZ. | 28,50,000 |
| d) | Mr. Suresh, a senior advocate, provides legal services to M/s Justice & Co., a firm of advocates in relation to a case scheduled to be heard by the Supreme Court | 15,00,000 |
| e) | Mr. Akash pays Rs. 7000/- each as maintenance charges to his housing society in respect of 2 flats owned by him | 10,000 |
| f) | Mr. Rohit, a recovery agent appointed by Rich Bank Ltd., provides his services with respect to accounts located in an urban area. | 24,000 |

| | | |
|---|---|---|
| g) | Ms. Samantha receives monthly remuneration for her service as a commentator for Indian Sports Authority (ISA), which is a recognised sports body, for a tennis tournament organised by a multinational company. | 2,00,000 |
| h) | Efficient Hotels charged Mrs. Premlatha for a one day stay | 1,000 |
| i) | Services provided by cord blood banks by way of preservation of stem cells | 7,500 |
| j) | Monthly charges per resident in an old age home run by the State Government | 24,000 |
| k) | Ms. Prapti travelled in an AC cab using the Ola app | 160 |
| l) | Marriage ceremony conducted in a temple hall rented for one day | 24,000 |

5. Determine the Time of Supply and explain the applicable provision in the follows cases independently:

| Supply of goods (reverse charge): | | | |
|---|---|---|---|
| Sl. No. | Date of invoice | Date of receipt of goods | Date of payment in books | Date when payment debited in bank account |
| a) | 01/10/2020 | 05/10/2020 | 10/10/2020 | 12/10/2020 |
| b) | 01/10/2020 | 15/10/2020 | 10/10/2020 | 12/10/2020 |
| c) | 01/10/2020 | 15/11/2020 | 18/11/2020 | 20/11/2020 |
| Supply of service (forward charge): | | | |
| Sl. No. | Date of actual provision of service | Date of Invoice | Date on which payment received |
| d) | 10/11/2020 | 30/11/2020 | 15/11/2020 (Part payment) 10/12/2020 (Balance) |
| e) | 10/11/2020 | 30/11/2020 | 06/11/2020 (Part payment) 09/11/2020 (Balance) |
| f) | 10/11/2020 | 12/12/2020 | 30/04/2021 |

6. Determine the Place of Supply and explain the applicable provision in the follows cases independently:

a) Mr. Agarwal (resident of Jaipur, Rajasthan) a partner of Agarwal & Co. Chartered Accountants (registered in Delhi), went to Mumbai for conducting statutory audit. He purchased the air ticket from Fly High Airlines (registered in Rajasthan) to travel from his residence in Jaipur to the audit location in Mumbai. The ticket was purchased in the name of his firm, Agarwal & Co.

b) Diamond Ltd. is registered in Bengaluru, Karnataka. It hires a professional architect firm, Best Design & Co. LLP to design its new office in Ontario, Canada.

c) DEO Consultants (Kolkata) impart GST training to accounts and finance personnel of Sun Cements Ltd. (Guwahati, Assam) at the company's Kolkata office. Both the entities are registered under the GST law.

d) XY Pvt. Ltd., a Goods Transportation Agency based in Noida, Uttar Pradesh, is hired by Gracious Trading Company (registered supplier in New Delhi) to transport its consignment of goods to a buyer in Kanpur, Uttar Pradesh.

e) KK Ltd. (registered in Delhi) opens a new branch office at Noida, UP. It purchases a building for office from FDL Builders (registered in Noida) along with pre-installed office furniture and fixtures. What is the place of supply of office furniture and fixtures?

f) Mr. Umesh (registered in Lucknow, Uttar Pradesh) made a prepaid recharge of his mobile phone at an outlet located in Shimla, Himachal Pradesh while he was on vacation there.

## SECTION – C

**Answer any ONE out of the following 2 questions.**                    (16×1=16)

7. Lucky Ltd. has made an intra-state supply of machinery to Precious Ltd. The following particulars are available in this regard:

| Particulars | Amount (Rs.) |
|---|---|
| Price of the goods | 20,00,000 |
| Extended warranty charges | 1,00,000 |
| Consultancy charges in relation to pre-installation planning | 10,000 |
| Freight and insurance charges from place of removal to buyer's premises | 20,000 |
| Subsidy received from Central Government for supplying machinery in backward region | 50,000 |
| Cash discount offered if Machinery is supplied on time (as per agreement) | 8,000 |
| Local Authority taxes incurred | 12,000 |

It is assumed that the machine is delivered on time. You are requested to compute the value of supply and the tax payable thereon taking GST rates as 9% CGST, 9% SGST and 18% IGST.

8. Ms. Aparna manufactures and sells crockery items in Andhra Pradesh which is taxable under GST. She is also engaged in providing event management services as a side business from another location in Andhra Pradesh. Both these businesses are registered under her own personal PAN. The turnover from his businesses in FY 2019-20 are as follows:

Sale of crockery items: Rs. 79,00,000

Real estate consultancy: Rs. 3,10,000

Further, Ms. Aparna has also earned interest on FDs amounting to Rs. 2,75,000.

(a) Will Ms. Aparna be eligible for composition scheme in the next year? If yes, what is the maximum turnover she can have from her event management business in the next year?

(b) Can Mr. Aparna opt for composition scheme only for her manufacturing business?

(c) In the F.Y. 2020-21, Mr. Aparna shut down her event management business. The particulars of her manufacturing business are given below. You are required to calculate his composition tax liability and total tax liability for the F.Y. 2020-21:

| Particulars | Amount (Rs.) |
| --- | --- |
| Intra-supplies of Goods P (notified rate of GST: 5%) | 30,00,000 |
| Intra-state supplies of Goods R (notified exempt supply) | 17,00,000 |
| Intra-supplies of Goods Q (notified rate of GST: 12%) | 25,00,000 |
| GTA Service taken for sending goods (GST chargeable @ 5%) | 2,40,000 |

## SECTION – D

**Answer the following: (Compulsory)**  (6x1=6)

9. Who manages the GST common portal? Mention their functions.

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# St Aloysius College (Autonomous)
## Mangaluru
### B.B.A. - Semester III– Degree Examination
### January/February 2021
### Open Elective (Under CBCS)
## BUSINESS ETIQUETTES

Time: 2 hrs.                                   Max Marks: 50

## SECTION – A

1. **Answer any <u>TEN</u> of the following questions in two or three sentences each.** (10x2=20)

   a) What do you mean by the term Etiquette?

   b) Give any two examples of poor manners.

   c) Expand the concept of KISS in communication.

   d) Mention any four C's of communication.

   e) Give any two reasons for maintaining good relationship with peers.

   f) Give any two tips for telephone etiquette.

   g) Give the meaning of dining etiquette.

   h) Mention any two differences between American and Continental Dining styles.

   i) State any two important aspects of Personal hygiene and grooming.

   j) List out any two critical aspects in planning a meeting.

   k) Mention any two types of handshake.

   l) Write any two tips for studying body language.

## SECTION – B

2. **Answer any <u>FOUR</u> of the following questions in not less than one page each.** (4x5=20)

   a) Explain the concept of Gender differences.

   b) Elaborate the role of confidence in the present day corporate world.

   c) Explain any five tips for effective communication.

   d) Describe the various types of listening.

   e) Write a note on Power Dressing.

   f) Elucidate the various types of etiquette.

## SECTION – C

3. **Answer any <u>ONE</u> question in not less than two pages each.** (1x10=10)

   a) Explain the various barriers to communication.

   b) Describe as to why every youth has to possess good manners?

   c) Analyze and explain the concept of Body Language and the four territory zones in interpersonal communication.

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# St Aloysius College (Autonomous) Mangaluru

### B.B.A. - Semester III – Degree Examination

### February 2021
### Open Elective (Under CBCS)

## PERSONAL SELLING

Time: 2 hrs.                                                    **Max Marks: 50**

## SECTION – A

1. **Answer any <u>TEN</u> of the following questions in two or three sentences each.**                                          **(10x2=20)**

a) Define Personality.

b) What do you mean by telesales?

c) Write the meaning of franchise selling.

d) Give the meaning of consumer indirect selling.

e) What does a demonstration mean?

f) State the meaning of merchandising.

g) What do you mean by industrial selling?

h) State the meaning of selling approach.

i) What is missionary selling?

j) List different types of selling.

k) How do you define self worth?

l) What is sales objection?

## SECTION – B

2. **Answer any <u>FOUR</u> of the following questions in not less than one page each.**                                          **(4x5=20)**

a) What is follow up and why is it crucial for any business?

b) What is selling? Briefly write the importance of selling.

c) Discuss the various problems experienced by sales people.

d) Write a short note on international selling.

e) State the procedure of closing the sale.

f) What are the various phases of negotiation?

## SECTION – C

3. **Answer any <u>ONE</u> question in not less than two pages each. (1x10=10)**

a) How do you make a sales presentation powerful?

b) Explain the role of personality in sale.

c) Discuss the selling skills to attract customers on opening day.

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# St Aloysius College (Autonomous)
## Mangaluru
### B.B.A. - Semester III– Degree Examination
### January/February 2021.
### Open Elective (Under CBCS)
### CORPORATE SOCIAL RESPONSIBILITY

Time: 2 hrs.

Max Marks: 50

## SECTION – A

1. **Answer any TEN of the following questions in two or three sentences each.**  (10x2=20)

a) What is Corporate Citizenship?

b) Write any driving forces of CSR.

c) Who are the stake holders in CSR?

d) What is CSR through Sustainable Business?

e) Write any two major codes of CSR.

f) Define Corporate Social Responsibility.

g) What is Brand building?

h) Write any 2 models of CSR in India.

i) What is Charity?

j) What are NGOs?

k) Give two examples for environmental aspect of CSR

l) What are Contemporary issues of CSR?

## SECTION – B

2. **Answer any FOUR of the following questions in not less than one page each.**  (4x5=20)

a) 'The business of business is to do business'. Do you agree with this statement? Justify your answer.

b) Write a note on CSR through triple bottom line.

c) Explain CSR initiatives of any two Indian Companies.

d) Write a note on Carroll's model.

e) Explain the relationship between CSR and marketing.

f) What are the challenges of CSR?

## SECTION – C

3. **Answer any ONE question in not less than two pages each.**  (1x10=10)

a) Explain what motivates organizations to take up CSR activities?

b) Explain the Role of Non-profit and local self-governance in implementing CSR

c) GLST Limited is a leading manufacturer of FMEG and power distribution equipment. The brand is presently valued at USD 1.4 billion, which shows the success and growth of the company from a local brand to becoming a global entity. In the year 2020, during expansion 'GLST Ltd' researched to find out the logic behind unavailability of sufficient human resource for its new plant. It encountered the problems of poverty, malnutrition and illiteracy in the region.
Suggest the best CSR plan for 'GLST ltd' with effective reason.

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# St Aloysius College (Autonomous) Mangaluru

### B.Sc. Semester III– Degree Examination
### February 2021

## OPEN ELECTIVE
## BASIC INSTRUMENTATION SKILLS

Time: 2 hrs.                                          Max Marks: 50

## PART A

**I  Answer any FIVE of the following.**                 (2x5=10)

1. Defining accuracy of a measuring instrument.

2. Define sensitivity of an instrument.

3. What is an impedance bridge?

4. What is a dual trace C.R.O.?

5. What is the role of sweep generator in a C.R.O.?

6. Draw any two ac waveforms.

## PART B

**II  Answer any THREE of the following.**               (10x3=30)

1. a)  Discuss various instrumental errors.                **(6)**

   b)  Describe the principle of analog multimeter.        **(4)**

2. a)  Explain the rectifier-amplifier type AC millivoltmeter with a   **(6)**
       block diagram.

   b)  Give the block diagram of a pulse generator.        **(4)**

3. a)  Name all the categories of a signal generator.      **(6)**

   b)  What are the differences between signal generators and   **(4)**
       function generators?

4. a)  With circuit diagram , explain the range selection for voltage
       and current measurement in multimeter.             **(6)**

   b)  Explain the principle of Wheatstone bridge.         **(4)**

5. a)  Draw the internal construction of a CRT and explain its parts. **(6)**

   b)  What are the differences between analog and digital   **(4)**
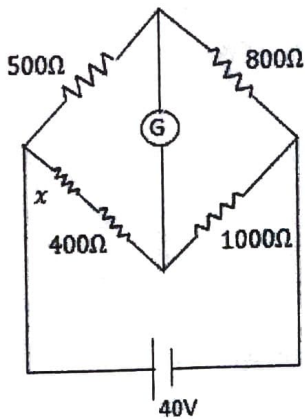       instruments?

## PART C

**III Answer any TWO of the following.**                  (5x2=10)

1. A current meter has the following specifications.

| Range | Accuracy ±(% of reading + amps) |
|---|---|
| 1.00µA | 0.035% + 600pA |
| 10.00 µA | 0.033% + 2nA |

Find the uncertainty of a reading 3.5 µA on 10 µA range.

2. What is the value of x when the Wheatstone's network in balanced in the following diagram?



3. In a CRO if the time base is 5 millisec/div and the number of divisions for two complete cycles is 4, calculate the time period and frequency of the waveform.

4. In a CRO, for a voltage of 188V the defection is 5 cm. Calculate the deflection sensitivity.

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# St Aloysius College (Autonomous)
# Mangaluru

## B.Sc. Semester III – Degree Examination
### February 2021
### Open Elective (Under CBCS)
### ENVIRONMENTAL CHEMISTRY

Time: 2 hrs.                                                    Max Marks: 50

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

## PART – A

1.  **Answer any FIVE of the following questions in 1 to 3 sentences**

                                                                   (2x5=10)

a)  What is global warming?

b)  Explain the role of oxygen in stratosphere.

c)  What is meant by normal lapse rate?

d)  Give the significance of BOD.

e)  What do you mean by incineration of waste?

f)  Give any two environmental effects of pesticides.

## PART – B

2.  **Answer any FIVE of the following questions in 2 to 5 sentences.**

                                                                   (3×5=15)

i)  What are the reactions involved during ozone layer depletion in the atmosphere?

ii)  Why carbon monoxide is considered as poisonous?

iii)  What is greenhouse effect? How does it affect the global climate?

iv)  Explain any three water quality parameters for waste water?

v)  What is the treatment involved for industrial waste water?

vi)  What are the processes that cause anthropogenic soil pollution?

## PART – C

**Answer any FIVE of the following questions.**          (5×5=25)

3)  Briefly explain the chemical and photochemical reactions in atmosphere.

4)  What is smog? Explain its types.

5)  What are the harmful effects of oxides of sulphur in atmosphere?

6)  What is the treatment involved in effluent plant for waste water.

7)  Write a brief note on water act (India)?

8)  Explain the remedial measures to be taken to avoid pollution of noise.

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## St Aloysius College (Autonomous)
### Mangaluru
### B.Sc. Semester III – Degree Examination
### February - 2021

## OPEN ELECTIVE
## APPLICATIONS OF BASIC ARITHMATICS

Time: 2 Hours

Max. Marks: 50

**Note: Answer all parts**

### PART – A

**Answer any FIVE of the following.**                    (5×2=10)

1. Convert into vulgar fraction $3.\overline{87} - 2.\overline{59}$.

2. What is the difference between the biggest and the smallest fraction among
$\dfrac{2}{3}, \dfrac{3}{4}, \dfrac{4}{5}, \dfrac{5}{6}$.

3. The cost of 4 bags and 3 boxes is ₹ 555 and the cost of 3 bags and 4 boxes is ₹ 460. What is the cost of one bag?

4. Find the difference of $1\dfrac{3}{16}$ and its reciprocal.

5. A is twice as good as workman as B and together they finish a piece of work in 18 days. In how many days will A alone finish the work?

6. A cyclist covers a distance of 750 m in 2 minutes 30 seconds. What is the speed in km/hour of the cyclist?

7. A man takes 3 hours 45 minutes to cover a distance of 5 km upstreams. Find the speed of the river current in km/hour.

8. A 160 m long train crosses a 160 m long platform in 16 seconds. Find the speed of the train.

### PART – B
### UNIT - I

**Answer any TWO of the following**                    (2×5=10)

1. Simplify $3\dfrac{1}{4} + \left\{1\dfrac{1}{4} - \dfrac{1}{2}\left(2\dfrac{1}{2} - \overline{\dfrac{1}{4} - \dfrac{1}{6}}\right)\right\}$.

2. The average age of husband, wife and their child 3 years ago was 27 years and that of wife and the child 5 years ago was 20 years. What is the present age of the husband?

3. Find the number which is nearest to 3105 and is exactly divisible by 21.

**Answer any ONE of the following**                    (1×10=10)

1. a) Find the missing digits $p$ and $q$ if the number $3422213pq$ is divisible by 99.

(6)

b) If $2 = x + \cfrac{1}{1 + \cfrac{1}{3 + \cfrac{1}{4}}}$ then find the value of $x$.                    (4)

2. a) The sum of five consecutive odd numbers is 575. What is the sum of the next set of five consecutive odd numbers.                    (4)

b) From a number of apples, a man sells half the number of existing apples plus 1 to the first customer, sells $\frac{1}{3}$ of the remaining apples plus 1 to the second customer and $\frac{1}{5}$ of the remaining apples plus 1 to the third customer. He then finds that he has 3 apples left. How many apples did he have originally?                    (6)

## UNIT - II

**Answer any TWO of the following**                    (2×5=10)

1. An aeroplane started 30 minutes later than the scheduled time from a place 1500km away from its destination. To reach the destination at the scheduled time the pilot had to increase the speed by 250 km/hour. What was the speed of the aeroplane per hour during the journey?

2. A and B can do a piece of work in 9 days, B and C can do it in 12 days, A and C can do it in 18 days. In how many days can A, B and C finish it working together and separately?

3. What was the day of the week on 4th June 2002?

**Answer any ONE of the following**                    (1×10=10)

1. a) Two places A and B are 80 km apart from each other on a highway. A car starts from A and another from B at the same time. If they move in the same direction they meet each other in 8 hours. If they move in opposite directions towards each other, they meet in 1 hour 20 minutes. Determine the speeds of the cars.                    (5)

b) Ashok left from place A for place B at 8 a.m. and Rahul left place B for place A at 10.00 a.m. The distance between place A and place B is 637 Km. If Ashok and Rahul are traveling at a uniform speed of 39 Km per hour and 47 Km per hour respectively, at what time will they meet?                    (5)

2. a) A train running at 54 Km per hour takes 20 seconds to pass a platform. Next it takes 12 seconds to pass a man walking at 6 Km per hour in the same direction in which the train is going. Find the length of the train and the length of the platform.                    (5)

b) At what time between 4 and 5'o clock will the hands of clock be at right angle?                    (5)

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

Time: 2 hrs.            Max Marks: 50

## SECTION – A

I.    **Answer any <u>FIVE</u> questions:**        (5x2=10)

   i)   What is meant by radio wave communication? Give one example

   ii)   Mention the three types of radio wave propagation in space.

   iii)   Mention various layers of ionosphere.

   iv)   Define frequency modulation.

   v)   Draw the labeled diagram of optic fiber

   vi)   Name the four operational channels used in Mobile communication.

   vii)   What do you mean by "Half Duplex System" used in Radio Transmission Techniques. Give one example.

## SECTION – B

II.    **Answer any <u>FOUR</u> questions.**        (4x5=20)

   i)   What is an antenna? Explain the need for antenna in radio wave communication.

   ii)   Define Amplitude modulation and explain.

   iii)   With necessary diagram explain the mechanism of radio wave propagation through ionosphere.

   iv)   With necessary diagram Explain Direct Sequence Spread Spectrum used in CDMA.

   v)   Mention any four materials used for core and cladding in a optic fiber.

   vi)   With block diagram, explain the process of incoming call in GSM system.

## SECTION – C

III.    **Answer any <u>TWO</u> full questions.**        (10x2=20)

   1.   a)   Write a note satellite communication.

       b)   Briefly discuss various channels of Electronic communication.     (5+5)

   2.   a)   Discuss various layers of ionosphere and their role in radio wave propagation.

       b)   What are the advantages of using artificial satellites in electronic communication? Explain.     (5+5)

   3.   a)   With a block diagram explain GSM architecture.

       b)   Explain (a) Frequency reuse (b) Call handoff     (5+5)

   4.   a)   With a neat diagram explain different types of optic fibers.

       b)   With a block diagram, explain fiber optic transmission link.     (5+5)

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# St Aloysius College (Autonomous) Mangaluru

**B.Sc. - Semester III– Degree Examination**

**February 2021**

**Open Elective (Under CBCS)**

## Computer Hardware and Maintenance

**Max Marks: 50**

Time: 2 hrs.

### Section – A

1. Answer any **FIVE** of the following questions in 2-3 sentences each.   (5x2=10)

   a. Define Internet?

   b. Expand PAN?

   c. What are Routers?

   d. What is Hub?

   e. Define Dynamic IP.

   f. Mention the purpose of patch cable.

   g. What is a Microprocessor?

### Section - B

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

2. What is DNS? Explain with an example.

3. What are IP classes and how can you identify the IP class of given IP address?

4. What is a VPN? Explain.

5. Difference Between RJ45 and RJ11

6. Explain Wired and Wireless technologies.

### Section – C

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

7. Write a note on Domain and a Workgroup.

8. Briefly explain any four different types of server

9. What are the layers in OSI Reference Models? Describe each layer briefly

**\*\*\*\*\*\*\*\*\***

### PART – A

**I. Answer any FIVE of the following.**                    (2x5=10)

1. Define the mathematical expectation of a random variable.

2. Prove that $V(aX)=a^2V(X)$.

3. If $E(X)=4$ and $E(X^2) = 25$, find $V(5X-9)$.

4. Define independent random variables.

5. Write down the p.d.f of Beta variate of the first kind.

6. Mention any two situations where Binomial distribution is applicable.

7. Write the p.d.f of Normal distribution with mean $\mu$ and variance $\sigma^2$.

### PART – B

**II. Answer any SIX of the following.**                    (5x6=30)

8. For the following probability distribution, find $E(3X+5), V(4X-3)$

   | X | 10 | 12 |
   |------|-----|-----|
   | P(x) | 0.8 | 0.2 |

9. A bag contains 5 greens and 3 red balls. A man draws 2 balls at random from the bag. If he is to receive 30 rupees for every green ball he draws and 20 rupees for every red ball, what is his expectations?

10. In the following probability distribution, find the missing probability and find the mean and variance of the following distribution.

    | X | 4 | 6 | 8 | 10 | 12 |
    |------|-----|-----|---|-----|------|
    | P(x) | 1/8 | 1/6 | - | ¼ | 1/12 |

11. Obtain the mean and variance of the Poisson distribution.

12. State and prove Multiplication theorem of Expectation.

13. Obtain the median of Cauchy distribution.

14. The distribution of monthly income of 3000 workers of a factory confirms Normal law with mean Rs.900 and standard deviation Rs.100. Find i) the percentage of workers having more than Rs.800 income ii) the number of workers having less than Rs.600 income.

15. Suppose that a loading time for a truck at the Ships Loading Dock follows an exponential probability distribution with average loading time as 15 minutes. Find the probability that the loading time is
    a) Less than or equal to 6 minutes.
    b) Between 8 and 20 minutes.

## PART – C

**III. Answer any ONE of the following.**                    (10x1=10)

16. A survey of 100 families each having 5 children revealed the following distribution. Fit a Binomial distribution to the following data.

| No. of male children | 0 | 1 | 2 | 3 | 4 | 5 | Total |
|---|---|---|---|---|---|---|---|
| No. of families | 9 | 24 | 35 | 24 | 6 | 2 | 100 |

17. The following is the joint probability distribution of X and Y.
    Find i) K  ii) Cov(X,Y)  iii) Coefficient of correlation.

| Y \ X | 0 | 10 | 20 |
|---|---|---|---|
| 1 | 0 | 0.1 | 0.1 |
| 2 | 0.1 | K | 0.1 |
| 3 | 0.2 | 0.1 | 0.1 |

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## St Aloysius College (Autonomous)
### Mangaluru
### B.Sc.  Semester III– Degree Examination
#### February 2021
### Open Elective (Under CBCS)
## MEDICINAL BOTANY

Time: 2 Hours.                                          Max Marks: 50

Note:  i) Answer all the sections.

ii) Draw diagrams wherever necessary.

### SECTION –A

**I   Answer any FIVE of the following.**                  (5X2=10)

1) Give the systematic position of fenugreek.

2) What is ethnobotany?

3) Mention the active principle present in *Centella asiatica*.

4) Mention the ethnobotanical use of *Tribulus terrestris* and *Pongamia pinnata*.

5) Define any two indigenous medical sciences.

6) Mention the ethnobotanical use  of *Holigarna ferruginea* and *Phyllanthus niruri*

### SECTION – B

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

1) Give the systematic position and medicinal uses of following plants

   a) Ashoka          b) Ginger

2) Give an account on any four plants used to cure jaundice and skin diseases.

3) Give an account on active principles and method of testing in *Catharanthus roseus.*

4) Give a brief account on habitat, morphology and ethnobotanical significance of *Cymbopogon citratus.*

5) Write brief note on any two wild edible plants of the locality.

6) Give a brief account on habitat, morphology and ethnobotanical significance of *Achyranthes aspera.*

### SECTION – C

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

1) Give a detailed account on phytochemical screening tests to detect alkaloids and flavonoids.

2) Give an account on history, scope and importance of medicinal plants.

3) Give a detailed account on habitat, morphology and ethnobotanical significance of (i) *Cassia auriculata* and (ii) *Cynodon dactylon*

4) Explain the role of etnobotany in modern medicine with special reference to

   a) *Rauolfia serpentina,* b)*Trichopus zeylanicus*

   c) *Artemisia vulgaris* and d)*Withania somnifera*

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# St Aloysius College (Autonomous)

# Mangaluru

### B.Sc. - Semester III– Degree Examination
### February 2021
### Open Elective (Under CBCS)
### HEALTH AND LIFESTYLE

Time: 2 hrs.                                          Max Marks: 50

## SECTION – A

I. Answer any **TEN** of the following in 2-3 sentences          (2x10=20)
   each.

1. Define Homeostasis.
2. How much ATP is generated by one molecule of carbohydrates?
3. Mention 5 different physical activities that require high energy.
4. What is metabolism?
5. Name some of the factors affecting the BMR.
6. Identify some of the life style disorders seen in humans.
7. Define eustress and distress.
8. Define stressor and mention types of stressor.
9. Define psychosomatic disorder and give example.
10. Differentiate atherosclerosis and coronary artery disease.
11. Define hypertension and mention the main cause of hypertension.
12. Why do we need energy?

## SECTION - B

II. Answer any **SIX** of the following in not more than 150          (5x6=30)
    words each.

1. Briefly explain the causes for lifestyle diseases.
2. Explain the types of fuel sources and their utilization in various physical activities.
3. Explain negative and positive feedback mechanism in humans with examples.
4. Explain effect of modern food habits on health.
5. Discuss causes, symptoms, diagnosis, treatment and management of diabetes mellitus.
6. Enumerate causes, symptoms, diagnosis, treatment and management of cardiac arrest.
7. What is cellular respiration with reference to Aerobic and anaerobic?
8. Explain BMI.

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# St Aloysius College (Autonomous) Mangaluru

## B.Sc. - Semester III– Degree Examination
### February 2021
### Open Elective (Under CBCS)
### BASIC CONCEPTS OF FOOD SAFETY

Time: 2 hrs.                        Max Marks: 50

**Instructions: Answer PART A AND B AND C**
       **Draw Diagrams wherever necessary.**

### PART – A

1. **Define /Answer any <u>FIVE</u> of the following:**      **(2x5=10)**

a) Food Safety

b) FAT TOM

c) Sanitization

d) Food safety hazard

e) Additive

f) Pest

### PART - B

**Answer <u>ONE</u> full Question choosing 'a' or 'b' and 'c' is compulsory.**    **(15x2=30)**

#### UNIT -I

2. a) Discuss the issues concerned with food safety.      **(9)**

**OR**

b) Explain the functions performed by cleaning agents in the food industry.

c) Write a note on factors affecting food spoilage.      **(6)**

#### UNIT -II

3. a) Discuss the types of food hazards.      **(9)**

**OR**

b) Discuss sources of food contamination.

c) Write briefly about pest control.      **(6)**

### PART - C

**Answer any <u>TWO</u> of the following.**      **(5x2=10)**

4. a) Genetically engineered food.

b) Organic acids and their characters used for cleaning in food sectors.

c) Pest proofing of building.

d) Personal hygiene in food industry.

**\*\*\*\*\*\*\*\*\*\***

### PART – A

**I. Answer any <u>TEN</u> of the following.**                    (10×2=20)

1. Define stem cells. Write any two characteristics of stem cells.
2. What are Pluripotent stem cells?
3. What are Hematopoietic stem cells?
4. What are Totipotent stem cells?
5. Write the functions of stem cells in the body.
6. What is stem cell banking?
7. What is genomic reprogramming?
8. What are Embryonic stem cells?
9. Write any two applications of Epithelial stem cells.
10. What are Multipotent stem cells?
11. Write any one application of stem cells in aging.
12. What are Primordial germ cells?

### PART – B

**II Answer any <u>SIX</u> of the following.**                    (6x5=30)

1. Explain the Ethical concerns in stem cell research.
2. Write a note on neural stem cells and their applications.
3. Write a note on FACS and its application in stem cell research.
4. Describe the Fate mapping of stem cells.
5. Explain the methods for maintenance of human embryonic stem cells.
6. Write a note on Pancreatic stem cells and Diabetes.
7. Explain role of stem cells in Cancer.
8. Explain the importance of stem cells in tissue engineering.

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# St Aloysius College (Autonomous) Mangaluru

## B.Sc. Semester III– Degree Examination
### January/February 2021
### Open Elective (Under CBCS)

## PLANT TISSUE CULTURE AND MUSHROOM CULTURE TECHNIQUES

Time: 2 hrs.                                    Max Marks: 50

### SECTION – A

**I. Answer any FIVE from the following:**                    (5x2=10)

1. Define callus and mention the types
2. Write the applications of auxin
3. Why MS media is called "Universal media"?
4. How you can prepare mushroom fungal culture?
5. Name the important varieties of edible mushrooms
6. Mention the important raw materials required for mushroom culture

### SECTION – B

**II. Answer any FOUR from the following:**                    (4x5=20)

1. Write a note on health benefits of mushrooms
2. Give an account on surface sterilents used for explants in tissue culture
3. Discuss on cytodifferentiation
4. Give an account on mushroom culture media
5. Explain life cycle of mushroom
6. Write a note on meristem culture

### SECTION – C

**III. Answer any TWO from the following:**                    (2x10=20)

1. Explain haploid culture and add its applications
2. Describe protoplast fusion
3. Explain the production process of mushrooms and its economies
4. Discuss on mushroom bed preparation and spawning

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# St Aloysius College (Autonomous) Mangaluru

### B.Sc. – Semester III– Degree Examination
### February 2021
### Open Elective (Under CBCS)

## INDIAN ECONOMY

Time: 2 hrs.                                                    Max Marks: 50

## SECTION – A

**Answer any SEVEN questions.**                          (7x2=14)

1.  What is density of population?
2.  What is urbanisation?
3.  What are civic amenities?
4.  Define poverty.
5.  What is infant mortality rate?
6.  List any two consequences of ageism.
7.  What is inclusive growth?
8.  What is micro finance?
9.  What is NITI ayog?

## SECTION - B

**Answer any FOUR questions.**                          (4x4=16)

10.  What is the different types migration?
11.  What are the positive and negative effects of rural to urban migration?
12.  What are the various effects of unemployment?
13.  Write a note on the remedies to reduce infant mortality.
14.  Write a note on the changing structural characteristics of Indian economy.
15.  Write a note on panchayat raj system in India.

## SECTION – C

**Answer any TWO questions.**                          (2x10=20)

16.  Explain the theory of demographic transition.
17.  Explain the causes of inequalities and measures to reduce it.
18.  Explain the major road and railway sector reforms since 1991.

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# St Aloysius College (Autonomous) Mangaluru
## B.C.A. Semester III – Degree Examination
### February 2021
### Open Elective (Under CBCS)
# INTERNET OF THINGS

Max Marks: 50

Time: 2 hrs.

## SECTION – A

(5x2=10)

1. **Answer any FIVE from the following.**
   a. Define Internet of Things with an example.
   b. Name any two IoT development boards.
   c. Mention the use of RFID?
   d. Define Smart Devices? Give Example.
   e. What is distributed Query Processing?
   f. What are the different ways of organizing the data?
   g. Define ADFG

## SECTION – B

(4x5=20)

**Answer any FOUR from the following.**

2. Explain the use of Internet of things concepts for streetlights in a city with diagram.
3. Write a note on Sensors and Control units.
4. Explain the features of WebSocket.
5. Write a note on HTTP Port.
6. Write a note on OLTP.

## SECTION – C

(2x10=20)

**Answer any TWO from the following.**

7. Write a note on
   a. ADFG
   b. DNS
   c. DHCP
   d. IPV6
   e. IETF

8. Explain the features of SQL. And also explain the concepts of NoSQL.

9. Explain the following protocols
   a. SOAP
   b. REST
   c. WEBSOCKETS
   d. HTTP RESTFUL

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