

G 101.1E

(2019 Batch onwards)

Reg. No:

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St Aloysius College (Autonomous)

Mangaluru

B.A. Semester I – Degree Examination

October - 2019

Open Elective (Under CBCS)

CONTEMPORARY 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. Explain the process of Bank Nationalisation during the regime of Indira Gandhi.
ಇಂದಿರಾ ಗಾಂಧಿ ಅಧಿಕಾರವಧಿಯಲ್ಲಿ ಬ್ಯಾಂಕುಗಳ ರಾಷ್ಟ್ರೀಕರಣದ ಪ್ರಕ್ರಿಯೆಯನ್ನು ವಿವರಿಸಿ.
2. Describe the steps taken up by P.V Narasimha Rao in introducing liberalization, privatization, and globalization.
ಪಿ.ವಿ.ನರಸಿಂಹ ರಾವ್ ಅವರು ಉದಾರೀಕರಣ, ಖಾಸಗೀಕರಣ ಮತ್ತು ಜಾಗತೀಕರಣ ಜಾರಿಗೆ ತರಲು ಕೈಗೊಂಡ ಕಾರ್ಯವಿಧಾನವನ್ನು ವಿವರಿಸಿ.
3. Examine the growth of communalism in post -independent India.
ಸ್ವಾತಂತ್ರ್ಯೋತ್ತರದ ಭಾರತದಲ್ಲಿ ಕೋಮುವಾದದ ಬೆಳವಣಿಗೆಯನ್ನು ಪರಿಶೀಲಿಸಿ.

II Answer any THREE questions in 15-20 lines each. (6x3=18)

ಕೆಳಗಿನ ಯಾವುದಾದರೂ ಮೂರು ಪ್ರಶ್ನೆಗಳನ್ನು 15-20 ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿ.

1. Explain the Nehruvian concept of development.
ನೆಹರೂರವರ ರಾಷ್ಟ್ರೀಯ ಅಭಿವೃದ್ಧಿಯ ಪರಿಕಲ್ಪನೆಯನ್ನು ವಿವರಿಸಿ.
2. Evaluate the rise of Dravida parties in South India.
ದಕ್ಷಿಣ ಭಾರತದಲ್ಲಿ ದ್ರಾವಿಡ ಪಕ್ಷಗಳ ಉದಯವನ್ನು ಪರಿಶೀಲಿಸಿ.
3. Write a note on the rise of autonomous women groups in post 1980's and its activities.
1980ರ ದಶಕದಲ್ಲಿ ಸ್ವತಂತ್ರ ಮಹಿಳಾ ಸಂಘಟನೆಗಳ ಉದಯ ಹಾಗೂ ಅದರ ಕಾರ್ಯ ಚಟುವಟಿಕೆಗಳ ಕುರಿತು ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ.
4. Explain Right To Information Act in India.
ಭಾರತದಲ್ಲಿ ಮಾಹಿತಿ ಹಕ್ಕು ಕಾಯಿದೆಯನ್ನು ವಿವರಿಸಿ.
5. Identify the democratic expressions in art and literature in India.
ಕಲೆ ಮತ್ತು ಸಾಹಿತ್ಯ ಕ್ಷೇತ್ರದಲ್ಲಿ ಪ್ರಜಾಪ್ರಭುತ್ವದ ಚಹರೆಗಳನ್ನು ಗುರುತಿಸಿ.

III Answer the following questions in 5 sentences each. (3x4=12)

ಕೆಳಗಿನ ಪ್ರಶ್ನೆಗಳನ್ನು 5 ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿ.

1. Who initiated 'total revolution'? Why?
'ಸಮಗ್ರ ಕ್ರಾಂತಿ'ಯನ್ನು ಯಾರು ಆರಂಭಿಸಿದರು? ಯಾಕೆ?
2. Who drafted the Mandal Commission Report and which government implemented it?
ಮಂಡಲ್ ಕಮಿಷನ್ ಕರಡು ವರದಿಯನ್ನು ಯಾರು ತಯಾರಿಸಿದರು? ಯಾವ ಸರ್ಕಾರ ಅದನ್ನು ಜಾರಿಗೊಳಿಸಿತು?
3. What is the role of Election Commission in India?
ಭಾರತದಲ್ಲಿ ಚುನಾವಣಾ ಆಯೋಗದ ಪಾತ್ರವೇನು?
4. Expand MISA. Name the prominent leaders arrested during emergency under MISA.
MISA ವಿಸ್ತರಿಸಿ. ಅದರ ಪ್ರಕಾರ ಬಂಧಿಸಲ್ಪಟ್ಟ ಪ್ರಮುಖ ನೇತಾರರನ್ನು ಹೆಸರಿಸಿ.

(2019 Batch Onwards)

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**St Aloysius College (Autonomous)
Mangaluru**

B.A. - Semester I- Degree Examination

October- 2019

Open Elective (Under CBCS)

ECONOMICS OF INSURANCE

Time: 2 hrs.

Max Marks: 50

SECTION - A

Answer any **SEVEN** questions.

(7x2=14)

1. Define risk.
ಅಪಾಯವನ್ನು ವ್ಯಾಖ್ಯಾನಿಸಿ.
2. What is nomination?
ನಾಮನಿರ್ದೇಶನ ಎಂದರೇನು?
3. What is general insurance?
ಸಾಮಾನ್ಯ ವಿಮೆ ಎಂದರೇನು?
4. Define insurance?
ವಿಮೆಯನ್ನು ವ್ಯಾಖ್ಯಾನಿಸಿ.
5. List out any four benefits of life insurance.
ಜೀವ ವಿಮೆಯ ಸಾಲು ಪ್ರಯೋಜನಗಳನ್ನು ಪಟ್ಟಿ ಮಾಡಿ.
6. What is health insurance?
ಆರೋಗ್ಯ ವಿಮೆ ಎಂದರೇನು?
7. List out any two characteristics of reinsurance.
ಮರುವಿಮೆಯ ಯಾವುದೇ ಎರಡು ಗುಣಲಕ್ಷಣಗಳನ್ನು ಸೂಚಿಸಿ.
8. What are the two requirements to Issue a duplicate life insurance policy?
ನಕಲಿ ಜೀವ ವಿಮಾ ಪಾಲಿಸಿಯನ್ನು ನೀಡುವ ಎರಡು ಅವಶ್ಯಕತೆಗಳು ಯಾವುವು?
9. What is social insurance?
ಸಾಮಾಜಿಕ ವಿಮೆ ಎಂದರೇನು?

SECTION - B

Answer any **FOUR** questions.

(4x4=16)

10. Explain the meaning and types of perils.
ಅಪಾಯಗಳ ಅರ್ಥ ಮತ್ತು ಪ್ರಕಾರಗಳನ್ನು ವಿವರಿಸಿ.
11. What are the components of life insurance contract?
ಜೀವವಿಮಾ ಒಪ್ಪಂದದ ಅಂಶಗಳು ಯಾವುವು?
12. Briefly explain any two types of general insurance.
ಯಾವುದೇ ಎರಡು ರೀತಿಯ ಸಾಮಾನ್ಯ ವಿಮೆಯನ್ನು ಸಂಕ್ಷಿಪ್ತವಾಗಿ ವಿವರಿಸಿ.
13. Explain the meaning and types of personal insurance.
ವೈಯಕ್ತಿಕ ವಿಮೆಯ ಅರ್ಥ ಮತ್ತು ಪ್ರಕಾರಗಳನ್ನು ವಿವರಿಸಿ.

Contd...2

14. Explain the concept of lapse and revivals.
ನಷ್ಟ ಮತ್ತು ಪುನರುಜ್ಜೀವನದ ಪರಿಕಲ್ಪನೆಯನ್ನು ವಿವರಿಸಿ.
15. Write a note on rural insurance.
ಗ್ರಾಮೀಣ ವಿಮೆಯ ಬಗ್ಗೆ ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ.

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

16. Explain the meaning, features and objectives of risk management.
ಅಪಾಯ ನಿರ್ವಹಣೆಯ ಅರ್ಥ, ಲಕ್ಷಣಗಳು ಮತ್ತು ಉದ್ದೇಶಗಳನ್ನು ವಿವರಿಸಿ.
17. Explain the procedure of issuing a life insurance policy.
ಜೀವವಿಮಾ ಪಾಲಿಸಿಯನ್ನು ನೀಡುವ ವಿಧಾನವನ್ನು ವಿವರಿಸಿ.
18. Explain the importance of general insurance.
ಸಾಮಾನ್ಯ ವಿಮೆಯ ಮಹತ್ವವನ್ನು ವಿವರಿಸಿ.

(2019 Batch Onwards)

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**St Aloysius College (Autonomous)
Mangaluru**

B.A. - Semester I- Degree Examination

October- 2019

Open Elective (Under CBCS)

LEGAL LITERACY IN INDIA

Time: 2 hrs.

Max Marks: 50

SECTION - A

Answer any FIVE from the following.

(5x2=10)

1. Define Law? List any one of the relevances of law in civil society?
ಕಾನೂನು ಎಂದರೇನು? ನಾಗರಿಕ ಸಮಾಜದಲ್ಲಿ ಕಾನೂನಿನ ಯಾವುದಾದರೂ ಒಂದು ಪ್ರಸ್ತುತತೆ (ಮಹತ್ವ)ಯನ್ನು ಉಲ್ಲೇಖಿಸಿರಿ.
2. What do you mean by Written Statement?
ನಿಮ್ಮ ಪ್ರಕಾರ ಪ್ರತಿವಾದ ಪತ್ರ ಎಂದರೇನು? **ST. ALOYSIUS COLLEGE LIBRARY
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3. What do you mean by free legal aid?
ನಿಮ್ಮ ಪ್ರಕಾರ ಉಚಿತ ಕಾನೂನು ನೆರವು (ಸಹಾಯ) ಎಂದರೇನು?
4. What is RTI? When did RTI Act come into force?
ಮಾಹಿತಿ ಹಕ್ಕು ಕಾಯಿದೆ ಎಂದರೇನು? ಮಾಹಿತಿ ಹಕ್ಕು ಕಾಯಿದೆ ಯಾವಾಗ ಜಾರಿಗೆ ಬಂದಿತು?
5. Name any two personal laws in India.
ಭಾರತದಲ್ಲಿರುವ ಯಾವುದಾದರೂ ಎರಡು ವೈಯಕ್ತಿಕ ಕಾನೂನುಗಳನ್ನು ಹೆಸರಿಸಿರಿ.
6. Write any two reasons for establishing Family Court.
ಕುಟುಂಬಿಕ ನ್ಯಾಯಾಲಯವನ್ನು ಸ್ಥಾಪಿಸಲು ಇರುವ ಯಾವುದಾದರೂ ಎರಡು ಕಾರಣಗಳನ್ನು ಬರೆಯಿರಿ.
7. In India, can future property be transferred? If yes, why? If no, why?
ಭಾರತದಲ್ಲಿ ಭವಿಷ್ಯದ ಆಸ್ತಿಯನ್ನು ವರ್ಗಾವಣೆ ಮಾಡಬಹುದೇ? ಹೌದಾದರೆ, ಯಾಕೆ?
ಇಲ್ಲವಾದರೆ, ಯಾಕೆ?

SECTION - B

Answer any FOUR from the following.

(4x5=20)

8. What do you mean by crime? Write down the four elements of a crime.
ಅಪರಾಧ ಎಂದರೇನು? ಅಪರಾಧದ ನಾಲ್ಕು ಅಂಶಗಳನ್ನು ಬರೆಯಿರಿ.
9. Write a note on the need for the promotion of legal literacy in India.
ಭಾರತದಲ್ಲಿ ಕಾನೂನಿನ ಸಾಕ್ಷರತೆಯನ್ನು ಪ್ರೋತ್ಸಾಹಿಸಲು ಇರುವ (ಒದಗಿಸಲು) ಅಗತ್ಯತೆಯ ಬಗ್ಗೆ ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ.
10. What do you mean by Euthanasia? Write down the recent interpretations laid down by the Supreme Court of India on passive euthanasia.
ದಯಾಮರಣದ ಅರ್ಥವೇನು? ಇತ್ತೀಚೆಗೆ ಭಾರತದ ಸರ್ವೋಚ್ಚ ನ್ಯಾಯಾಲಯ ನಿಷ್ಪ್ರಿಯ ದಯಾಮರಣವನ್ನು ಅರ್ಥೈಸಿದ ಬಗ್ಗೆ ಬರೆಯಿರಿ.
11. Explain any two kinds of wills.
ಯಾವುದಾದರೂ ಎರಡು ವಿಧದ ಉಯಿಲುಗಳನ್ನು ವಿವರಿಸಿರಿ.

Contd...2

12. Write a note on Public Interest Litigation.
ಸಾರ್ವಜನಿಕ ಹಿತಾಸಕ್ತಿ ಮೊಕದ್ದಮೆಯ ಬಗ್ಗೆ ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ.
13. Write down the laws relating to custody of children in Hindu and Muslim Law in India.
ಭಾರತದಲ್ಲಿ ಹಿಂದೂ ಮತ್ತು ಮುಸ್ಲಿಮ್ ಮಕ್ಕಳ ಸುಪ್ರದಿಗೆ ಸಂಬಂಧಿಸಿದಂತೆ ಇರುವ ಕಾನೂನಿಪ ಬಗ್ಗೆ ಬರೆಯಿರಿ.

SECTION - C

Answer any **TWO** from the following.

(2x10=20)

14. Explain the stages involved in the institution of civil case.
ನಾಗರಿಕ ಮೊಕದ್ದಮೆಯನ್ನು ಹಾಕಲು ಅನುಸರಿಸುವ ಹಂತಗಳನ್ನು ವಿವರಿಸಿರಿ.
15. What do mean by FIR? Explain provisions relating to filing of FIR.
ಪ್ರಥಮ ಮಾಹಿತಿ ವರದಿ ಎಂದರೇನು? ಪ್ರಥಮ ಮಾಹಿತಿ ವರದಿಯನ್ನು ಸಲ್ಲಿಸಲಿಕ್ಕೆ ಸಂಬಂಧಿಸಿದ ಷರತ್ತುಗಳನ್ನು ವಿವರಿಸಿರಿ.
16. Describe the salient features of sexual harassment at workplace (Prevention Prohibition and Redressal Act 2013).
ಉದ್ಯೋಗದ ಸ್ಥಳದಲ್ಲಿ ಲೈಂಗಿಕ ದೌರ್ಜನ್ಯದ (ತಡೆ, ನಿಷೇಧ ಮತ್ತು ನಿವಾರಣೆ) ಕಾಯಿದೆ 2013ರ ಪ್ರಮುಖವಾದ ಲಕ್ಷಣಗಳನ್ನು ಪರಿಶೀಲಿಸಿರಿ.

(2019 batch onwards)

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**St Aloysius College (Autonomous)
Mangaluru**

**B.A. Semester I – Degree Examination
October - 2019
Open Elective (Under CBCS)**

SOCIOLOGY OF SANITATION

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 ಉತ್ತರಿಸಿ.

1. What is meant by health sociology?

ಆರೋಗ್ಯ ಸಮಾಜಶಾಸ್ತ್ರ ಎಂದರೇನು?

2. Mention any two characteristics of sanitation.

ನೈರ್ಮಲ್ಯದ ಯಾವುದಾದರೂ ಎರಡು ಗುಣಲಕ್ಷಣಗಳನ್ನು ತಿಳಿಸಿ.

3. Mention any two components of Sanitation Policy in India.

ಭಾರತದಲ್ಲಿನ ನೈರ್ಮಲ್ಯ ನೀತಿಯ ಯಾವುದಾದರೂ ಎರಡು ಘಟಕಗಳನ್ನು ತಿಳಿಸಿ.

4. List any four diseases associated with poor sanitation.

ಕಳಪೆ ನೈರ್ಮಲ್ಯದಿಂದ ಬರುವ ಯಾವುದಾದರೂ ನಾಲ್ಕು ರೋಗಗಳನ್ನು ಪಟ್ಟಿ ಮಾಡಿ.

5. What are the core principles of National Urban Sanitation policy?

ರಾಷ್ಟ್ರೀಯ ನಗರ ನೈರ್ಮಲ್ಯ ನೀತಿಯ ಪ್ರಮುಖ ತತ್ವಗಳು ಯಾವುವು?

6. Mention any two objectives of the Total Sanitation campaign.

ಸಂಪೂರ್ಣ ನೈರ್ಮಲ್ಯ ಅಭಿಯಾನದ ಯಾವುದಾದರೂ ಎರಡು ಉದ್ದೇಶಗಳನ್ನು ತಿಳಿಸಿ.

7. What is meant by "bhangi"?

ಭಂಗಿ ಎಂದರೇನು?

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8. Why is health of women important?

ಮಹಿಳೆಯರ ಆರೋಗ್ಯ ಯಾಕೆ ಪ್ರಾಮುಖ್ಯವಾಗಿದೆ?

II Answer any FOUR questions in 8-10 sentences each.

(5x4=20)

ಕೆಳಗಿನ ಯಾವುದಾದರೂ ನಾಲ್ಕು ಪ್ರಶ್ನೆಗಳಿಗೆ 8-10 ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿ.

1. Discuss the Alma Ata Declaration about primary health care.

ಪ್ರಾಥಮಿಕ ಆರೋಗ್ಯ ಸಂರಕ್ಷಣೆಯ ಕುರಿತು ಅಲ್ಮಾ ಅಟಾ ಘೋಷಣೆಯನ್ನು ಚರ್ಚಿಸಿ.

2. How do social aspects of health and illness differ from medical sociology?

ಆರೋಗ್ಯ ಮತ್ತು ಅನಾರೋಗ್ಯದ ಸಾಮಾಜಿಕ ಅಂಶಗಳು ವೈದ್ಯಕೀಯ ಸಮಾಜಶಾಸ್ತ್ರದಿಂದ ಹೇಗೆ

ವ್ಯತ್ಯಾಸಗೊಂಡಿದೆ?

3. Discuss the scope of Sociology of Sanitation.

ನೈರ್ಮಲ್ಯ ಸಮಾಜಶಾಸ್ತ್ರದ ವ್ಯಾಪ್ತಿಯನ್ನು ಚರ್ಚಿಸಿ.

4. Explain the advantages of Sulabh Toilets.

ಸುಲಭ ಶೌಚಾಲಯದ ಅನುಕೂಲತೆಗಳನ್ನು ವಿವರಿಸಿ.

Contd...2

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5. Write a note on sanitation and women.
ನೈರ್ಮಲ್ಯ ಮತ್ತು ಮಹಿಳೆ ಇದರ ಕುರಿತು ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ.
6. Discuss Universal Declaration of Human Rights.
ಮಾನವ ಹಕ್ಕುಗಳ ಸಾರ್ವತ್ರಿಕ ಘೋಷಣೆಯನ್ನು ಚರ್ಚಿಸಿರಿ.

III Answer any TWO questions in 15-20 sentences each.

(10x2=20)

ಕೆಳಗಿನ ಯಾವುದಾದರೂ ಎರಡು ಪ್ರಶ್ನೆಗಳಿಗೆ 15-20 ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿರಿ.

1. Discuss the origin of Sociology of Sanitation.
ನೈರ್ಮಲ್ಯ ಸಮಾಜಶಾಸ್ತ್ರದ ಉಗಮವನ್ನು ಚರ್ಚಿಸಿರಿ.
2. Explain the key sanitation policies.
ಪ್ರಮುಖ ನೈರ್ಮಲ್ಯ ನೀತಿಗಳನ್ನು ವಿವರಿಸಿರಿ.
3. Discuss the work done by Sulabh in the past thirty years.
ಕಳೆದ ಮೂವತ್ತು ವರ್ಷಗಳಲ್ಲಿ ಸುಲಭ್ ಮಾಡಿದ ಕಾರ್ಯಗಳನ್ನು ಚರ್ಚಿಸಿರಿ.
4. Write an essay on manual scavenging in India.
ಭಾರತದಲ್ಲಿ ಹಸ್ತಚಾಲಿತ ಸ್ವಾವೆಂಜಿಂಗ್ ಕುರಿತು ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ.

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St Aloysius College (Autonomous)
Mangaluru
Semester I- Degree Examination
October - 2019

Open Elective (under CBCS)
CREATIVE AND MEDIA WRITING SKILLS

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. Non verbal Communication | ಅಮೌಖಿಕ ಸಂವಹನ |
| 2. Quotation lead | ಪ್ರಶ್ನಾರ್ಥಕ ಪ್ರಸ್ತಾವನೆ |
| 3. News value | ಸುದ್ದಿ ಮೌಲ್ಯ |
| 4. Head line | ತಲೆಬರಹ |
| 5. Inverted pyramid style | ತಲೆಕೆಳಗಾದ ಪಿರಾಮಿಡ್ |
| 6. Byline | ಬೈಲೈನ್ |
| 7. Beat | ಸರಹದ್ದು |
| 8. The Hindu | ದಿ ಹಿಂದು |
| 9. Simple lead | ಸಾಮಾನ್ಯ ಪ್ರಸ್ತಾವನೆ |
| 10. NDTV | ಎನ್ ಡಿ ಟಿವಿ |

PART- B

Write a short note on any Six of the following

(5x6=30)

ಕೆಳಕಂಡ ಯಾವುದಾದರೂ ಆರು ಪ್ರಶ್ನೆಗಳಿಗೆ ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ.

- Origin and development of communication.
ಸಂವಹನದ ಮೂಲ ಹಾಗೂ ಬೆಳವಣಿಗೆ. ST.ALOYSIUS COLLEGE LIBRARY
MANGALORE-575003
- Structure of a news story.
ಸುದ್ದಿಯ ರಚನಾಕ್ರಮ
- Feature
ನುಡಿಚಿತ್ರ
- Difference between verbal and nonverbal communication.
ಮೌಖಿಕ ಹಾಗೂ ಅಮೌಖಿಕ ಸಂವಹನದ ನಡುವೆ ಹೋಲಿಕೆ.
- Creative writing is an art.
ಸೃಜನಶೀಲ ಬರವಣಿಗೆ ಒಂದು ಕಲೆ.
- Techniques of writing for digital media.
ಡಿಜಿಟಲ್ ಬರವಣಿಗೆಯ ತಂತ್ರಗಳು
- Analytical writing
ವಿಶ್ಲೇಷಣಾತ್ಮಕ ಬರವಣಿಗೆ
- Importance of 'Listening' in communication.
ಸಂವಹನದಲ್ಲಿ 'ಆಲಿಸುವಿಕೆ'ಯ ಮಹತ್ವ

G 106.1E

(2019 Batch onwards)
Reg. No.

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St Aloysius College (Autonomous)
Mangaluru
Semester I- Degree Examination
October - 2019
Open Elective (under CBCS)
SCIENCE OF PERSONALITY

Time: 2 hrs.

Max Marks: 50

PART – A

I Answer any five from the following (5x2=10)

1. Mention three levels of consciousness according to Freud.
2. Define personality.
3. Name the deterministic systems, that influenced the theory of Erich Fromm?
4. Write any two features of histrionic personality disorder.
5. Write any three traits of narcissist.
6. Write the common feature of Borderline personality disorder.

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II Answer any FOUR from the following (2x5=10)

1. Write a note on psychosexual stages of development.
2. Write a note on Ego defense mechanisms with examples.
3. What is Narcissistic disorder? Write the salient features.
4. Write a note on the structure of personality according to Freud.
5. Discuss how the personal experiences of Victor Frankl and Erich Fromm influenced the development of their theories.

PART – B

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

6. Discuss the Victor Frankl's theory.

OR

Explain ways in which individuals escape freedom according to Erich Fromm.

7. Explain the symptoms of Borderline personality disorder

OR

Discuss the characteristics of histrionic personality disorder.

(2019 batch onwards)

G 110.1E / G 512.1E

Reg. No.:

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St Aloysius College (Autonomous)

Mangaluru

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

October- 2019

Open Elective (Under CBCS)

TRADITIONAL ANIMATION

Time: 2 hrs.

Max Marks: 50

SECTION - A

Answer any FIVE from the following.

(5x2=10)

- What is dragon frame?
- Define Animation.
- What do you mean by rotoscoping?
- Explain limited animation.
- Describe Thaumatrope.
- What are acetate sheets?
- What is pencil test animations?

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SECTION - B

Answer any FOUR from the following.

(4x5=20)

- Write a note on animate CC.
- What is clay animation? Explain.
- Explain the early animation devices.
- What is the color correction process in animation films?
- Discuss cutout animation.

SECTION - C

Answer any TWO from the following.

(2x10=20)

- Describe the principles of animation briefly.
- Write the types of animations in detail.
- Discuss the process of 2D film production.

G 111.1E

(2019 Batch onwards)

Reg. No:

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St Aloysius College (Autonomous)
Mangaluru
B.A. Semester I – Degree Examination
October - 2019
Open Elective (Under CBCS)
LIFE SKILLS

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. What is meant by Altruism?
ಪರಹಿತಚಿಂತನೆ ಎಂದರೇನು?
2. Mention any two types of Social skill.
ಸಾಮಾಜಿಕ ಕೌಶಲ್ಯದ ಯಾವುದಾದರೂ ಎರಡು ವಿಧಗಳನ್ನು ನಮೂದಿಸಿ.
3. What is meant by Creative thinking?
ಸೃಜನಶೀಲ ಚಿಂತನೆ ಎಂದರೇನು?
4. Mention any two types of Emotions.
ಭಾವನೆಯ ಯಾವುದಾದರೂ ಎರಡು ವಿಧಗಳನ್ನು ನಮೂದಿಸಿ.
5. Specify any two needs for Decision making.
ತೀರ್ಮಾನ ಮಾಡುವಿಕೆಯ ಯಾವುದಾದರೂ ಎರಡು ಅಗತ್ಯತೆಗಳನ್ನು ಸೂಚಿಸಿ.
6. What is meant by 'Conflict management'?
'ಸಂಘರ್ಷ ನಿರ್ವಹಣೆ' ಎಂದರೇನು?

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PART B

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

1. Explain the process of Interpersonal relationships.
ಪರಸ್ಪರ ಸಂಬಂಧದ ಪ್ರಕ್ರಿಯೆಯನ್ನು ವಿವರಿಸಿ.
2. Briefly discuss the functions of Effective communication.
ಪರಿಣಾಮಕಾರಿ ಸಂವಹನದ ಕಾರ್ಯಗಳನ್ನು ಸಂಕ್ಷಿಪ್ತವಾಗಿ ಚರ್ಚಿಸಿ.
3. Explain in brief the steps in Problem solving.
ಸಮಸ್ಯೆ ಪರಿಹರಿಸುವ ಹಂತಗಳನ್ನು ಸಂಕ್ಷಿಪ್ತವಾಗಿ ವಿವರಿಸಿ.
4. Write a short note on 'Conflict management'.
'ಸಂಘರ್ಷ ನಿರ್ವಹಣೆ'ಯ ಬಗ್ಗೆ ಒಂದು ಕಿರು ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ.
5. Elucidate the process of Decision making.
ತೀರ್ಮಾನ ಮಾಡುವಿಕೆಯ ಪ್ರಕ್ರಿಯೆಯನ್ನು ವಿವರಿಸಿ.

PART C

III Answer any TWO questions in 15-20 sentences each. (10x2=20)
 ಕೆಳಗಿನ ಯಾವುದಾದರೂ ಎರಡು ಪ್ರಶ್ನೆಗಳಿಗೆ 15-20 ವಾಕ್ಯಗಳಲ್ಲಿ ಉತ್ತರಿಸಿರಿ.

1. Discuss Johari Window as a technique of self awareness.
ಸ್ವಯಂ ಅರಿವಿನ ತಂತ್ರವಾಗಿ ಜೋಹಾರಿ ವಿಂಡೋವನ್ನು ಚರ್ಚಿಸಿ.
2. Explain the stages of Creative and Critical thinking.
ಸೃಜನಶೀಲ ಮತ್ತು ವಿಮರ್ಶಾತ್ಮಕ ಚಿಂತನೆಯ ಹಂತಗಳನ್ನು ವಿವರಿಸಿ.
3. Explain the various coping mechanisms used in handling various emotions with suitable examples.
ವಿವಿಧ ಭಾವನೆಗಳನ್ನು ನಿರ್ವಹಿಸಲು ಬಳಸುವ ವಿವಿಧ ನಿಭಾಯಿಸುವ ಕಾರ್ಯವಿಧಾನಗಳನ್ನು ಸೂಕ್ತ ಉದಾಹರಣೆಗಳೊಂದಿಗೆ ವಿವರಿಸಿ.

G 135.1E

(2019 Batch onwards)

Reg. No:

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**St Aloysius College (Autonomous)
Mangaluru**

B.A. Semester I – Degree Examination

October - 2019

Open Elective (Under CBCS)

A BRIEF HISTORY OF IDEAS

Time: 2 Hours

Max. Marks: 50

UNIT I

I Answer the following in a word/ phrase or a sentence each. (10x1=10)

1. Who was referred to as " the little minister" and "Jesus in the Temple" by his schoolmates?
2. The oracle of Delphi proclaimed at Aristotle was the wisest Greek. True/ False.
3. Who introduced Voltaire to the French Literate?
4. The ideas of Enlightenment strengthened the authority of the monarch and the church. True/ False.
5. If you look at a map of Europe you will observe that Greece is not a skeleton band stretching its crooked fingers out into the Mediterranean Sea- True/ False.
6. Voltaire's work _____ gave the French public a panoramic view of English.
7. Alexander the great was a student of Aristotle. True/ False.
8. Nietzsche observed that Schlecht is a word that means 'bad' which is applied by the upper class about the class to mean _____.
9. _____ gave philosophy to mankind and _____ gave it to science.
10. What happens if one does not look onto/ take help from old laws?

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UNIT II

II Answer any FOUR of the following in 100-150 words each. (4x5=20)

1. Voltaire writes "that in order of things, one nail drives out another; so goes the world". In what context does Voltaire tell this?
2. How was Greek science before Aristotle?
3. Write short notes on 'The Essay on Morals.'
4. Write short notes on 'Aristotle's school.'
5. Write short notes on 'letters on the English' by Voltaire.
6. Write short notes on Aristotle's 'views on marriage.'

UNIT III

III Answer any TWO of the following in 200-250 words each. (2x10=20)

1. 'Voltaire got into many controversies during his time, leading to many sentences of imprisonment.' Elaborate.
2. Who is Socrates? Why and how was he executed?
3. Give a brief description of the Greek map in the context of Plato.

G 306.1E

Reg. No.:

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**St Aloysius College (Autonomous)
Mangaluru**

**B.Com. Semester I- Degree Examination
October- 2019
Open Elective (Under CBCS)
HUMAN RESOURCE MANAGEMENT – I**

Time: 2 hrs.

Max Marks: 50

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

1. List out any four objectives of Human Resource Management.
2. State any four responsibilities of an H.R. Manager.
3. Give the meaning of Human Resource Policies.
4. What do you mean by Selection?
5. State any four objectives of training.
6. Give the meaning of Job Description.
7. What is Job Evaluation?

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

8. Explain the functions of Human Resource Management.
9. Write a note on manpower planning.
10. Write a note on selection process.
11. Explain the various steps in Interview process.
12. List out the problems in Job Analysis.
13. What are the characteristics of a good job description?

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

14. Explain the various steps involved in formulation of Human Resource Policy stating the essentials of a sound Human Resource Policy.
15. Explain the various methods of training.
16. Explain the process of Job Evaluation.

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St Aloysius College (Autonomous)

Mangaluru

B.Com. Semester I- Degree Examination

October- 2019

Open Elective (Under CBCS)

SHIPPING AND PORT MANAGEMENT - I

Time: 2 hrs.

Max Marks: 50

SECTION - A

Answer any **FIVE** from the following.

(5x2=10)

1. What do you mean by shipping industry?
2. Mention different types of containers.
3. What do you mean by closed conference system?
4. Who is a liner in marine shipping?
5. What do you mean by ICD?
6. Who is a surveyor in a shipping company?
7. Mention any two constraints of containerization.

SECTION - B

Answer any **FOUR** from the following.

(4x5=20)

8. "Shipping agents are the strong link between the exporter and importer". Explain.
9. Mention the role of stevedores in Shipping International Institute of Marine survey.
10. State the major problems faced by Inland Container Depots.
11. Mention the characteristics of Shipping Industry.
12. "The crewing department is beating heart of shipping organization". Explain
13. State the main functions of shipping management.

SECTION - C

Answer any **TWO** from the following.

(2x10=20)

14. "The prospects of Ship building industry depends upon its ability to respond its problems" Critically evaluate.
15. Explain the structure and practice of shipping freight rate.
16. Explain the role played by commercial, technical and operational departments in the organization of a shipping company.

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12

St Aloysius College (Autonomous)
Mangaluru

B.Com. Semester I- Degree Examination

October- 2019

Open Elective (Under CBCS)

FUNDAMENTALS OF GST

Time: 2 hrs.

Max Marks: 50

SECTION - A

Answer any FIVE from the following.

(5x2=10)

1. Mention any two 'Related Persons' as defined under GST.
2. Define 'Aggregate Turnover'.
3. Who are 'Associated Enterprises' under GST Act?
4. Distinguish between Exempt supply and zero rated supply.
5. Which goods are excluded from GST?
6. What is meant by 'Input Tax Credit'?
7. Identify the Principal supply in the following composite supply:
 - a) Servicing of a car and changing the oil
 - b) Supply and installation of AC in the building

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SECTION - B

Answer any FOUR from the following.

(4x5=20)

8. Which are the activities that should not be treated as 'Supply' under Schedule III?
9. What is meant by 'Location of Supplier of Services'?
10. Write any five features of GST.
11. What are the objectives of GST?
12. Calculate Aggregate turnover from the following information:
 - a) Nil rated supply inter-state ₹35,00,000
 - b) Taxable Inter-state Supply ₹15,00,000
 - c) Export to USA ₹50,00,000
 - d) Exempt supply ₹3,00,000
 - e) Supply to SEZ Developer ₹20,00,000
13. Classify the following into Composite or Mixed supply:
 - a) Supply of Camera with a charger
 - b) Supply of Refrigerator with Storing bowls
 - c) Supply of oil in a can
 - d) Supply of Laptop with a carry bag
 - e) Supply of bucket, mug and soap at one price

Contd...2

G 311.1E

SECTION - C

(2x10=20)

Answer any **TWO** from the following.

14. Briefly explain the structure and the powers of GST Council.
15. Explain the benefits of GST.
16. From the following information supplied by Mr. Akbar, a taxable person supplying goods and services in Hyderabad, Calculate the taxable turnover under CGST/SGST and IGST.
 - a) Rendered services to Udupi ₹15,00,000
 - b) Supply of goods to SEZ in Surat ₹20,00,000
 - c) Exports of goods to Japan ₹35,00,000
 - d) Services rendered to Chennai ₹25,00,000
 - e) Services rendered to Diplomatic mission in Chennai ₹15,00,000
 - f) Supply of goods to SEZ unit in Telangana ₹40,00,000
 - g) Supply of goods to a job worker for processing ₹25,00,000
 - h) Branch transfer to Mangalore ₹20,00,000
 - i) Stock transfer to the second branch in Hyderabad ₹10,00,000
 - j) IGST, SGST and CGST collected ₹6,00,000

St Aloysius College (Autonomous)
Mangaluru
 B.Com. Semester I- Degree Examination
 October- 2019
 Open Elective (Under CBCS)

LOGICAL REASONING

Time: 2 hrs.

Max Marks: 50

SECTION – A

Answer any **FIVE** from the following.

(5x2=10)

1. In a certain language MADRAS is coded NBESBT, how DELHI is coded in that code?
2. Find odd man out of the following. 10,14,16,18,23,24,26.
3. Vijay says, "Ananda's mother is the only daughter of my mother". How is Ananda related to Vijay?
4. Explain the series and find the missing numbers:
1, 5, 14, 30, 55, 91, _____, _____
5. You go North, turn right, then right again and then go to the left. In which direction are you now facing?
6. Five boys A,B,C,D and E are sitting in a row A is sitting to the right of B and E is to the left of B but to the right of C . A is to the left of D. Who is second from the left end?
7. A is B's brother .C is A's mother .D is C's father, E is B's son. How is D related to A?

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SECTION – B

Answer any **FOUR** from the following.

(4x5=20)

- 8.a) A driver left his village and drove North for 20 km, after which he stopped for breakfast .Then he turned left and drove another 30 km, when he stopped for lunch. After some rest, he again turned left and drove 20 km before stopping for evening tea .Once more he turned left and drove 30 km to reach the town where he had supper. After evening tea in which direction did he drive?
- b) Preethi has a son named Arun. Ram is Preethi's brother. Neeta too has a daughter named Reema. Neeta is Ram's sister. What is Arun's relationship to Reema?
- 9.a) Raju facing North and moves 20 km , then he turned to his right and moves 20 km and then he moves 10 km in North east, then he turned to his right and moves 20 km and then he turned to his right and moves 20 km and again he turned to his left and moves 20 km. Now in which direction Raju is facing?
- b) Ravi's father has a son Rohit who has an aunt Laxmi who has a husband named Rao whose father-in-law is Mohan. What is the relation of Mohan to Ravi?
- 10.a) Deepa starts walking north towards and after a while she turns to her right. After walking some distance, she turns to her left and walks a distance of 1 km. She then turns to her left again. In which direction she is moving now?
- b) State whether the conclusion is valid or invalid:

Statement : All lotus are flowers
 No lily is a lotus

Conclusions : No lily is a flower

Contd...2

- 11.a) Suresh's sister is the wife of Ram. Ram is Rani's brother. Ram's father is Madhur. Sheetal is Ram's grandmother. Rema is Sheetal's daughter-in-law. Rohit is Rani's brother's son. Who is Rohit to Suresh?
- b) State whether the conclusion is valid or invalid.
- Statement** : Some cats are cows
All cows are horses
- Conclusions** : Some horses are cats
Some cats are horses
- 12.a) Five senior citizens are living in a multi-storeyed building. Mr Muan lives in a flat above Mr. Ashokan, Mr. Lokesh in a flat below Mr.Gaurav, Mr.Ashokan lives in a flat above Mr.Gaurav and Mr.Rakesh lives in a flat below Mr Lokesh. Who lives in the topmost flat?
- b) If in a certain code "MORNING" is coded as "LPQOHOF". Then, how is "AFTERNOON" coded in that language?
- 13.a) One morning Amit and Sumit were talking to each other face to face. Amit's shadow was falling on Sumit. In which direction Sumit was facing?
- b) X and Y are brothers. R is the father of Y. S is the brother of T and maternal uncle of X. What is T to R?

SECTION - C

Answer any **TWO** from the following.

(2x10=20)

14. Each of the following questions contains two statements followed by two conclusions numbered I and II. You have to consider the two statements to be true, even if they seem to be at variance at the commonly known facts. You have to decide which of the given conclusions definitely follows from the given statements.

Give answer (a) if only I follows; (b) if only conclusion II follows;
(c) if either I or II follows; (d) if neither I or II follows and
(e) if both I and II follows.

- (a) **Statement** : Some Chairs are glasses.
All trees are Chairs.
Conclusions : I . Some trees are glasses.
II. Some glasses are trees.
- (b) **Statement** : No man is lion.
Ram is a man.
Conclusions : I . Ram is not a lion.
II. All men are not Ram.
- (c) **Statement** : All boys are fathers.
All fathers are Mothers.
Conclusions : I . All Fathers are boys.
II. All boys are Mothers.
- (d) **Statement** : All pens are cups.
All cups are bowls.
Conclusions : I . All pens are bowls.
II. All cups are pens.
- (e) **Statement** : All pens are dogs.
Some pens are lights.
Conclusions : I . Some dogs are light.
II. Some lights are not lights.

Contd...3

15. Find the missing number.

a) 4832,5840,6848,7856,_____.

b) 120,80,40,45,_____,5.

c) 165,195,255,285,_____,375.

d) Eight persons P to W are sitting in front of each other in two rows. Each row has four persons. P is between U and V and facing north. Q, who is to the immediate left of S is facing W. R is between T and S. W is to the immediate right of V.

i) Who is sitting in front of R?

ii) Who is to the immediate right of R?

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16. Study the following information carefully to answer the given questions: Ten students from A to J are sitting in a row facing west.

I. B and F are not sitting on either of the edges

II. G is sitting left to D and H is sitting right to J

III. There are four persons between E and A

IV. I is the north of B and F is the south of D

V. J is between A and D and G is in between E and F

VI. There are two persons between H and C

Answer the following Questions:

(a). Who is sitting at the seventh place counting from left?

(b). Who is definitely sitting at one of the ends?

(c) Who is sitting second left of D?

(d) If G and A interchange their positions, then who becomes the immediate neighbour of E?

G 406.1E

(2019 Batch Onwards)

Reg. No.

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St Aloysius College (Autonomous)**Mangaluru****B.B.A. - Semester I- Degree Examination****October - 2019****Open Elective (Under CBCS)****INSURANCE MANAGEMENT****Time: 2 hrs.****Max Marks: 50****SECTION - A**

1. Answer any **TEN** of the following questions in two or three sentences each. (10x2=20)
- Expand IRDA.
 - What do you mean by automobile insurance?
 - What is Re-insurance?
 - What is privatization of insurance?
 - What is underwriting?
 - What do you mean by an Insurance Rider?
 - Who is an assurer?
 - State any two life insurance products.
 - What do you mean by Indemnity?
 - State one principle which is not applicable to life insurance. Justify your answer.
 - State any two needs for information technology in insurance.
 - What do you mean by general insurance?

SECTION - B

2. Answer any **FOUR** of the following questions in not less than one page each. (4x5=20)
- Explain the important features of life insurance.
 - List out the important provisions of IRDA.
 - Give a brief note of the procedure of issue of a life insurance policy.
 - Explain in brief any two types of general insurance.
 - Explain the historical framework of general insurance contract.
 - What is the claim procedure in life insurance? Explain.

SECTION - C

3. Answer any **ONE** question in not less than two pages each. (1x10=10)
- What is life insurance? Explain its benefits. What are the contractual provisions of a life insurance contract?
 - State the meaning of insurance. Explain the principles of insurance.
 - Apples were imported from India to Japan. On the way the ship has operating problems. The captain stops the ship in Sri Lanka and gets the apples transferred to another ship in order to deliver on time. Apples reach Japan on time but are damaged due to loading and unloading of the apples. Will the company be able to recover the loss from the insurance company?

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St Aloysius College (Autonomous)
Mangaluru

B.B.A. - Semester I- Degree Examination
October - 2019

Open Elective (Under CBCS)
COMPUTER APPLICATION IN BUSINESS

Time: 2 hrs.

Max Marks: 50

SECTION - A

1. Answer any **TEN** of the following questions in two or three sentences each. (10x2=20)
- Give the meaning of E-Commerce.
 - How can you replace a text in a word document?
 - What is cell reference in MS-Excel?
 - Write steps to create a pivot table
 - How do you Format the Text in MS-Word?
 - What is the usage of SUMIF function in MS-Excel?
 - What do you mean by template in MS-Excel?
 - What are the uses of Forms in MS -Access?
 - What do you mean by digital signature?
 - What is encryption?
 - What is a credit card?
 - State any two advantages of ERP.

SECTION - B

2. Answer any **FOUR** of the following questions in not less than one page each. (4x5=20)
- Explain the advantages and disadvantages of E-Commerce.
 - What is a cybercrime? Explain different types of cybercrimes.
 - Write the procedure for mail merge in MS- Word.
 - What is a chart? Explain different types of charts available in MS- Excel.
 - Explain the use of conditional logic functions in MS-Excel.
 - Explain how Form Wizard is helpful in using MS-Access?

SECTION - C

3. Answer any **ONE** question in not less than two pages each. (1x10=10)
- Explain the major types of e-commerce models.
 - Explain in detail about SET protocol.
 - The following are the salaries of five employees

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Pay Roll No.	Name	Salary Rs.	Part time Rs.	Arrears
1011	Prasanna	10000	900	1800
1012	Anitha	14000	800	1600
1013	Ravi	18000	700	1700
1014	Saritha	15000	600	1600
1015	Arun	17000	500	1800

Mention the steps in Conditional Formatting (in MS-Excel) to list out the employees who have got -

- Less than Rs. 15000 as salary
- More than Rs. 700 as Part time
- Between Rs. 1600 and Rs. 1800 as Arrears.
- Count of the employees drawing salary more than or equal to Rs.15000
- List out employees having salary more than Rs.15000 and arrears more than or equal to Rs.1600

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**St Aloysius College (Autonomous)
Mangaluru**

B.B.A. - Semester I- Degree Examination

October - 2019

Open Elective (Under CBCS)

PERSONALITY DEVELOPMENT

Time: 2 hrs.

Max Marks: 50

SECTION - A

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

- What do you mean by the term 'personology'?
- What are Ectomorphs?
- What is foot dexterity?
- State any four examples of positive attitude?
- Give the meaning of cognitive response.
- What do you mean by SWOT analysis grid?
- What do you mean by co-opting approach?
- What do you mean by Anti-social personality?
- What is chronic stress?
- What do you mean by Eustress?
- Who are Mesomorphs?
- What is disaster-oriented personality?

SECTION - B

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

- Explain the sources of stress.
- Explain the various methods to control anger?
- Explain the process of knowing yourself.
- How to overcome negative attitude?
- Explain in detail different types of personality.
- Explain the various causes and symptoms of teenage stress.

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SECTION - C

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

- Explain in detail the pattern of change in growth of personality in adolescent.
- Explain the different ways of changing attitude in a person and also explain the attitude of a person in work place.
- Case Study:**

A National Health Service development programme for unit general managers includes a budget for each individual to spend - as he or she wishes - on personal development. This can be spent on courses, seminars or books or on 'buying in' a coach or instructor, or visiting other organizations to observe their methods - whatever. This approach empowers would be learners and encourages creative thinking about development needs and opportunities.

Questions:

- Why might an organization wish to give control of development agenda to the individual employees?
- What might the drawbacks be? Who controls your learning objectives and opportunities?

(2019 Batch Onwards)

G 501.1E

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St Aloysius College (Autonomous)
Mangaluru
B.Sc. - Semester I- Degree Examination
October- 2019
Open Elective (Under CBCS)
ELECTRICAL CIRCUITS AND NETWORK SKILLS

Time: 2 hrs.

Max Marks: 50

PART - A

- I. Answer any FIVE of the following. (2x5=10)**
1. What is an ideal ammeter and an ideal voltmeter?
 2. What is the significance of power rating of a resistor?
 3. Give the principle of working of a transformer.
 4. What are solid state relays? Give an example.
 5. What is a ring circuit in electrical wiring?
 6. Draw the schematic of 3 phase delta connection.

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PART - B

- II. Answer any THREE of the following. (10x3=30)**
1. a) Explain the working of (i) a half wave rectifier and (ii) a full wave bridge rectifier with appropriate circuit diagrams. (6)
 - b) Define the following terms for an AC.
 - i) Frequency
 - ii) Amplitude
 - iii) period
 - iv) phase
 2. a) i) Explain briefly the principle behind the working of a DC generator. (4)
 - ii) What is meant by current-rating of a fuse? Give its significance. (6)
 - b) Explain the construction and working of an electrochemical relay. (4)
 3. a) Describe the various types of cables used in electrical circuits. (6)
 - b) Explain the schematic of an extension board. (4)
 4. a) i) Explain the following.
 - a) Light Emitting Diode
 - b) Zener diode
 - ii) Explain with an example, how ladder diagrams are implemented in an electrical circuit. (6)
 - b) Explain the schematic of an extension board. (4)
 5. a) i) Distinguish between real and reactive power.
 - ii) What is meant by power factor? Explain power factor correction and its need in power transmission and distribution. (6)
 - b) If a 1000 watt appliance is connected to 230 volt line, what is the rating for the fuse in the electrical line? (4)

PART - C

- III. Answer any TWO of the following. (5x2=10)**
1. A 100 watt, 230volt bulb is connected across a single phase AC of 230V, 50Hz. The total resistance of the wiring is 15 Ω. Calculate the load current and power loss in the wire.

Contd...2

G 501.1E

2. A resistor of $10\ \Omega$ and a capacitor of $150\ \mu F$ are connected in series across a $100V$, $50Hz$ supply. Calculate the total circuit impedance and circuit current.
3. Two resistance coils of $100\ \Omega$ and $200\ \Omega$ respectively are in series across a $100V$ source. A moving coil voltmeter of internal resistance $200\ \Omega$ is connected in turn across each coil. What will it read in each case?
4. Three resistors of resistances $3\ \Omega$, $6\ \Omega$ & $9\ \Omega$ respectively are connected in parallel. The combination is in series with another resistor of resistance $2\ \Omega$ and a cell of emf $2V$ and of negligible internal resistance. Calculate the current through the $6\ \Omega$ resistor and power dissipated in it.

G 502.1E

(2019 Batch Onwards)

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**St Aloysius College (Autonomous)
Mangaluru**

B.Sc. - Semester I- Degree Examination

October-2019

Open Elective (Under CBCS)

ESSENTIALS OF PRACTICAL CHEMISTRY

Time: 2 hrs.

Max Marks: 50

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

PART- A

1. Answer any **FIVE** of the following questions in 1-3 sentences. (2x5=10)
 - a. What is the use of desiccator in the laboratory?
 - b. During the detection of nitrogen by Lassaigne's test, if sulphur is present blood red colour is obtained. Why?
 - c. Differentiate between wet and dry tests.
 - d. Precipitates in gravimetry are subjected to drying or igniting. Why?
 - e. Write an equation for the pH of a buffer solution made up of weak acid and its salt.
 - f. What is the role of KOH solution in Liebig's method?

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PART - B

2. Answer any **FIVE** of the following questions in 2-5 sentences. (3x5=15)
 - i) Explain Baeyer's test for the detection of unsaturation.
 - ii) How is Tollen's reagent prepared?
 - iii) Explain Brown ring test.
 - iv) What is meant by calibration? What is its importance?
 - v) Calculate the H^+ ion concentration in mol/litre of a solution whose pH is 4.2.
 - vi) With an example, explain common ion effect.

PART - C

Answer any FIVE of the following questions. (5x5=25)

3. Why is chemical safety important? Give a brief note on safe use of chemicals.
4. Explain the techniques of recrystallisation for purification of solids.
5. Write the tests for the detection of carboxylic acids.
6. Explain the process and significance of washing precipitates in gravimetry.
7. Explain the factors affecting solubility of salts.
8. Describe the principle and calculation involved in the estimation of carbon and hydrogen in an organic compound by Liebig's method.

19(a)

(2019 batch onwards)

503.1 E

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St Aloysius College (Autonomous)
Mangaluru
Semester I- Degree Examination
October- 2019
Open Elective (Under CBCS)
FUNCTIONS AND APPLICATIONS

Time: 2 hrs.

Max Marks: 50

PART- A

Answer any **FIVE** from the following.

(5x2=10)

1. Mention any four variables that influence the demand of a good.
2. Define 'substitute' goods' and 'complementary goods'.
3. If two points on a linear supply relation are (45000, Rs 25) and (75,000, Rs 50), find the supply equation.
4. Define 'break even point'.
5. Explain the term 'maximization of revenue'.
6. Show that for a competitive market with linear demand and supply functions, the imposition of a specific tax increases the demand price by less than the tax rate.
7. Show that for the inverse supply function $P = a + bx$ $b > 0$, the supply is elastic if $a > 0$, inelastic if $a < 0$, and unitary if $a = 0$.
8. Find the elasticity of demand of the function, $x = 100 - 5p$ at $p = 10$.

PART - B

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UNIT I

Answer any **TWO** from the following.

(2x5=10)

1. There are 100 rooms in a tourist lodge. When the rent per room per day is ₹ 300, all the rooms are occupied. However for each ₹ 15 increase in rent, one room remains vacant. Find the total revenue of the owner and show that it is a parabola. Find the coordinates of the vertex and interpret them.
2. The demand equation of a commodity is given by $p = 40 - 2x$ and the total cost of producing x units is $TC = x^2 + 20x + 25$ when p is price and x denotes thousand units. Find the level of output to make sure that the business breaks even.
3. If a company spends ₹ 4,000 per month on advertisement, it sells 15,000 items per month. If it spends ₹ 6,000 on advertisement, it sells 20,000 items per month. Assuming the relation between advertisement cost and number of items sold to be linear, estimate the number of items it would sell with monthly expenditure of a) ₹ 3,500 b) ₹ 5,000 c) ₹ 10,000 d) ₹ 0 on advertisement.

Contd...2

G 503.1 E

(1x10=10)

Answer any **ONE** of the following.

- 4.a) The monthly demand of a commodity is given by $x = 84 - 2p$ where x denotes the quantity demanded and p is the price. If total cost of producing x units is $TC = 500 + 2x$, what should be the price to guarantee that the firm gets profit every month?
- b) The demand of a commodity is $x = 410 - 2p - p^2$ where x denotes the quantity demanded and p is the price per unit. If the suppliers are willing to sell 167 units when price is ₹ 16 but only 95 units when price falls to ₹ 10 per unit
- Find the supply equation assuming that it is linear
 - Find Equilibrium price and quantity
 - What should the government subsidy per unit so that the demand increases by 31 units?
5. a) The demand and supply functions of a commodity are $x_d = 20000 - 25p - p^2 + 3y$ and $x_s = 325p + 125$ respectively. Where y denote average income of the consumer.
- Find the equilibrium price and quantity when $y = 4,000$
 - If the government wants to restrict the equilibrium quantity at 19946 units, what tax/unit must be charged?
- b) If the demand of a commodity is given by $x = 150 - 5p$, show that the total revenue curve is a parabola. Locate vertex, focus and equation of directrix. By drawing a graph of a parabola, find the level of output where total revenue is maximum.

UNIT II

Answer any **TWO** from the following.

(2x5=10)

- The supply of a certain good is given by $x = a\sqrt{p-b}$, where $p > b$ is the price and a and b are positive constants. Find an expression for η_s , the elasticity of supply, as a function of price. Show that η_s decreases as price increases and becomes unity when $p = 2b$.
- A firm finds that quantity demanded and supplied are 4 units when market price is ₹ 9 per unit. It is known that the demand becomes zero if the price increases to 15 per unit and the firm is not willing to supply if price reduces to ₹ 3 per unit. Determine the price elasticities of demand and supply at the equilibrium point, assuming both the demand and the supply relation as linear.
- The inverse demand and supply of a commodity in a perfectly competitive market are given by $p = f(x)$ and $p = g(x)$ where $f'(x) < 0$ and $g'(x) > 0$. If a specified tax of ₹ t per unit is imposed show that equilibrium output decreases as tax rate t increases.

Contd...3

Answer any ONE of the following.

(1x10=10)

4. a) A travel agency has a bus that visits Agra city every day. From the past experience the agency has estimated that if the fare charged is ₹ 120, all the 60 seats are occupied but for every increase of ₹ 10 in fare, four seats become vacant. What fare should the agency charge in order that it gets the maximum revenue? Also find the number of seats occupied at this fare. (6)
- b) If the demand law is $x = \alpha e^{-\beta p}$ ($\alpha, \beta > 0$) express marginal revenue as a function of x . At what levels of output and price the total revenue is maximum? Also find maximum total revenue. (4)
5. a) A plant produces x tons of steel per week at a total cost of ₹ $\frac{1}{10}x^3 - 3x^2 + 50x + 300$. If the market price is fixed at ₹ $33\frac{1}{3}$ find the profit maximizing output of the plant and the maximum profit. Will the firm continue production? (4)
- b) The inverse demand and supply function of a commodity in a perfectly competitive market are given by $P = \beta - \alpha x$ and $P = b + ax$, $a, b, \alpha, \beta > 0$ and $\beta > b$. Find equilibrium values of P and x . If the government imposes a specific tax @ ₹ t per unit, find post-tax, equilibrium values and also find values of t for maximum tax revenue. (6)

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G 504.1 E

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St Aloysius College (Autonomous)

Mangaluru

B.Sc. Semester I – Degree Examination

October -2019

**Open Elective (Under CBCS)
Electronic Devices and Applications**

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 FIVE questions:

(5x2=10)

- i) Name any two measuring instruments used in Electronics.
- ii) Write the colour code for the resistor
 - a) $5.6\Omega \pm 5\%$ b) $47\Omega \pm 10\%$
- iii) Write the circuit symbol of
 - a) Variable resistor b) capacitor
- iv) State Ohm's Law. Give the mathematical form of Ohm's Law.
- v) Mention the rules of binary subtraction.
- vi) Mention any two differences between BJT and FET.
- vii) Draw the circuit symbol of OR gate and write its truth table.

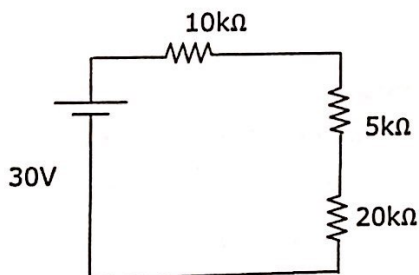
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SECTION – B

II. Answer any FOUR questions.

(4x5=20)

- i) Explain the different applications of Electronic devices.
- ii) Calculate the current through 20kΩ resistor and also find voltage across it in the following circuit.



- iii) Write a note on resistors.
- iv) Which gates are used as universal gates? Realize AND and OR gates using any universal gates.
- v) Write a note on Transformers.
- vi) Obtain the truth table for the Boolean function $F(A,B,C) = ABC + AB\bar{C} + A\bar{B}C$ and also realize the function using basic gates.

Contd...2

SECTION - C

III. Answer any TWO full questions.

(10x2=20)

1. a) Write a note on alternating and direct current.
b) Perform the following binary arithmetics
i) $1101+1100$ ii) 1110×111
iii) $1001 \div 10$. iv) $1110-1000$ (5+5)

2. a) Explain the different branches of Electronics.
b) With necessary diagrams explain the construction and working of an n-channel JFET. (5+5)

3. a) Write a note on Electronic devices.
b) What is meant by truth table? Write the truth table of AND gate. Draw the timing diagram for the binary no (101100). (5+5)

4. a) With necessary diagrams explain the action of an n-p-n transistor.
b) Write a note on various physical parameters used in Electronics. (5+5)

(2019 Batch Onwards)

G 505.1E

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St Aloysius College (Autonomous)**Mangaluru****B.Sc. - Semester I- Degree Examination****October- 2019****Open Elective (Under CBCS)****COMPUTER SYSTEM ARCHITECTURE****Time: 2 hrs.****Max Marks: 50****PART - A****I Answer any FIVE of the following questions in 2-3 sentences each. (5x2=10)**

1. What are the two types of control organizations?
2. Mention the two registers used for I/O purpose.
3. What are interrupts? List any two interrupts.
4. Name the different types of instructions.
5. What is stack? Mention the different operations of stack.
6. Differentiate between isolated I/O and memory mapped I/O.
7. What is a machine language program?

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PART - B**II Answer any FOUR of the following questions. (4x5=20)**

1. Mention and explain the different steps of instruction cycle.
2. Explain register and register indirect addressing modes with examples.
3. Write a note on different types of instruction formats.
4. With necessary diagram, explain memory stack.
5. Explain any five Arithmetic Microoperations.

PART- C**III Answer any TWO of the following questions. (2x10=20)**

1. With block diagram explain the different computer register and memory.
2. Explain with block diagram input-output configuration of a computer.
3. Explain the different modes of data transfer.

(2019 Batch onwards)

G 506.1E

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St Aloysius College (Autonomous)**Mangaluru****B.Sc. Semester I – Degree Examination****October - 2019****Open Elective (Under CBCS)****APPLIED STATISTICS**

Time: 2 hrs.

Max Marks: 50

PART – A**I. Answer any FIVE of the following. (5x2=10)**

- State any two uses of vital statistics.
- In a population of 2,43,400 individuals in a year there were 6800 births. Find Crude Birth Rate.
- What do you understand by price relatives and quantity relatives?
- For a data, Price Index Number due to Laspeyer is 118.04 and Price Index number due to Paasche's is 119.18. What is Fisher's Price Index Number?
- What do you mean by Time series data? Give one example.
- What are the demerits of moving average method of fitting a trend?
- What are the normal equations for fitting a quadratic trend?

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

- What are the methods of collection of vital statistics? Explain.
- For the following data compute consumers price index number for 2018 taking 2015 as base year.

Group	Food	clothing	Fuel & light	Rent	Miscellaneous
Group Index	180	140	160	400	160
Group weight	30	6	8	11	12

- Compute 3 yearly moving averages for the following data.

Year	2010	2011	2012	2013	2014	2015	2016	2017	2018
Value	100	102	104	101	106	103	101	100	102

- Mention the steps involved in the construction of an index number. Explain any one of the steps.

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- For the following data fit a linear trend.

Year	2002	2004	2006	2008	2010
Population (1 lakh)	30	42	76	82	40

- Compare Crude Death Rate and Standardized Death Rate for the following data.

Age (in years)	Population	Death	Standard population
Under 10	20,000	600	19,000
10-19	10,000	240	17,000
20-39	50,000	1250	28,000
40-59	30,000	1050	20,000
60 and above	10,000	500	11,000

Contd...2

G 506.1E

PART - C

(2x10=20)

III. Answer any TWO of the following.

14. The following table gives the estimated survivals of cats in a certain locality in 2015. Construct a life table.

Age (years)	0	1	2	3	4	5	6
Survivals	100	73	64	54	21	2	0

Estimate : i) Longevity of a cat

ii) Probability that a one year old cat survives till age 2

iii) Life expectancy of a cat aged 3 years

15. For the following data compute Fisher's Index Number.

Commodity	Base year		Current year	
	Price	Expenditure	Price	Expenditure
A	6	300	10	560
B	2	200	2	240
C	4	240	6	360
D	10	300	12	288

16. a) Explain different components of time series with an example.
b) Apply method of semi averages for determining trend of the following data and estimate the value for 2017.

Years	2010	2011	2012	2013	2014	2015
Sales (thousand units)	20	24	22	30	28	32

(6+4)

17. a) From the following data calculate TFR.

Age group (in years)	15-19	20-24	25-29	30-34	35-39	40-44	45-49
Female population	8943	8356	8431	8013	7962	7346	6700
No. of births occurring to females	271	1343	1492	1026	731	182	42

- b) Explain free hand curve method of estimation of trend.

(5+5)

G 507.1E

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St Aloysius College (Autonomous)

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B.Sc. Semester I- Degree Examination

October- 2019

Open Elective (Under CBCS)

Organic Farming

Time: 2 hrs.

Max Marks: 50

SECTION - A

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

1. Give two examples for bacterial biofertilizers.
2. List any two limitations of organic farming.
3. List the uses of cow dung in organic farming.
4. Give four examples for macronutrients.
5. What is *Trichoderma*? Mention its use.
6. Write two disadvantages of monoculture.

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SECTION - B

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

1. Give an account of kitchen waste Management.
2. Write the scope and limitations of organic farming.
3. What are Mycorrhizae? Give two examples. Explain their role in agriculture.
4. Write short note on the following with suitable examples.
a. Crop rotation b. Plant pesticides
5. Give an account of Mulching and its advantages.
6. Describe mixed farming and its advantages.

SECTION - C

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

1. Give an account of biodegradable and non-biodegradable wastes and their segregation.
2. Explain the preparation techniques of organic compost.
3. Give an account of STP and its role in recycling water.
4. Write note on the following
a. Weed and its management
b. Integrated farming.

(2019 Batch Onwards)

G 508.1E

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St Aloysius College (Autonomous)
Mangaluru

B.Sc. - Semester I- Degree Examination

October- 2019

Open Elective (Under CBCS)

AQUARIUM MAINTENANCE AND FISH BREEDING TECHNIQUES

Time: 2 hrs.

Max Marks: 50

SECTION - A

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

1. Name any two different types of Aquariums.
2. What is 'Poly-culture'?
3. Name any two fish that have labyrinth organ.
4. Explain the term ovoviviparous fish.
5. What are the benefits of using plants in an aquarium?
6. Name any two kinds of lighting used in aquariums.
7. What is sponge filter?
8. Explain the term inbreeding.
9. Name any two invertebrates kept in an aquarium. What is their role?
10. Which are the beneficial bacteria involved in the nitrogen cycle?
11. Name any two live bearing fish.
12. Why should an aquarium be covered with a hood or top?

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SECTION - B

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

1. Write a note on tropical fish keeping industry.
2. Name five varieties of popular Goldfish.
3. Give an account of the different kinds of fins in fish.
4. List the materials required in constructing an aquarium.
5. What are the common diseases in aquarium fish?
6. Comment on marine aquaria and its maintenance.
7. Give an account of aquatic plants used in aquarium.
8. Write a short note on fish breeding techniques.

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**St Aloysius College (Autonomous)
Mangaluru**

**B.Sc. - Semester I- Degree Examination
October- 2019**

**Open Elective (Under CBCS)
TECHNIQUES IN MICROBIOLOGY**

Time: 2 hrs.

Max Marks: 50

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

PART - A

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

- Negative Staining
- Radio Isotopes
- FACS
- Column Chromatography
- Shadow Casting
- Pulse

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PART - B

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

UNIT -I

2. a) Explain the parts and working principle of confocal microscope. (9)

OR

b) Explain about sampling for electron microscopy.

c) Write briefly on FISH. (6)

UNIT -II

3. a) Explain about paper chromatography. (9)

OR

b) Explain in detail spectrophotometry.

c) Write a brief note on TLC. (6)

PART - C

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

- Applications of fluorescence microscopy
- Freeze fracture
- Autoradiography
- Chromatography principles

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St Aloysius College (Autonomous)

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B.Sc. Semester I- Degree Examination

October- 2019

Open Elective (Under CBCS)

PROTEIN BIOCHEMISTRY

Time: 2 hrs.

Max Marks: 50

PART – A

Answer any TEN of the following.

(10x2=20)

1. a) What are trans membrane proteins and give examples.
- b) Give any two applications of PAGE.
- c) What is dialysis and give examples for buffers used in dialysis.
- d) Name any two methods for extraction of proteins.
- e) Give any two applications of NMR.
- f) What is electrophoresis?
- g) What are intra cellular proteins and give examples.
- h) What is iso electro focusing and give any two applications.
- i) Give any two applications of Mass spectroscopy.
- j) What is affinity chromatography and give any two applications.
- k) Write the classification of protein based on location.
- l) Give any two examples for structural proteins.

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PART – B

Answer any SIX of the following.

(6x5=30)

2. Write a note on structural organization of proteins and importance in biological system.
3. Explain methods of cell lysis.
4. Explain HPLC.
5. Comment on protein separation techniques.
6. Explain molecular sieve chromatography.
7. Explain SDS-PAGE and its applications.
8. Write a note on biological importance of proteins.
9. Explain NMR and its application in protein characterization.

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St Aloysius College (Autonomous)**Mangaluru****B.Sc. Semester I- Degree Examination****October- 2019****Open Elective (Under CBCS)****FOOD PROCESSING TECHNOLOGY**

Time: 2 hrs.

Max Marks: 50

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

1. Write a short note on sedimentation.
2. Explain the role of salt as a preservative.
3. Define thermal death time.
4. Write about the principle involved in dehydration.
5. What is smart packaging?
6. Write any four materials used for food packaging.

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

1. Explain the principle of distribution.
2. Write a short note on the role of temperature in food preservation.
3. Explain about the microwave heating.
4. Write a short note on cryogenic freezing.
5. Describe the methods of processing of food.
6. Write about the factors determining the packaging requirements of food.

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

1. Explain in detail about the intrinsic and extrinsic factors that affect the growth and survival of microbes in food.
2. Write a detailed note on various freezing methods involved in food processing.
3. Explain about the principle and classification of thermal processing.
4. Describe the packaging of dried products, fats and oils.

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B.Sc. - Semester I- Degree Examination
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Open Elective (Under CBCS)

ECONOMICS OF HUMAN RESOURCE DEVELOPMENT

Time: 2 hrs.

Max Marks: 50

SECTION - A

Answer any SEVEN questions.

(7x2=14)

1. List out any four objectives of Human Resource Development.
2. State any four Importance of Human Resource Development.
3. Point out any two strategies of Human Resource Development.
4. What is the purpose of Human Resource Development System?
5. List out any four requisites for Human Resource Development.
6. List out any four factors affecting Human Resource Development Climate.
7. Mention any four methods of On the Job Training.
8. Point out the challenges of Talent Management.
9. What is Organizational Change?

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SECTION - B

Answer any FOUR questions.

(4x4=16)

10. Briefly explain the need and scope of Human Resource Development.
11. Briefly explain the attributes of a Human Resource Development Manager.
12. What are the variables of Human Resource Development mechanism?
13. What are the outcomes of Human Resource Development?
14. Explain briefly the learning process.
15. Explain the different types of change.

SECTION - C

Answer any TWO questions.

(2x10=20)

16. Explain the functions of Human Resource Development.
17. Explain the principles of designing Human Resource Development System.
18. Explain the need for Training.

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B.C.A. Semester I- Degree Examination

October- 2019

Open Elective (Under CBCS)

COMPUTER NETWORKS

Time: 2 hrs.

Max Marks: 50

SECTION - A

1. Answer any **FIVE** from the following. (5x2=10)
- Give an example for MAN and PAN network.
 - Write a note on Multicasting.
 - List the categories of UTP cables and its data transfer rate.
 - Distinguish between error detection and correction.
 - Distinguish between connection less and connection oriented services.
 - Name the different classes of IP addresses.
 - Distinguish between subnetting and supernetting.

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SECTION - B

- Answer any **FOUR** from the following. (4x5=20)
- Write any five Business applications of Computer Network.
 - Explain local area network.
 - Explain synchronous mode of serial communication.
 - Write a note on various transmission impairments.
 - Explain class full IP addressing.

SECTION - C

- Answer any **TWO** from the following. (2x10=20)
- Explain briefly OSI reference model.
 - Explain the following topologies in computer network.
 - Bus topology
 - Star topology
 - Ring topologyWrite the advantages of each.
 - Explain the following Network devices.
 - Switches
 - Routers

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B.C.A. Semester I- Degree Examination

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Open Elective (Under CBCS)

CYBER SECURITY

Time: 2 hrs.

Max Marks: 50

SECTION - A

1. Answer any **FIVE** from the following. (5x2=10)
- Define Information Security Management.
 - What is meant by Information Assurance?
 - What do you mean by Qualitative Risk Analysis?
 - Define Software firewall.
 - What do you mean by Intrusion Detection System?
 - Expand : a) SEPP b) SETP
 - Explain the term IP spoofing.

SECTION - B

- Answer any **FOUR** from the following. (4x5=20)
- Explain the different types of Security threats in Information system.
 - Explain any five Risks related to Database Security.
 - Write a note on Access Control.
 - Explain any one type of Cryptographic technique.
 - Write a note on Security governance.

SECTION - C

- Answer any **TWO** from the following. (2x10=20)
- Define Data Security. Explain the different Data Security Technologies and Hardware based security to protect the data.
 - Explain the following security threats and its protection tips.
a) Email virus b) Worms c) Logic Bomb
 - Explain the different phases of Information System Development.
