FACULTYOF ARTS
M.A. (ENGLISH) I – SEMESTER REGULAR EXAMINATIONS, DEC-2017
ENGLISH LITERATURE OF THE EARLY 17TH AND 18TH CENTURIES - II
PAPER – V

Time: 3 Hours] [Max. Marks: 70

Note: Answer all questions from Section – A and Section – B

Section – A (5x4=20)

Answer the following questions in not more than **ONE** page each:

1. Explain the chief features of Restoration Comedy.
2. Discuss the significance of 'The Spectator Club' in the contemporary period.
3. Bring out humour in *The Way of the World*.
4. Write an essay on the charcter Mrs. Malaprop.
5. Explain the chief features of satire.

Section – B (5x10=50)

Answer the following questions in not more than **FOUR** pages each:

6. a) What is Pastoral Poetry? Explain it with reference to the poems you studied.

(OR)

b) Write an essay on sentimental comedy with reference to the play prescribed for your study.

7. a) "*The Rape of the Lock* is the most exquisite specimen of filigree work ever invented". Elucidate.

(OR)

b) Attempt a critical essay on Pope's idea of human nature with reference to "An essay on Criticism".

8. a) Write an essay on Blake's use of imagery as used with reference to the poems prescribed for your study.

(OR)

b) Discuss major themes in "Elegy Written in a Country Churchyard".

9. a) Critically evaluate the theme of love, marriage and sex-relationship as portrayed by William Congreve in *The Way of the World*.

(OR)

b) Explain the satiric humour in *Rivals*.

10. a) Discuss Addison as an essayist of eighteenth century with reference to the essays prescribed for your study.

(OR)

b) Comment on Steele's views as an essayist based on his essays you have studied.

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FACULTY OF ARTS
M.A.(HND) I – SEMESTER REGULAR EXAMINATIONS, DEC -2017
ANUVAD: SIDHHANT EVAM PRAYOG
PAPER – V

Time: 3 hours]

[Max. Marks: 70

Note: Answer all questions from Section – A and Section – B

Section – A

सूचना - निम्न लिखित प्रश्नों के उत्तर एक पृष्ठ से अधिक न हो ।　　　　(5x4=20)

1. अनुवाद के मूल्यांकन की पद्धतियों का विवेचन कीजिए ।

2. कार्यालयी अनुवाद की समस्याओं पर सविस्तार प्रकाश डालिए ।

3. अनुवादक के उत्तरदायिलों पर विचार कीजिए ।

4. पारिभाषिक शब्दावली के निर्माण के विविध सम्प्रदाय का विवेचन कीजिए ।

5. राज भाषा से आपका क्या तात्पर्य है? उसके प्रयोजन पर प्रकाश डालिए ।

Section – B

सूचना - निम्न लिखित प्रश्नों के उत्तर 4 पृष्ठों से अधिक न हो ।　　　　(5x10=50)

6. a) अनुवाद में पारिभाषिक शब्दावली के महत्व एवं प्रासंगिकता का सोदाहरण विवेचन कीजिए ।
   (OR)
   b) कार्यालयीन हिन्दी के स्वरुप को स्पष्ट कीजिए ।

7. a) साहित्यिक अनुवाद एवं साहित्येतर अनुवाद की समस्या पर विचार कीजिए ।
   (OR)
   b) जीवन के विविध क्षेत्रों में अनुवाद की भूमिका और महत्व पर प्रकाश डलिए ।

8. a) अनुवाद और भाषा विज्ञान का क्या सम्बन्ध है? सोदाहरण समझाइए ।
   (OR)
   b) अंगेजी से हिन्दी भाषा में अनुवाद करते समय किस तरह की समस्याएं सामने आती हैं? उसका समाधान किस तरह होता है? समझाइए ।

9. a) सामान्य शब्द तथा पारिभाषिक शब्द के साम्य-वैषम्य को स्पष्ट करते हुए अनुवाद में तकनीकि/पारिभाषिक शब्दावली की आवशकता के पक्ष में तर्क प्रस्तुत कीजिए ।
   (OR)
   b) वाणिज्य तथा व्यवसाय क्षेत्रों में अनुवाद की आवश्यकता को स्पष्ट करते हुए उसकी समस्याओं का विश्लेषण कीजिए ।

10. a) राजभाषा और राष्टभाषा के अन्तर को स्पष्ट कीजिए ।
    (OR)
    b) पत्रकारिता से क्या तात्पर्य है? इसके अनुवाद की समस्याओं पर प्रकाश डलिए ।

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FACULTYOF SOCIAL SCIENCES
M.A (Mass Communication) I– SEMESTER REGULAR EXAMINATIONS, DEC-2017
PUBLIC RELATIONS
PAPER – V

Time: 3 Hours]   [Max. Marks: 70

Note: Answer all questions from Section – A and Section – B

Section – A   (5x4=20)

Answer the following questions in not more than **ONE** page each:

1. Public Opinion
2. PR Planning
3. House Journal
4. Feedback
5. Press release

Section – B   (5x10=50)

Answer the following questions in not more than **FOUR** pages each:

6. a) Define Public Relations and Write about the importance of Public Relations.
    (OR)
    b) Explain the need for PRO in an organization and write about the Qualities of Public Relations Officer.

7. a) Who are the internal and external Publics in PR and write on how to reach them Through Public Relations.
    (OR)
    b) Write about the various stages of Public Relations Campaign.

8. a) Write a critical comment on why the governments need Public Relations Department.
    (OR)
    b) What is the structure of Information and Public Relations Department?

9. a) What is the concept of Strategic Public Relations and reputation management.
    (OR)
    b) Explain the need for House Journal, News Letter and Brochures.

10. a) Write about the changes in the profession of Public Relations during the last one decade.
    (OR)
    b) Write an essay on the topic of "Public Relations in Social Media era".

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FACULTY OF ARTS
M.A. (TSD) I – SEMESTER REGULAR EXAMINATIONS, DEC-2017
HISTORY OF TELANGANA AND CULTURE
PAPER – VA

Time: 3 hours]   [Max. Marks: 70

Note: Answer all questions from Section – A and Section – B

Section – A

సూచన: క్రింది ప్రశ్నలకు <u>ఒకపేజి</u> మించకుండ సమాధానాలు వ్రాయండి.   (5x4=20)

1. సంస్కృతి – నిర్వచనం.
2. ఇక్ష్వాకులు
3. పద్మనాయకులు
4. జటప్రోలు సంస్థానం
5. గ్రంథాలయోద్యమం

Section – B

సూచన: క్రింది ప్రశ్నలకు <u>నాలుగు పేజీలు</u> మించకుండ సమాధానాలు వ్రాయండి.   (5x10=50)

6. a) తెలుగు వారి ఆచార వ్యవహారాలను సంగ్రహంగా వ్రాయండి
   (లేదా)
   b) పండుగలలోని పరమార్థాన్ని సమీక్షించండి.

7. a) శాతవాహనుల కాలం నాటి సాంస్కృతిక విశేషాలను చర్చించండి.
   (లేదా)
   b) పేములవాడ, ముదిగొండ చాళుక్యుల సాంస్కృతిక విశేషాలను సమీక్షించండి

8. a) కాకతీయుల సాంస్కృతిక, భాషా సారస్వతాలను చర్చించండి.
   (లేదా)
   b) అసఫ్జాహీల పరిపాలనలోని సాంఘిక విశేషాలను వ్రాయండి.

9. a) జటప్రోలు, దోమకొండ సంస్థానాల సాంస్కృతిక విశేషాలను చర్చించండి.
   (లేదా)
   b) పాల్వంచ, పాపన్నపేట సంస్థానాల సాంస్కృతిక విశేషాలను వివరించండి

10. a) ఆంధ్రజన సంఘం, ఆంధ్ర జన మహాసభల వల్ల తెలంగాణకు జరిగిన న్యాయాన్ని చర్చించండి .
    (లేదా)
    b) తెలంగాణ రాష్ట్ర అవతరణలో జరిగిన ఉద్యమాన్ని వ్రాయండి.

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FACULTY OF ARTS
M.A. (TSD) I – SEMESTER REGULAR EXAMINATIONS, DEC-2017
FUNCTIONAL TELUGU
PAPER – VB

Time: 3 hours]   [Max. Marks: 70

Note: Answer all questions from Section – A and Section – B

Section – A

సూచన: క్రింది ప్రశ్నలకు <u>ఒకపేజి</u> మించకుండ సమాధానాలు వ్రాయండి,   (5x4=20)

1. ప్రకార్య తెలుగు భాష పరిచయం.

2. ప్రథమభాషగా తెలుగు అధ్యయనం అవకాశాలు.

3. పరిపాలనా భాషాగా తెలుగు ఆవశ్యకత.

4. అధికార భాషగా తెలుగు గురించి తెలపండి.

5. తెలుగు మాధ్యమం అమలులో భాష ప్రాధాన్యం ఏమిటి?

Section – B

సూచన: క్రింది ప్రశ్నలకు <u>నాలుగు పేజీలు</u> మించకుండ సమాధానాలు వ్రాయండి.   (5x10=50)

6.   a) ప్రకార్య తెలుగు భాష పరిచయం – పరిధిని తెలపండి.

     (లేదా)

     b) ప్రకార్య భాషగా తెలుగు వివిధ రంగాల్లో వినియోగం గురించి వ్యాఖ్యానించండి.

7.   a) ద్విభాష, బహు భాషా వ్యత్యాసాలకు తెలుగు ప్రకార్య భాష దోహదంపై మీ ఆలోచనలు తెలపండి.

     (లేదా)

     b) ముసాయిదా లేదా ప్రతి, ప్రతిరచనల స్వరూపం, ప్రకార్య భాష.

8.   a) భాష ప్రదానాలు – భౌగోళిక సామీప్య కారణాలు.

     (లేదా)

     b) ప్రకార్య భాష వినిమయం నిఘంటుపులు, ప్రయోజనం తెలపండి.

9.   a) ప్రకార్యభాషకు వివిధ అంశాలకు చెందిన పదకోశాల ఆవశ్యకత.

     (లేదా)

     b) సమకాలీన భాషాసాధనంగా ప్రకార్య తెలుగు భాష.

10. a) గ్రాంథిక భాషకు, ప్రకార్యభాషకు తేడాలు వివరించండి.

     (లేదా)

     b) భాషల తులనాత్మక పద్ధతిని తెలుపండి.

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FACULTY OF ARTS
M.A. URDU I– SEMESTER REGULAR EXAMINATIONS, DEC 2017
QUSUI MUTALIYA "NAZEER AKBAR AABADI"
PAPER –V

Time: 3 Hours]

[Max. Marks: 70

نوٹ: حصہ 'الف' اور حصہ 'ب' کے تمام سوالوں کے جواب مطلوب ہیں۔

(حصہ 'الف')

نوٹ: درج ذیل سوالات کے جوابات تحریر کیجیے۔ کوئی جواب ایک صفحے سے زیادہ نہ ہو۔ (5x4=20)

١ — تظیر اکبر آبادی کے عہد کے سماجی حالات پر روشنی ڈالیے۔

٢ — تظیم نگاری کی خصوصیات اجاگر کیجیے۔

٣ — تظیر اکبر آبادی کی شاعری میں مناجات نگاری پر نوٹ لکھیے۔

٤ — تظیر اکبر آبادی کی شخصیت کے روشن پہلو نمایاں کیجیے۔

٥ — تظم 'ہولی' کے مرکزی خیال پر اظہار کیجیے۔

(حصہ 'ب')

نوٹ: درج ذیل سوالات کے جوابات تحریر کیجیے۔ کوئی جواب چار صفحات سے زائد نہ ہو۔ (5x10=50)

٦ — تظیر اکبر آبادی کے سوانحی حالات قلمبند کیجیے۔

(یا)

اردو تظم نگاری کے آغاز و ارتقا پر روشنی ڈالیے۔

٧ — تظیر اکبر آبادی کی غزل گوئی کی انفرادیت پر روشنی ڈالیے۔

(یا)

اردو غزل گوئی میں تظیر اکبر آبادی کا مقام متعین کیجیے۔

P.T.O.

8:- نظیر اکبر آبادی کو عوامی شاعر کیوں کہا جاتا ہے ۔ دلائل کے
ذریعہ واضح کیجیے ۔
(یا)
نظیر اکبر آبادی کے عہد کے علمی و ادبی فضا پیر روشنی ڈالیے ۔
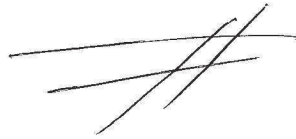
9:- نظم "بنجارہ نامہ" کا تجزیاتی مطالعہ پیش کیجیے ۔
(یا)
نظیر اکبر آبادی کی شاعری میں ہندوستانی عناصر کی نشاندہی کیجیے ۔

10:- نظیر اکبر آبادی کی نظم نگاری کی نمایاں خصوصیات اجاگر کیجیے ۔
(یا)
نظم "مفلسی" کا خلاصہ تحریر کیجیے ۔

FACULTY OF SOCIAL SCIENCES
M.A (Economics) I– SEMESTER REGULAR EXAMINATIONS, DEC-2017
INTERNATIONAL TRADE AND FINANCE - I
PAPER – V

Time: 3 hours]   [Max. Marks: 70

Note: Answer all questions from Section – A and Section – B

Section – A

Answer the following questions in not more than **ONE** page each: (5x4=20)

1. Absolute advantage.
2. Factor Endowments.
3. Gains from trade.
4. Define Tariffs.
5. Balance of Payments.

Section – B

Answer the following questions in not more than **FOUR** page each: (5x10=50)

6. a) Explain the comparative advantage theory.
        (OR)
    b) Briefly explain the Heckscher-Ohlin theory of trade.

7. a) Discuss the Rybcznski theorem.
        (OR)
    b) Explain the concept and implications of immiserizing growth theory.

8. a) Briefly discuss the trade as an engine of Economic growth.
        (OR)
    b) Explain the Hypothesis of secular deterioration of terms of trade.

9. a) Discuss the economic effects of tariffs and quotes.
        (OR)
    b) Explain the trade under imperfectly competitive market.

10. a) Explain the meaning and components of Balance of Payments.
        (OR)
    b) Discuss the expenditure reducing and expenditure switching policies.

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FACULTY OF SOCIAL SCIENCES

M.A. (Political Science) I – SEMESTER REGULAR EXAMINATIONS, DEC-2017

PUBLIC POLICY

PAPER – V

Time: 3 Hours]   [Max. Marks: 70

Note: Answer all questions from Section – A and Section – B

<u>Section – A</u>   (5x4=20)

Answer the following questions in not more than **ONE** page each:

1. Systematization
2. Rule-Making
3. Non-zero sum game
4. Political Bureaucracy
5. Mission Kakatiya

<u>Section – B</u>   (5x10=50)

Answer the following questions in not more than **FOUR** pages each:

6. a) Explain the limitations of Behaviouralism.
     (OR)
    b) Examine the increasing scope of Public Policy.

7. a) Evaluate the importance of group theory in understanding of Public Policy.
     (OR)
    b) Write an essay on Systems theory.

8. a) Explain the Propositions of Elitism.
     (OR)
    b) Explain the stages of Analysis of Rationality in Policy.

9. a) Analyze the factors influencing Administrators role in Policy-Making Process.
     (OR)
    b) Discuss the role of Civil Society organizations in the policy.

10. a) Explain the Techniques of Policy evaluation.
     (OR)
    b) Explain the successes and failures of family planning programme.

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FACULTY OF SOCIAL SCIENCES
M.A. (Public Administration) I – SEMESTER REGULAR EXAMINATIONS, DEC-2017
MANAGEMENT OF PUBLIC ENTERPRISES
PAPER – V

Time: 3 Hours]   [Max. Marks: 70

Note: Answer all questions from Section – A and Section – B

Section – A   (5x4=20)

Answer the following questions in not more than **ONE** page each:

1. Globalization
2. Pay Conditions
3. Consumers Councils
4. Company
5. Dis-investment

Section – B   (5x10=50)

Answer the following questions in not more than **FOUR** pages each:

6. a) Discuss the concept of Nationalization.
   (OR)
   b) Examine the issues faced by Public Enterprises in India.

7. a) Discuss the merits and demerits of Company form of Public Enterprises in India.
   (OR)
   b) Examine the role of Chief Executive Officer in Public Enterprises.

8. a) Examine the training system in Public Enterprises in India.
   (OR)
   b) Examine the implementation of workers Participation in Management.

9. a) Write an essay on efficiency in Public Enterprises in India.
   (OR)
   b) Critically examine the functioning of Public Distribution System in India.

10. a) Discuss the concept of Market Induced Reforms.
    (OR)
    b) Discuss the impact of Privatization in India.

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Code No. 1015A

FACULTY OF SOCIAL SCIENCES
M. S.W. I – SEMESTER REGULAR EXAMINATIONS, DEC-2017
SOCIAL DEVELOPMENT & SUSTAINABLE DEVELOPMENT
PAPER – V (a)

Time: 3 Hours]   [Max. Marks: 70

Note: Answer all questions from Section – A and Section – B

Section – A   (5x4=20)

Answer the following questions in not more than **ONE** page each:

1. Define Social Development.
2. Discuss the characteristics of developed economies.
3. Write a note on new economic policy.
4. What do you mean by sustainable development?
5. What are the pre-requisites for sustainable development?

Section – B   (5x10=50)

Answer the following questions in not more than **FOUR** pages each:

6. a) Discuss the various approaches for social development.
                                        (OR)
    b) Explain the features and indicators for social development?

7. a) Discuss the characteristics of under developed and developed economies.
                                        (OR)
    b) Discuss the role of social welfare in developing society.

8. a) Discuss the impact of World Bank on developing societies.
                                        (OR)
    b) Discuss the impact of Globalization on developing societies.

9. a) Discuss the features and components of sustainable development.
                                        (OR)
    b) Discuss the areas of sustainable development.

10. a) Explain the impact of WTO on developing societies.
                                        (OR)
    b) Discuss the strategies for withdrawal.

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FACULTY OF SOCIAL SCIENCES
M. S.W. I – SEMESTER REGULAR EXAMINATIONS, DEC-2017
LEGAL SYSTEMS AND SOCIAL LEGISLATIONS IN INDIA
PAPER – V (b)

Time: 3 Hours]   [Max. Marks: 70

Note: Answer all questions from Section – A and Section – B

<u>Section – A</u>   (5x4=20)

Answer the following questions in not more than **ONE** page each:

1. Write note on Federal Features of Indian constitution.
2. What do you mean by Equality before law?
3. Explain the people with disability Act, 1975.
4. Discuss the need of legal aid.
5. Explain the rights of children.

<u>Section – B</u>   (5x10=50)

Answer the following questions in not more than **FOUR** pages each:

6. a) Discuss the social ideals of Indian constitution.
    (OR)
    b) Discuss the directive principles of state policy.

7. a) Discuss the civil rights under CPC.
    (OR)
    b) Explain the legal rights for Women.

8. a) Discuss the laws for treatment of social problems.
    (OR)
    b) Write a note on social security measures in India.

9. a) Discuss the need for social worker intervention.
    (OR)
    b) Discuss on public interest litigation (PIL).

10. a) Discuss about how law protecting youth.
    (OR)
    b) Discuss the legal aid schemes in India.

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FACULTYOF BUSINESS MANAGEMENT
MBA I – SEMESTER REGULAR EXAMINATIONS, DEC- 2017
STATISTICS FOR MANAGEMENT
PAPER – V

Time: 3 Hours]   [Max. Marks: 70

Section – A   (5x4=20)

Answer the following questions in not more than **ONE** page each:

1. Features of Statistics.
2. Parametric Tests.
3. Types of Hypothesis.
4. Components of Time Series Analysis.
5. Two Way ANOVA.

Section – B   (5x8=40)

Answer the following questions in not more than **FOUR** pages each:

6. a) Define Statistics. Explain its significance in business decision making.

(OR)

b) Find mean, median and mode for the following data.

No. of Workers (Class)	0-10	10-20	20-30	30-40	40-50	50-60
No. of Companies	15	17	22	25	13	08

7. a) Define Sampling. Explain probability and non-probability sampling methods.

(OR)

b) Explain the steps involved in hypothesis testing.

8. a) What is small sample test? Explain with an example.

(OR)

b) The following are number of words per munity which a secretary typed on several occasions on three different type writers.

Type writer-I	71	78	70	69	77	72	65	69
Type writer-II	74	76	72	70	69	68	72	73
Type writer-III	70	72	66	64	63	67	69	70

Test whether the difference among the mean of three samples (typewriters) can be attributed to chance. You may use a five percent level of significance. (Given: Table value of F^2_{21} with 5% level of significance is 3.47)

9. a) Calculate the Kruskal-Wallis Test statistics for the following data.

College A	College B	College C
25	60	50
70	20	70
60	30	60
85	15	80
95	40	90
90	35	70
80	-	75

(OR)

b) What are non-parametric tests? Explain any one of them.

10. a) Calculate Karl Pearson's coefficient of correlation between expenditure on advertising and sales from the data given below:

Advertising expenses (000 Rs.)	39	65	62	90	82	75	25	98	36	78
Sales (lakh Rs.)	47	53	58	86	62	68	60	91	51	84

(OR)

b) On the basis of the following data find;
   i) Two Regression lines.
   ii) If $X = 22$, then $Y =$?

X	35	25	29	31	27	24	33	36
Y	23	27	26	21	24	20	29	30

Section – C (Compulsory)   (1x10=10)

Manufacturing company has purchase three new machines of different makes and wishes to determine whether one of them is faster than the others in producing a certain output. Five, hourly production figures are observed at random from each machine and the results are given in Table:

	Machine A_1	Machine A_2	Machine A_3
	25	31	24
Observations	30	39	30
	36	38	28
	38	42	25
	31	35	28

Use analysis of variance technique and determine whether the machines are significantly different in their mean speeds. Use $\alpha = 5\%$. (F value is 3.89)

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FACULTY OF COMMERCE

M.Com. (GENERAL) I – SEMESTER REGULAR EXAMINATIONS, DEC-2017

ORGANISATIONAL THEORY AND BEHAVIOUR

PAPER –V

Time: 3 Hours] [Max. Marks: 70

Note: Answer all questions from Section – A and Section – B

Section – A (5x4=20)

Answer the following questions in not more than **ONE** page each:

1. Contingency approach.
2. Concept of perception.
3. Concept of Morale.
4. Functional Conflict.
5. Managerial Grid.

Section – B (5x10=50)

Answer the following questions in not more than **FOUR** pages each:

6. a) Evaluate and discuss classical theories of organization.

(OR)

b) What are the contributing disciplines to the organizational behavior?

7. a) What do you understand by group cohesiveness? Evaluate the factors that contribute group cohesiveness.

(OR)

b) Explain the determinants of personality of an individual.

8. a) Evaluate and discuss Maslow's needs hierarchy theory.

(OR)

b) What factors that contribute sustainability of good organizational culture.

9. a) What are the functional conflicts? How do they help to the individual and organizational development.

(OR)

b) What are issues that involve in negotiation process?

10. a) Explain the significance of Robert House's Path Goal Theory.

(OR)

b) How do you address the problems of resistance to change?

--oOo--

FACULTY OF COMMERCE
M.Com. (E-Commerce) I – SEMESTER REGULAR EXAMINATIONS, DEC- 2017
COMPUTER PROGRAMMING WITH 'C'
PAPER – V

Time: 3 Hours]   [Max. Marks: 50

Note: Answer all questions from Section – A and Section – B

<u>Section – A</u>   (5x4=20)

Answer the following questions in not more than **ONE** page each:

1. Logical Operators.
2. Do While.
3. Structure of Array.
4. Accessing Structure.
5. Function of Close ( ).

<u>Section – B</u>   (5x6=30)

Answer the following questions in not more than **FOUR** pages each:

6. a) What is 'C' language and write basic structure of 'C' programme?
                              (OR)

    b) Explain the
       i) Arithmetic Relational   ii) Logical/Bitwise operators.

7. a) Write the uses of switch statements with suitable diagrams/flow charts.
                              (OR)

    b) Explain the:
       i) For loop   ii) Nested loop.

8. a) What is array? Describe the two dimensional array.
                              (OR)
    b) Do their any difference between string functions and character function? Explain.

9. a) Write the uses of declaring structures variables and accessing structures member.
                              (OR)
    b) Explain the passing parameters to function.

10. a) Write the functions of f open ( ) and f close ( ).
                              (OR)
    b) What is file management in 'C' and write input/output functions?
                              --oOo--

FACULTY OF SCIENCE

M.Sc. (MATHEMATICS) I – SEMESTER REGULAR EXAMINATIONS, DEC-2017

MATHEMATICAL METHODS

PAPER – V

Time: 3 Hours]   [Max. Marks: 70

Note: Answer all the following questions from Section-A and Section-B

<u>Section – A</u>   (5x4=20)

Answer all the following questions in not more than **ONE** page each:

1. Define Green's function.

2. Classify the partial differential equations

   i) $\frac{\partial^2 u}{\partial x^2} + 4\frac{\partial^2 u}{\partial x \partial y} + 4\frac{\partial^2 u}{\partial y^2} - \frac{\partial u}{\partial x} + x\frac{\partial u}{\partial y} = 0$

   ii) $(1 + x^2)\frac{\partial^2 u}{\partial x^2} + (5 + 2x^2)\frac{\partial^2 u}{\partial x \partial t} + (4 + x^2)\frac{\partial^2 u}{\partial t^2} = 0$

3. Solve $a(P + q) = z$.

4. Solve $\frac{\partial^2 y}{\partial x^2} + y = 0$ by power series method.

5. Prove that $H_n^1(x) = 2n\, H_{n-1}(x)\ (n \geq 1),\ H_0^1(x) = 0$.

<u>Section – B</u>   (5x10=50)

Answer all the following questions in not more than **FOUR** pages each:

6 a) Solve $x^{11} + dx = 0,\ x(0) = x^1(1) = 0$ with Strum-Liouilli's method.

(OR)

   b) Explain Charpit's method and hence solve $(P^2 + q^2)z = qz$.

7 a) Reduce the equations

   $x(xy - 1)\, r - (x^2 y^2 - 1)\, s + y(xy - 1)t + (x - 1)P + yq = 0$

   to Canonical form and hence solve it.

(OR)

   b) Solve $(D^2 - DD^1 + 2\, D^{1^2})z = 2x + 3y + e^{3x+4y}$.

8 a) Solve in series of the equation $2x^2 y'' + (x^2 - x)y^1 + y = 0$ by Frobenices Method.

(OR)

   b) Prove the following

   i) $\frac{d}{d_x}\, [x^{-n} J_n(x)] = -x^{-n} J_{n+1}(x)$

   ii) $x\, J_n^1(x) = -nJ_n(x) + xJ_{n-1}(x)$.

9 a) State and Prove Rodrigue's formula of Hermite Polynomial.

(OR)

   b) Prove that $L_n(x) = \frac{e^x}{n!}\frac{d^n}{dx^n}\,(x^n . e^{-x})$.

10 a) Obtain the general solution of one dimensional neat flow equation by the method of separation of variables.

(OR)

   b) Express $f(x) = 5x^4 + 8x^3 + 2x^2 - 7x + 4$ in terms of Legendre's Polynomials.

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FACULTY OF SCIENCE
M.C.A. I – SEMESTER REGULAR EXAMINATIONS, DEC-2017
MODERN ECONOMIC ANALYSIS

PAPER – V

Time: 3 Hours]   [Max. Marks: 70

Note: Answer all questions from Section – A and Section – B

Section – A   (5x4=20)

Answer the following questions in not more than **ONE** page each:

1. The Scope of Managerial Economics.
2. Substitutes and Complements.
3. Opportunity Cost.
4. Per Capital Income.
5. IDBI.

Section – B   (5x10=50)

Answer the following questions in not more than **FOUR** pages each:

6. a) What is Managerial Economics? Discuss the Nature and Scope of the Managerial Economics.

(OR)

   b) Discuss the principles of Managerial Economics which help in effective Managerial Decision Making.

7. a) Define Demand and describe its Determinants with suitable examples.

(OR)

   b) Explain different methods of Measuring Elasticity of Demand.

8. a) What is Production? Explain Cobb Douglas Production Function?

(OR)

   b) Explain concepts of returns to scale and distinguish among increasing, constant and decreasing returns to scale.

9. a) Critically evaluate the different Methods of National Income Accounting in India.

(OR)

   b) Explain salient features and strategies of Twelfth Five Year Plan in India.

10. a) Explain functions of RBI and its role played in the context of recent Demonetization.

(OR)

   b) Discuss the Financial Institutions role in Industrial Development in India.

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FACULTYOF SOCIAL SCIENCES
PG/B.L.I.S. I – SEMESTER REGULAR EXAMINATIONS, DEC- 2017
INFORMATION PROCESSING (PRACTICE-II)
(LIBRARY CATALOGUING PRACTICE)
PAPER – V

Time: 3 Hours]   [Max. Marks: 100

Catalogue any Five Titles according to **AACR-2R.** All titles carry equal marks: (5x20=100)

1. Title No.01

INTRODUCTION TO DIGITAL TECHNOLOGY
Third Edition
Louis Nashelsky
Professor Department of Electrical & Computer Technology
Queens borough Community College of the City University of New York.

John Wiley & Sons
New York, Chinchester, Brisbane, Toronto, Singapore.

Other Information:	
Call No.	621.381958____
Accession No:	14914
Pages:	VII, 536
Date of Publication:	1983
Size:	23cm

2. Title No.02

AN INTRODUCTION TO MODERN ECONOMICS
4th Edition
Bahdur Khan, Philip Hard Wick, John Longmead.
London, English Language Books Society - 1978

Other Information:	
Call No.	330
Acc.No.	25478
Pages:	455
Illustration and Tables.	
ISBN:	0-582-40747-8
Size:	24cm

3. Title No.03

PRINCIPLES OF ELECTICAL ENGINEERING
By
William H.Timble and VANNEVAR BUSH
John Wiley & Sons, INC.
New York, London.

Other Information:	
Call No.	621.3
Acc.No.	32156
Pages:	IX, 629
Copyright date:	1951
Thoroughly Illustrated	

4. Title No.04

PRINCIPLES OF PSYCHOLOGY
Richard H Price, University of Michigan
Ann Arbor, Mitehell Glickstein,
Brown University
David L Horton, Ronald H. Bailey
Holt, Rinehart and Winston Publishers
New York, Chicago, San Francisco.

Other Information:

Call No.	150
Acc.No.	5819
Date of Publication:	1982
Pages:	XVII, 650
Size:	26cm
ISBN:	0-03-048411-1

5. Title No.05

PRODUCTION SYSTEM MODELS OF LEARNING AND DEVELOPMENT
Edited by
David Klahr, Pat Langley and Robert Neches
The MIT Press
Cambridge, Massachusetts, London, England.

Other Information:

Call No.	153
Pages:	XII, 466
Acc.No.	12455
Size:	24cm
Date of Publication:	1987
ISBN:	0-262-11114-4

6. Title No.06

THE GIFT OF MAGI
By
O. Henry
Illustrated by
Erik Blegrad.
Hawthorn Books New York.

Other Information:

Call No.	813.52
Date of Publication:	1972
Acc.No.	3011
Pages:	29
Size:	17cm

Note: The actual name of O. Henry is William Sydney Porter, however, the author is
Predominantly known by his pseudonym.

7. Title No.07

JAWAHARLAL NEHRU'S SPEECHES

1949-1953

Publication Division

Ministry of Information and Board Casting

Other Information:

Call No.	924.254 IND
Acc.No.	3090
Date:	1954
No. of Pages:	IX, 586
Size:	25cm

8. Title No.08

SOCIAL WELFARE DEPARTMENT

Backward Class Wing

Annual Administrative Report on the Welfare of Backward Classes

1966-67

Government Printing Press

Other Information:

Call No.	301.115095479 MAH
Acc.No:	3034
Date:	1971
Pages:	IV, 95
Size:	22cm

Back of the title page: Printed at the Government Press, Bombay
(ascertained as Govt. of Maharashtra)

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FACULTY OF SOCIAL SCIENCES
M.A. (APE: 5-YIPGP) V – SEMESTER REGULAR EXAMINATIONS, DEC-2017
STATISTICS -III
PAPER – V

Time: 3 Hours]   [Max. Marks: 70

Note: Answer all questions from Section – A and Section – B

<u>Section – A</u>   (5x4=20)

Answer the following questions in not more than **ONE** page each:

1. Discuss the advantages and disadvantages of simple random sampling.
2. Semi average method.
3. Uses and limitations of simple and weighted index numbers.
4. Give the mathematical model and underlying assumptions of two-way Anova with one observation per cell.
5. Describe the Pareto's Law of income distribution.

<u>Section – B</u>   (5x10=50)

Answer the following questions in not more than **FOUR** pages each:

6. a) Discuss the principle steps in a sample survey in detail.
   (OR)
   b) Explain the purpose of stratification in sample surveys. What are the various methods of allocating a sample in stratified sampling?

7. a) Explain time series analysis and its components.
   (OR)
   b) Explain moving averages, advantages and disadvantages of moving averages.

8. a) Outline the different tests for a good index numbers illustrate these with respect to fisher's ideal number.
   (OR)
   b) Compute   i) Laspeyaer's   ii) Paasche's and   iii) Fishers index numbers for the following data:

Item	Price		Quantity	
	Base year	Current year	Base year	Current year
A	6	10	50	50
B	2	2	100	120
C	4	6	60	60
D	10	12	30	25

9. a) Explain ANOVA table.
   (OR)
   b) Explain the statement of cochram's theorem.

10. a) Critically examine the pareto law of income distribution.
    (OR)
    b) Describe Pigou's method of estimating demand curve for time series data and give its limitations.

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FACULTY OF SCIENCE
M.Sc. (PCH-5YIPGP) V-SEMESTER REGULAR EXAMINATIONS, DEC-2017
PRINCIPLES OF STEREO CHEMISTRY
PAPER –V

Time: 3 Hours]   [Max. Marks: 70

Note: Answer all the following questions from Section-A and Section-B

<u>Section – A</u>   (5x4=20)

Answer the following questions in not more than **ONE** page each

1. Discuss the criteria for Chirality.
2. Write a note on conformational enantiomers.
3. Explain the conformational analysis of hydrindanes.
4. Write a note on E&Z-nomenclature.
5. Write a note on stereochemistry of allenes.

<u>Section – B</u>   (5x10=50)

Answer the following questions in not more than **FOUR** pages each

6   a) Write a note on Fischer and Newmann representations and their inter conversions.
<div align="center">(OR)</div>
    b) Discuss the energy profile diagram and stability of ethane and propane.

7   a) Discuss the Klyne-Prelog terminology for torsion angles.
<div align="center">(OR)</div>
    b) Write a note on conformations of unsaturated acyclic compounds with examples.

8   a) Discuss the conformational analysis of heterocycle with examples.
<div align="center">(OR)</div>
    b) Write a note on Stereochemistry of addition to carboxyl of a rigid cyclohexanone ring.

9   a) Write a note on CIP nomenclature with examples.
<div align="center">(OR)</div>
    b) Write a note on enantiomers, diastreomers, and their relationship with examples.

10 a) Write a note on absolute configuration determination by chemical correlation methods.
<div align="center">(OR)</div>
    b) Write a note on absolute configuration determination by Mosher's Method.
<div align="center">--oOo--</div>

FACULTY OF SCIENCES

M.C.A. V – SEMESTER REGULAR EXAMINATIONS, DEC 2017

MOBILE COMPUTING

PAPER – V (a)

Time: 3 hours]   [Max. Marks: 70

Note: Answer all questions from Section – A and Section – B

Section – A

Answer the following questions in not more than **ONE** page each: (5x4=20)

1. What is CDMA? Discuss in brief.
2. What are the Characteristics of GSM?
3. Describe Bluetooth.
4. Briefly discuss TCP snooping.
5. What are the features of Windows CE?

Section – B

Answer the following questions in not more than **FOUR** page each: (5x10=50)

6. a) Discuss in detail about FDMA and CDMA.

                (OR)

    b) Discuss Multiplexing in detail.

7. a) Discuss Handover Procedure and Security in GSM.

                (OR)

    b) Explain the Cyclic Representation of Data.

8. a) Compare Infrared and Radio Transmission.

                (OR)

    b) Explain in detail about HIPERLAN.

9. a) Discuss in detail about Dynamic Source Routing in MANET.

                (OR)

    b) Write in detail about Encapsulation operation of Mobile IP.

10. a) Explain in detail about WAP protocol architecture with neat diagram?

                (OR)

    b) Discuss Palm OS and Symbian OS in detail.

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FACULTY OF SCIENCES
MCA V – SEMESTER REGULAR EXAMINATIONS, DEC 2017

INFORMATION SECURITY

PAPER – V (b)

Time: 3 hours]   [Max. Marks: 70

Note: Answer all questions from Section – A and Section – B

Section – A

Answer the following questions in not more than **ONE** page each: (5x4=20)

1. What are the characteristics of information?
2. What are prevailing legal bodies to act against the cyber crime?
3. What is fire wall? Discuss about some existing fire walls?
4. What are access controls?
5. Write about the employment policies involved in security implementation.

Section – B

Answer the following questions in not more than **FOUR** page each: (5x10=50)

6. a) Explain about the denial of service (DOS) and distributed denial of service (DDOS)?

    (OR)

    b) Write about NSTI SSC Security Model?

7. a) Explain the different planning approaches to mitigate the risk?

    (OR)

    b) What the security laws used in US? Explain.

8. a) What is the Network fire wall?

    (OR)

    b) Explain Information security education Requirements.

9. a) Write about different types of attacks on cryptosystems?

    (OR)

    b) Discuss in detail about RSA Algorithms?

10. a) Discuss about employment policies and practices should be adopted in an organization with respective of security?

    (OR)

    b) Briefly explain about bull's eye-method?

--oOo--

FACULTYOF BUSINESS MANAGEMENT
IMBA V – SEMESTER REGULAR EXAMINATIOS, DEC- 2017
ENTREPRENEURSHIP DEVELOPMENT
PAPER – V

Time: 3 Hours]   [Max. Marks: 70

Section – A   (5x3=15)

Answer any five of the following question in not more than **ONE** page each

1   a) Barriers of Entrepreneurship.
    b) Theory of Social Change.
    c) Competition Analysis.
    d) Issues in EDP.
    e) Function of NABARD.
    f) Market Research
    g) Entrepreneurship Development.
    h) State Finance Corporation.

Section – B   (5x8=40)

Answer the following questions in not more than **FOUR** pages each:

2. a) Define the term 'Entrepreneur' and explain the important characteristics of an entrepreneur.

(OR)

    b) 'Tolerance for risk-taking is a necessary attribute for an entrepreneur'. Discuss.

3. a) Discuss about:
       i) Harvard School Theory   ii) Theory of High Achievement

(OR)

    b) What is 'Entrepreneurship'? Discuss the steps involved in the process of entrepreneurship.

4. a) Discuss the need and procedure for conducting market research for a new venture.

(OR)

    b) What is 'Marketing Plan'? Explain the steps involved in marketing plan.

5. a) Define the term Entrepreneurship Development Programme (EDP) and discuss the need for EDP.

(OR)

    b) Is training required for entrepreneurship development? If required, what are the methods used in training?

6. a) Explain the need and importance of financial institutions in India for promoting entrepreneurship.

(OR)

    b) Write briefly about: i) SIDBI   ii) IDBI

Section – C (Compulsory)   (1x15=15)

Mr. Dinesh after completing his masters in maths stream is interested in opening a business unit. He wants to do a market survey before deciding the nature of business to be started by him.

You as a management consultant, guide him about:

i)   How to analyse Industry and Competition.
ii) Financial Institutions which can help in raising funds by him to do business.

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FACULTY OF SOCIAL SCIENCES
M.A. (APE: 5-YIPGP) VII – SEMESTER REGULAR EXAMINATIONS, DEC-2017
INTERNATIONAL TRADE AND FINANCE -I
PAPER – V

Time: 3 Hours]   [Max. Marks: 70

Note: Answer all questions from Section – A and Section – B

Section – A   (5x4=20)

Answer the following questions in not more than **ONE** page each:

1. Opportunity costs.

2. Role of technology.

3. Importance of gains from trade.

4. Importance of quotas.

5. Balance of payments.

Section – B   (5x10=50)

Answer the following questions in not more than **FOUR** pages each:

6.   a) Explain the absolute advantage theory of international trade.
         (OR)
     b) Discuss the theorem of factor price equilibrium.

7.   a) Discuss the role of dynamic factors in international trade.
         (OR)
     b) Discuss the measurement of intra-industry trade.

8**.**   a**)** Explain the Trade as an engine of Economic Growth.
         (OR)
     b) How are the gains from trade measured?

9.   a) Explain the non-tariff barriers and its implication of international trade**.**
         (OR)
     b) Discuss the trade under imperfectly competitive market.

10. a) Explain the implication of equilibrium and disequilibrium in the balance of payments.
         (OR)
     b) How balance of payments can be corrected? Explain.

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FACULTY OF SCIENCE
M.Sc. (PCH-5YIPGP) VII-SEMESTER REGULAR EXAMINATIONS, DEC-2017
ORGANIC REACTION MECHANISM AND SYNTHETIC REAGENTS
PAPER – V

Time: 3 Hours]   [Max. Marks: 70

Note: Answer all the following questions from Section-A and Section-B

Section – A   (5x4=20)

Answer the following questions in not more than **ONE** page each:

1. Comment on the regioselectivity and stereoselectivity of E1 elimination reaction.
2. What are ambident nucleophiles.
3. What are electrophilic metal hydrides? Explain the mechanism of reduction of carboxylic acid functional group by BH_3.
4. Explain the mechanism of witting reaction and mention its limitations.
5. Give one example for reaction of organosilicon reagents involving β-carbocation.

Section – B   (5x10=50)

Answer the following questions in not more than **FOUR** pages each:

6 a) Explain the mechanism of bromination and dihydroxylation using OsO4 of *trans*-2-butene.

(OR)

   b) Describe the applications of NMR spectroscopy for the determination of reaction mechanism.

7 a) Define anchimeric assistance and Explain the NGP of a π-bond and Oxygen atom.

(OR)

   b) Write the Benzyne mechanism and comment on the structure of benzyne and evidences in favour of it.

8 a) Describe Woodward dihydroxylation of alkenes and Prevost modification and comment on the different stereoselectivity in both the methods.

(OR)

   b) Give the mechanism of Fmoc and Boc protection and deprotection of amines.

9 a) Give one preparation method and two synthetic applications of Organo boranes.

(OR)

   b) Mention one example each for
       i) Mannich reaction
       ii) Robinson annulations
       iii) Horner-Emmons olifination

10 a) Write the mechanism for
       i) LiAlH$_4$ reduction of carbonyl compounds   ii) Swern oxidation

(OR)

   b) Comment on
       i) Umpolung (reversal of polarity)
       ii) Stereoselectivity of E2 reactions.

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FACULTYOF BUSINESS MANAGEMENT
IMBA VII – SEMESTER REGULAR EXAMINATIONS, DEC- 2017
STATISTICS FOR MANAGEMENT
PAPER – V

Time: 3 Hours]   [Max. Marks: 70

Section – A   (5x3=15)

Answer the following questions in not more than **ONE** page each:

1. Features of Statistics.
2. Parametric Tests.
3. Types of Hypothesis.
4. Components of Time Series Analysis.
5. Two Way ANOVA.

Section – B   (5x8=40)

Answer the following questions in not more than **FOUR** pages each:

6. a) Define Statistics. Explain its significance in business decision making.

(OR)

b) Find mean, median and mode for the following data.

No. of Workers (Class)	0-10	10-20	20-30	30-40	40-50	50-60
No. of Companies	15	17	22	25	13	08

7. a) Define Sampling. Explain probability and non-probability sampling methods.

(OR)

b) Explain the steps involved in hypothesis testing.

8. a) What is small sample test? Explain with an example.

(OR)

b) The following are number of words per munity which a secretary typed on several occasions on three different type writers.

Type writer-I	71	78	70	69	77	72	65	69
Type writer-II	74	76	72	70	69	68	72	73
Type writer-III	70	72	66	64	63	67	69	70

Test whether the difference among the mean of three samples (typewriters) can be attributed to chance. You may use a five percent level of significance. (Given: Table value of F^2_{21} with 5% level of significance is 3.47)

9. a) Calculate the Kruskal-Wallis Test statistics for the following data.

College A	College B	College C
25	60	50
70	20	70
60	30	60
85	15	80
95	40	90
90	35	70
80	-	75

(OR)

b) What are non-parametric tests? Explain any one of them.

10. a) Calculate Karl Pearson's coefficient of correlation between expenditure on advertising and sales from the data given below:

Advertising expenses (000 Rs.)	39	65	62	90	82	75	25	98	36	78
Sales (lakh Rs.)	47	53	58	86	62	68	60	91	51	84

(OR)

b) On the basis of the following data find;
  i) Two Regression lines.
  ii) If X = 22, then Y =?

X	35	25	29	31	27	24	33	36
Y	23	27	26	21	24	20	29	30

Section – C (Compulsory)   (1x15=15)

Manufacturing company has purchase three new machines of different makes and wishes to determine whether one of them is faster than the others in producing a certain output. Five, hourly production figures are observed at random from each machine and the results are given in Table:

	Machine A_1	Machine A_2	Machine A_3
	25	31	24
Observations	30	39	30
	36	38	28
	38	42	25
	31	35	28

Use analysis of variance technique and determine whether the machines are significantly different in their mean speeds. Use $\alpha = 5\%$. (F value is 3.89)

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FACULTY OF SOCIAL SCIENCES
M.A. (APE: 5-YIPGP) IX – SEMESTER REGULAR EXAMINATIONS, DEC-2017
ENVIRONMENTAL ECONOMICS
PAPER – V

Time: 3 Hours]   [Max. Marks: 70

Note: Answer all questions from Section – A and Section – B

<u>Section – A</u>   (5x4=20)

Answer the following questions in not more than **ONE** page each:

1. Scope of environmental economics.

2. Entropy law.

3. Private and social marginal cost.

4. Limitations of green accounts.

5. Water pollution.

<u>Section – B</u>   (5x10=50)

Answer the following questions in not more than **FOUR** pages each:

6.   a) Explain Bulding's 'Spaceship Earth' and Schumacher's 'small is beautiful' models of environment.
                (OR)
      b) Explain the theory of market failure.

7.   a) Discuss the conditions for optimal depletion of exhaustible resources.
                (OR)
      b) What is suitable development? Explain weak sustainability theory.

8.   a) What is environmental pollution? Explain optimal theory of pollution.
                (OR)
      b) Write an essay on global environmental regulations.

9.   a) Explain travel cost and averted expenditure methods of measuring environmental degradation.
                (OR)
      b) Explain the importance, objectives and procedure of environmental impact assessment.

10. a) Critically assess the working of state pollution control boards.
                (OR)
      b) Discuss the impact of green revolution techniques on environmental pollution.

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FACULTY OF SCIENCE
M.Sc. (PCH-5YIPGP) IX-SEMESTER REGULAR EXAMINATIONS, DEC-2017
ORGANIC SYNTHESIS
PAPER – V

Time: 3 Hours]   [Max. Marks: 70

Note: Answer all the following questions from Section-A and Section-B

Section – A   (5x4=20)

Answer the following questions in not more than **ONE** page each:

1. Write a short note on Functional Group Inter conversion with example.

2. Write the order of events in Organic Synthesis.

3. Write any three advantages and limitations of microwave technology.

4. Write about Suziki coupling reaction.

5. Write a short note on phase transfer catalysis.

Section – B   (5x10=50)

Answer the following questions in not more than **FOUR** pages each:

6   a) Define Strategic bond? Write the guidelines for disconnection of strategic bond.
                                   (OR)
    b) What is Chemoselectivity? Explain with suitable examples.

7   a) Explain Reversal of Polarity with examples.
                                   (OR)
    b) Explain microwave assisted reactions in organic synthesis.

8   a) Explain the following.
        i) Mc Murray reaction   ii) Buchwald – Hartwig reaction.
                                   (OR)
    b) Write about Mukaiyama Aldol reactions and stille coupling.

9   a) Explain Combinatorial synthesis with examples.
                                   (OR)
    b) Write about determination of absolute configuration using Felkin-Anh model.

10 a) Describe the Mitsunobu reaction with mechanism.
                                   (OR)
    b) i) Discuss Tandem synthesis.
        ii) Explain Synthon & Reagent with examples.
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