

Siva –Sivani Degree College
B.sc – II R, IV Semester, Statistical Inference
S4 Important questions, Statistics

UNIT -1

1. Define Simple and composite hypothesis with examples.
2. Define null and alternative hypothesis with examples.
3. Define Critical region
4. Define type I and type II errors.
5. Define level of significance and power of the test.
6. Define one tailed and Two-tailed tests.
7. Define randomized and non – randomized tests.
8. State and prove NP – lemma
9. Problems on type 1 and 2 errors & NP Lemma.

UNIT -2

1. Explain the test procedure for testing of Hypothesis.
2. Explain the test procedure for single proportions.
3. Explain the test procedure for difference of proportions.
4. Explain the test procedure for single mean.
5. Explain the test procedure for difference of means.
6. Explain the test procedure for the difference of Standard deviations.
7. Define fisher's Z- transformation – its applications.
8. Explain the test procedure for single correlation coefficient s.
9. Explain the test procedure for difference of correlation coefficient s.
10. Problems from all the test procedures.
11. Define Order Statistic, state their distributions.

UNIT -3

1. Explain the test procedure of t- test for single mean and its assumptions.
2. Explain the test procedure of t-test for difference of means(independent samples)
3. Explain the test procedure of paired t-test/ related samples.
4. Explain the test procedure of t- test of an observed sample correlation co-efficient.
5. Define F- distribution and its assumptions
6. Explain the test procedure of F for equality of population variances.
7. Define chi-square test. State the conditions for validity of χ^2 test.
8. χ^2 test for population variance .
9. χ^2 test for goodness of fit.
10. χ^2 test for Independence of Attributes.
11. Yates correction for 2X 2 contingency table.
12. For a 2x2 contingency table .PT $\chi^2 = \frac{N(ad-bc)^2}{(a+b)(b+d)(a+c)(c+d)}$
13. Problems from all the test procedures.

UNIT -4

1. Define parametric and Non-parametric tests its advantages and dis advantages of non-parametric tests.
2. Describe nominal, ordinal, interval and ratio scales with examples.
3. Explain the test procedure of sign test for one – two samples.
4. Explain the test procedure of Run test for one –two samples.
5. Wilcoxon signed rank test for paired samples.
6. Median test procedure of Np tests
7. Mann-Whitney- U test
8. Problems from all the test procedures.

SIVA SIVANI DEGREE COLLEGE

IMPORTANT QUESTIONS

GROUP: BSC MSCS

SEMISTER-IV

SUBJECT: DBMS

UNIT-1

1. Explain Traditional File-Based Systems
2. Explain Advantages and Disadvantages of DBMS.
3. Explain The Three-Level ANSI-SPARC Architecture
4. Define and explain various Data Models,.
5. Explain various Functions of a DBMS.
6. Explain Components of a DBMS.
7. Explain The Relational Algebra
8. Explain Join Operations.

UNIT-2

1. Explain various SQL commands with syntax and Example programs
2. Explain SQL Aggregate Functions with syntax and example.
3. Explain queries of Grouping , ORDERING, ANY and ALL, , EXISTS and NOT EXIST,BETWEEN
4. Explain SQL Data Types and operators
5. Explain types of Integrity Constraints
6. Define Index and explain its operations.
7. Define VIEW and its operations and View Materialization
8. Explain PL/SQL control statements
9. Explain CURSORS and SUBPROGRAMS in PL/SQL
10. Explain TRIGGERS and PACKAGES in PL/SQL
11. Explain recursion and Exceptions in PL/SQL

UNIT-3

1. Explain DESIGN of ENTITY –RELATIONAL MODEL.
2. Explain various types of entities and attributes
3. Explain ER Models–Fan Traps, Chasm Traps..
4. Explain the Enhanced Entity–Relationship Modelling.
5. Explain Functional–Dependencies: Anomalies,.
6. Explain the step by step process of Normalization.
7. Draw E-R diagram for university management system

UNIT-4

1. Explain Transaction Management ACID PROPERTIES AND Its States
2. Explain Concurrency Control mechanism
3. Explain Optimistic Techniques
4. Explain DEAD LOCK and LOCK GRANULARITY
5. Explain TIME STAMPONG methods
6. Define database BACKUP and RECOVERY and its Techniques
7. Explain Database Security and computer based security TOOLS

SIVA SIVANI DEGREE COLLEGE

ENGLISH

IMPORTANT QUESTIONS

Class: II R

UNIT-6

Faculty : S.Vijaya

Poem: The Flower -Summary

Prose: The Kite Maker – Summary

Vocabulary: Commonly confused words

Grammar: Determiners

UNIT-7

Poem: Ecology -Summary

Prose: ‘What’s the language of Future’ – Summary

Vocabulary: Indianism

Grammar: Framing Questions.

UNIT-8

Poem: Television -Summary

Prose: The Fringe benefits of failure and importance of Imagination –
Summary

Vocabulary: One word substitutes

Grammar: Relative Clause

UNIT-9

1. Review Writing – Film Review

- a. Describe the process of writing a Film Review.
- b. Explain the structure of a Film Review.
- c. Write a review of a film you have enjoyed watching.
- d. Write a review of a film you did not enjoy watching.

2. . Review Writing –Book Review

- a. Explain the difference between a Book Report and a Book Review.
- b. Describe the process of writing a Book Review.
- c. Explain the structure of a Book Review.
- d. Write a review of a book of Fiction (Book with a Story)
- e. Write a review of a book of Non-Fiction (Book with an Argument)

Vocabulary –Film Vocabulary and Literary Vocabulary

Grammar – Conditionals

Unit 10

CV Writing

- a. Difference between Bio-Data, Resume and CV (1 Mark)
- b. Difference between Bio-Data, Resume and CV (10 Marks)
- c. What are the general Guidelines to write a CV?
- D. Describe the structure of Chronological CV?
- E. Learn all the Four Questions from page No: 184 with Covering Letter.
- F. Explain the difference between Chronological and Functional CV.
Describe the structure of Functional CV.
- H. Learn all the Four Questions from page No: 188 with Covering Letter.

Vocabulary-Appropriacy

Grammar-Common Errors

Siva Sivani Degree College, Kompally
(Year-II, Sem-IV (Sanskrit))

Important Questions

Unit - I ⇒ ① 'चित्रपटदर्शनम्' - (भवभूतिः)

* भवभूतिपरिचयः (Introduction of भवभूति)

* प्रतिपदार्याणि (1-16 Poems)

Word to word meanings.

* Poem translations (1-16 Poems)

Note - These translations are taken from प्रतिपदार्याणि only.

② 'विवेकानन्दविजयम्' - (श्रीधर भास्कर वर्णेकरः)

* श्रीधरभास्करवर्णेकरपरिचयः (Introduction)

* सन्दर्भाणि (1-9) Annotations.

Unit - II ⇒ ③ 'विश्रुतचरितम्' - (दण्डिमहाकविः)

* दण्डिमहाकविपरिचयः (Introduction)

* Long ans. निबन्धप्रश्नः

④ 'ध्रुवोपाख्यानम्' - (पि. वि. काणे)

* पि. वि. काणे परिचयः (Introduction)

* Long ans. निबन्धप्रश्नः

Unit - III ⇒ ⑤ 'दकारकथा' - (बृहदारण्यकोपनिषद्)

* सन्दर्भाणि (1-2) Annotations.

* Long ans. निबन्धप्रश्नः

⑥ 'नचिकेतोपाख्यानम्' - (कठोपनिषद्)

* सन्दर्भाणि (1-9) Annotations.

* Long ans. निबन्धप्रश्नः

Unit - IV ⇒ ⑦ 'महाकविशास्त्रकारविभागः' (Introductions) 1-5.

* आर्यभटः, भास्कराचार्यः, कणादः, शङ्कराचार्यः, भासः ।

⑧ 'अलङ्काराणि' (Alankaras) 1-6.

* उपमेयोपमा, अर्थान्तरन्यासः, काव्यलिङ्गम्,

विनोक्तिः, निदर्शना, विशेषोक्तिः ।

Unit - V ⇒ ⑨ 'कृदन्तरूपाणि' (Root + Participle = Result).

* क्त्वा, ल्यप्, तुमुन्, क्त, क्तवत्, शतृ, शानच्, तव्यत् ।

Siva Sivani Degree College, Kompally

Exam Pattern - Sem IV

संस्कृतम्, Year-II

Part - A

5 X 4 = 20 M.

- १) ससन्दर्भं व्याख्यात। Annotations. (विवेकानन्दविजयम्)
- २) कविपरिचयं लिखत। Poet introductions. (दाण्डि & पि. वि. काणे)
- ३) ससन्दर्भं व्याख्यात। Annotations. (दकारकथा & नचिकैतोपाख्यानम्)
- ४) अलङ्कारस्य लक्ष्यलक्षणसमन्वयं लिखत। (Alankaras)

*** Note - Poem is compulsory for all Alankaras.

५) कृदन्तरूपाणि प्रत्यभिजानीत।

६) अनुवादत। Poem translations. (चित्रपटदर्शनम्)

७) कविपरिचयं लिखत। Poet introductions. (भवभूतिः & श्रीधर भास्कर वर्णेकरः)

८) अलङ्कारस्य लक्ष्यलक्षणसमन्वयं लिखत। (Alankaras)

Part - B

5 X 12 = 60 M.

९) प्रतिपदार्थतात्पर्याणि लिखत। (चित्रपटदर्शनम्)

Word to word meanings.

१०) निबन्धप्रश्नाः। (Long answers) 'विश्रुतचरितम्' & 'ध्रुवोपाख्यानम्'

११) निबन्धप्रश्नाः। (Long answers) 'दकारकथा' & 'नचिकैतोपाख्यानम्'

१२) महाकविशास्त्रकारविभागः। Poet introductions.

आर्यभटः, भास्कराचार्यः, कणादः, शङ्कराचार्यः, भासः, हर्षवर्धनः।

१३) कृदन्तरूपाणि प्रत्यभिजानीत।

क्त्वा, ल्यप्, तुमुन्, क्त, क्तवत्, शतृ, शानच्, तन्वत्।

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