

Organic and Inorganic physical

Important questions

hydrocarbons

Unit 1:- Organo metallic Compounds:-

10 marks

1. Explain 18 electron rule, Electron Count of mononuclear, Secondary poly-nuclear, and Substituted metal carbonyls of 3d.
2. What is Organo metallic Compounds? Write the classification of metal carbonyls. page no: 117
3. Explain Nickel carbonyl, Iron carbonyl $[Fe(CO)_5]$, $[Fe(CO)_4]$ and $[Fe_3(CO)_{12}]$.

5 marks

1. Write the Molecular Orbital Diagram of CO. page no: 122
2. Explain Synergic Effect. page no: 124

Unit 2:- Carbohydrates

10 marks

1. What is Carbohydrates. Write the classification of Carbohydrates. page no: 125
2. Write the Structure of Glucose [Aliphatic and cyclic Structure].
3. Explain the following factors:
 - a. Killiani Fisher's Synthesis
 - b. Ruff's Degradation method.
4. Write the Structure of Fructose. [Aliphatic and cyclic or Pyranose Structure].
6. Write the following conversions:
 - a. Glucose to Osazone.
 - b. Arabinose to Glucose. (Killiani Fisher Synthesis)

5 marks

1. Write the Conversion of Glucose to Fructose.
2. Explain starch $(C_5H_{10}O)_n$?
3. Write the Equation of osazone.

Unit - III: Amino Acids and proteins

10 marks

1. What is Amino acids? write the classification of Amino acids.
2. Write the preparations and properties of amino acids.
3. Write the following Equations
 - a. Strecker Synthesis \rightarrow page no: 143
 - b. Melonic Ester Synthesis \rightarrow page no: 145
4. What is proteins? write the classification and structure of proteins.

5 marks

1. Zwitter ion. \rightarrow page no: 147
2. Iso electric point \rightarrow page no: 147
3. peptide bond \rightarrow page no: 150

\Rightarrow Hetero cyclic Compounds

10 marks

1. Write the preparation and properties of pyrrole.
2. Write the preparation and properties of pyridine.
3. Write the preparation and properties of Furon.
4. Write the preparation and properties of thiophene.

5 marks

- Write the Aromaticity of pyrrole, Furon and Thiophene. \rightarrow page no: 153
- Write the Comparison of acidic and basic character of pyrrole with other Heterocyclic Compounds.
- Diels - Alder reaction. \rightarrow page no: 157

Unit: IV: Nitrohydrocarbons [Nitrogen Containing Functional groups]

10 marks

- Write the ^(Aliphatic) preparations and properties of Nitrohydrocarbons.
- Write the following reactions
 - a. Mannich reaction \rightarrow page no: 162
 - b. Michael addition reaction \rightarrow page no: 163
3. Write the preparations and properties of Nitrobenzene.

5 marks

1. Neft reaction \rightarrow page no. - 163
2. Witter mayer reaction. $[HNO_2$ reaction with Nitrohydrocarbons]

\Rightarrow Amines

10 marks

1. What is Amine? write the Distinguish of primary, Secondary and Tertiary amines. $[Hinsberg$ method].
2. write the preparation and properties of Aniline. \rightarrow page no. - 174

5 marks

1. Diazotisation \rightarrow page no. - 175
2. Iso cyanide test of Carbyl amine reaction. \rightarrow page no. - 171
3. chirality \rightarrow page no. - 176
4. write the preparation and properties of Benzene diazonium chloride.
5. Sand-mayer's reaction \rightarrow page no. - 180
6. Gattermann reaction \rightarrow page no. - 180
7. Coupling reaction \rightarrow page no. - 182

Unit-5 :- photo chemistry

10 marks

1. What is photochemistry? write the Laws of photochemistry.
2. write the following factors. \rightarrow page no. - 184 to 185
 - a. quantum efficiency \rightarrow page no. - 187
 - b. quantum yield. \rightarrow page no. - 187
3. write the Jablonski diagram. \rightarrow page no. - 190

5 marks

1. Fluorescence \rightarrow page no. - 189
2. phosphorescence \rightarrow page no. - 190

\Rightarrow Thermodynamics - I 10 marks

1. write the terms used in Thermodynamics. \rightarrow page no. - 192
2. Explain and Derive the first law of Thermodynamics. \rightarrow page no. - 196
3. write the relationship in between C_p and C_v . \rightarrow page no. - 198
4. Explain the Joule-Thomson Effect. \rightarrow page no. - 199
5. Explain Carnot (effect) cycle.
6. Explain Kirchhoff's equation \rightarrow page no. - 204

5 marks

1. Internal Energy → page no - 195
2. Enthalpy → page no - 195
3. Adiabatic Reversible expansions. → page no - 207
4. Write the comparison of differences in between Thermo-chemical reactions and photo chemical reactions.
5. Entropy → page no - 210
6. Stark-Einstein's law.
7. Third Law of Thermodynamics. → page no - 214

SKP GOVERNMENT DEGREE COLLEGE
B.Sc. DEGREE MID EXAM-II-JULY-2021
THIRD YEAR
VI-SEMESTER
PAPER: CLUSTER-C1- ORGANIC SPECTROSCOPIC TECHNIQUES

Time: 1hr

Max.Marks:15

SECTION-A
Answer any three questions

(3*5 = 15 Marks)

1. Explain Frank-Condon Principle?
2. Explain the ESR spectrum of Benzene anion?
3. Explain the shielding and de shielding effects in NMR?
4. Write about the polyatomic spectra of poly atomic molecules/ Types of transitions in electronic spectra?
5. Explain Beer-Lamberts law and write how it is used in quantitative determination of Fe²⁺ ion?
6. Explain the theory and basic principle of ESR spectroscopy?

-----All the Best-----

1. జబ్బుగానీ పడుము వివరింపుము.
2. క్రింది వాటి పై లభ్య వ్యాఖ్య రాయుము
 - a) ప్రతిదీప్తి
 - b) స్థైర దీప్తి.
3. కాంతి క్షయ కరణం అనగానేమి దానిని ప్రభావితం చేసే అంశాలేవి.
4. గుర్తిష్ మెరుపు రకపు చర్మ పై వ్యాసం రాయుము.
5. గుర్తిష్ రెండోవ రకపు చర్మ పై లభ్య వ్యాఖ్య రాయుము.
6. కార్టైస్టిక్ ఆమ్ల సమాహతి ఎరికర్క్టిడి సూక్తి వివరింపుము
7. ఎమ్మర్క్ ల " " " "
8. కార్టైస్టిక్ సమాహతి ఎరికర్క్టిడి పై లభ్య వ్యాఖ్య రాయుము
9. ఆల్కాహిక్ ల ఎరికర్క్టిడి విధేయ వివరించుము.

— * —

Prepare All 9 Questions, you will get more +
than 50/75.

— T. J. Hendra .



SRI KRISHNADEVARAYA UNIVERSITY:: ANANTHAPURAMU
College Development Council

No.SKU/CDC/A1/II Sem/MODEL QUESTION PAPER PATTERN/2023-24

Date: 28.03.2024

From

To

THE DEAN

The Principals of all affiliated
Degree Colleges in S.K. University Area.
Ananthapuramu & Sri Satya Sai Districts.

Sir,

Sub:- S.K.University - College Development Council- Sending the pattern of UG
II Semester model question paper pattern of all subjects - Intimation - Reg.

Ref:- 1. Resolutions of the Principal's meeting No.7, dated 15.03.2024
2. Vice-Chancellor's Orders dated 27.03.2024 .

-o0o-

As per the 2nd reference cited above, I am herewith sending the Question Paper Pattern
of UG Degree 1st year II Semester of all Major, Minor, Languages and Skill courses for the
Academic Year 2023- 24.


DEAN

College Development Council
Sri Krishnadevaraya University
ANANTHAPURAMU-515003

Copy to the Director, Directorate of Examinations, S.K.University, Ananthapur for information and
take necessary action.
Copy to the P.A. to the Vice-Chancellor, S.K.University, Ananthapuramu for information.
Copy to the P.A. to the Registrar, S.K.University, Ananthapuramu for information.
Copy to file

SECTION - A

Answer any five of the following questions. Each question carries 04 marks (5 x 4 marks = 20 marks)

1	I Unit
2	II Unit
3	III Unit
4	IV Unit
5	V Unit
6	I to V Units
7	I to V Units
8	I to V Units

SECTION - B

Answer any five of the following questions. Each question carries 10 marks (5 x 10 marks = 50 marks)

1	I Unit
2	II Unit
3	III Unit
4	IV Unit
5	V Unit
6	I to V Units
7	I to V Units
8	I to V Units

Instruction to question paper Setters:

Please ensure that not more than two (2) question from each unit while preparing the question paper.

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15.3.24

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SRI KRISHNADEVARAYA UNIVERSITY :: ANANTHAPURAMU

DEGREE EXAMINATION - II SEMESTER

QUESTION PAPER PATTERN FOR ALL SKILL COURSES

TIME : 2 HOURS

MAX MARKS: 50

SECTION - A

Answer any four questions. Each answer carries 5 marks

(At least 1 question should be given from each Unit)

(4 x 5 = 20 marks)

1	
2	
3	
4	
5	
6	
7	
8	

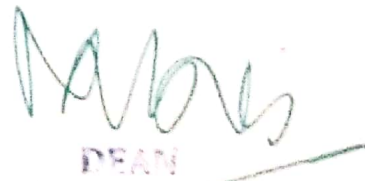
SECTION - B

Answer any three questions. Each answer carries 10 marks

(At least 1 question should be given from each Unit)

(3 x 10 = 30 marks)

1	
2	
3	
4	
5	
6	



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College Director, Skill
SRI Krishna Deva Raya University
ANANTHAPURAM-515003

Section – A (Poetry)

Answer any THREE Questions from the following.

3x5 = 15

1. Paragraph Question from "Poetry"
2. Paragraph Question from "Poetry"
3. Paragraph Question from "Poetry"
4. Paragraph Question from "Poetry"
5. Paragraph Question from "Poetry"

Section – B (Prose)

Answer any TWO Questions from the following.

2x5 = 10

6. Paragraph Question from "Prose"
7. Paragraph Question from "Prose"
8. Paragraph Question from "Prose"
9. Paragraph Question from "Prose"

Section – C (Non-Detailed)

Answer any THREE Questions from the following.

3x5 = 15

10. Paragraph Question from "Non-Detailed"
11. Paragraph Question from "Non-Detailed"
12. Paragraph Question from "Non-Detailed"
13. Paragraph Question from "Non-Detailed"
14. Paragraph Question from "Non-Detailed"

Section – D (Writing Skills – I)

Answer any THREE Questions from the following.

3x5 = 15

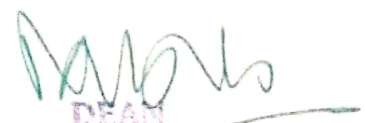
15. Conversion of Words - 5
16. One Word Substitutes - 5 (with multiple choice)
17. Collocations - 5
18. Paragraph Question from Skimming and Scanning
19. Reading Comprehension - Passage/Stanza from the Texts prescribed

Section – E (Writing Skills – II)

Answer any THREE Questions from the following.

3x5 = 15

20. Question on Note Taking/Making
21. Question on Expansion of an India
22. Question on Notices, Agenda, and Minutes
23. Question from Resume
24. Question from Letter Writing / e-Correspondence


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College Development Council

SRI KRISHNA DEVARAYA UNIVERSITY, ANANTNAPURAMU
B.A, B.COM, B.SC, BCA, BBA DEGREE EXAMINATIONS
SECOND SEMESTER
GENERAL TELUGU
SRUJANATMAKA RACHANA

Time: 3 Hours

Max. Marks: 70

అ-విభాగము

క్రింది వానిలో ఐదింటికి సంక్షిప్త సమాధానాలు వ్రాయండి. 8 వ ప్రశ్నకు తప్పని సరిగా సమాధానము రాయాలి. ప్రతి జవాబుకు 4 మార్కులు

5 x 4 = 20 marks

1. భాషకు సంబంధించిన నిర్వచనాలను తెలపండి.
2. భాష యొక్క ఆవశ్యకతను తెలపండి.
3. అనువాదమును నిర్వచించండి.
4. వార్తలను నిర్వచించండి.
5. వ్యాస లక్షణాలను తెలపండి.
6. తెలుగు వారు భాష పట్ల చేసుకోవలసిన నియమాలు ఏవి?
7. తెలుగు వెబ్ సైట్ లను పేర్కొనండి.
8. క్రింది అంశాన్ని తెలుగులోకి అనువాదం చేసి రాయండి.

Character is the greatest wealth. A pure incorruptible citizen is the greatest asset of our Nation. Therefore good character is to be given top priority, value upon this depends our nation's welfare and its future stability.

ఆ-విభాగము

క్రింది అన్ని ప్రశ్నలకు సమాధానాలు వ్రాయండి. ప్రతి జవాబుకు 10 మార్కులు

5 x 10 = 50 Marks

9. ఏ . భాషోత్పత్తి వాదాల గురించి రాయండి.

లేదా

బి. భాష నిర్మాణంలో వర్ణము, పదం, వాక్యాలు ప్రాధాన్యతను వివరించండి.

10. ఏ . అనువాద పద్ధతులను వివరించండి.

లేదా

బి. అనువాద సమస్యలు, వాటి పరిష్కార మార్గాలను రాయండి.

11. ఏ . వార్తను నిర్వచించి, వార్త లక్షణాలను తెలపండి.

లేదా

బి. పాడ్ క్యాస్టింగ్ అంటే ఏమిటి ? వివరించండి.

12. ఏ . తెలుగు వ్యాసం ఆవిర్భావ వికాసాలను తెలపండి.

లేదా

బి. జంగాల శాస్త్రి స్వభాష గురించి చెప్పిన అంశములు ఏవి.

13. ఏ . తెలుగు లిపిని పరిచయం చేసి. యూనికోడ్ ఆవిర్భావ విశేషాలను తెలపండి.

లేదా

బి. బ్లాగులో రకాలను తెలపండి.

-X-X-X-

బసెట్టి క్రిష్ణయ్య, తెలుగు అధ్యాపకులు, బి.ఓ.ఎస్. చైర్మన్, తెలుగు విభాగము, ఎస్.ఎస్.సి.ఎస్.డిగ్రీ కళాశాల, గుంతకల్లు, రెవెన్యూ
ANANTHAPURAM-515003

SRI KRISHNA DEVARAYA UNIVERSITY ANANTAPURAMU
UG DEGREE HONOURS MODEL QUESTIONS PAPER
FOR LANGUAGE URDU II SEMESTER 2023-24

MAX MARKS:70

TIME:3 hrs.

SECTION-A (Total 5x4=20 Marks)

Answer Any Five of the following Questions

Each Question Carries 4 Marks

(At least One Question should be given from each Unit)

1	
2	
3	
4	
5	
6	
7	
8	
9	
10	


SECTION-B (Total 5x10=50 Marks)

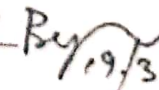
Answers Any Five of the following Questions

Each Question carries 10 Marks

(At least One Question should be given from each Unit)

11(a)	
(b)	or
12(a)	
(b)	or
13(a)	
(b)	or
14(a)	
(b)	or
15(a)	
(b)	or


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College Development Council
Sri Krishna Devaraya University
ANANTHAPURAMU-515003

D.S. Jaisankar By  19/3/24
BOS chairman UG SKU
Anantapurama.

Sri Krishna Devaraya University, Ananthapuramu
B.A, B.Com & B.Sc Degree Semester End Examination
Second Semester MODEL QUESTION PAPER

Subject: HINDI

Time: 3 Hrs.

Max. Marks: 70

Section - A

Answer any Five of the following Questions

5 × 4 = 20 Marks


- 1) One Question from **First Unit** of the Text Book
- 2) One Question from **First Unit** of the Text Book
- 3) One Question from **First Unit** of the Text Book
- 4) One Question from **Second Unit** of the Text Book
- 5) One Question from **Second Unit** of the Text Book
- 6) One Question from **Second Unit** of the Text Book
- 7) One Question from **Third Unit** of the Text Book
- 8) One Question from **Fourth Unit** of the Text Book
- 9) One Question from **Fourth Unit** of the Text Book
- 10) One Question from **Fifth Unit** of the Text Book

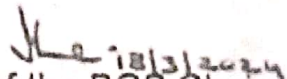
Section - B

Answer the following Five Questions

5 × 10 = 50 Marks

- 11) Two Questions from **First Unit** of the Text Book
- 12) Two Questions from **Second Unit** of the Text Book
- 13) Two Questions from **Third Unit** of the Text Book
- 14) Two Questions from **Fourth Unit** of the Text Book
- 15) Two Questions from **Fifth Unit** of the Text Book


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Sri Krishna Devaraya University
ANANTHAPURAM-515003


Signature of the BOS Chairman
(A.Sasanka Mouli),
Hindi - BOS

RS2-121
SRI KRISHNA DEVARAYA UNIVERSITY
II SENESTER SANSKRIT
QUESTION PAPER PATTERN

प्रश्नापत्र प्रणाली from 2023-2024 onwards

Time: 2 1/2 hours

Marks: 70

सूचना: प्रथमा, द्वितीय/ चतुर्थतः दशम पर्यन्तम् प्रश्नाः संस्कृतभाषायां एव समाधेयाः

Q.No.1,2,4-10 should be answered in Sanskrit only

PART-A

(Answer Any five questions 5X4=20 marks)

- 1 द्वौ श्लोकौ पूरयत । 2X2=4
(Unit - I 1st Lesson only) (नक्षत्राद्धित श्लोकेभ्यः देयाः) 2 out of 4
- 2 द्वौ श्लोकौ पूरयत । 2X2=4
(Unit - I - 2nd Lesson only) (नक्षत्राद्धित श्लोकेभ्यः देयाः) 2 out of 4
- 3 एकस्य श्लोकस्य भावमात्रं च आन्ध्रभाषायां वा आंग्लभाषायां वा लिखत । 2X2=4
(Unit - I 1st & 2nd Lessons) (नक्षत्राद्धित श्लोकेभ्यः देयाः) 2 out of 4
- 4 द्वयोः सम्पूर्ण शब्दरूपाणि लिखत। 2X2=4
(स्त्री लिङ्ग शब्दाः मात्रमेव) 2 out of 4
- 5 द्वयोः सम्पूर्ण शब्दरूपाणि लिखत। 2X2=4
(नपुंसक लिङ्ग शब्दाः मात्रमेव) 2 out of 4
- 6 द्वयोः घात्वोः निर्दिष्ट लकारे सर्वाणि रूपाणि लिखत। 2X2=4
(लकारे सर्वाणि रूपाणि) 2 out of 4
- 7 चतुर्णां नाम निर्देशपूर्वकं सन्धत्त । 4X1=4
(नामनिर्देशपूर्वकम्) 4 out of 8
- 8 चतुर्णां नाम निर्देशपूर्वकं विग्रहवाक्यानि लिखत। 4X1=4
(नामनिर्देशपूर्वकम्) 4 out of 8
- 9 द्वयोः लघुसमाधानानि लिखत। 2X2=4
(Unit - I 1st & 2nd Lessons only) 2 out of 4
- 10 द्वयोः लघुसमाधानानि लिखत। 2X2=4
(Unit - II & III 3rd & 5th Lessons only) 2 out of 4

द्वितीयोभागः(50marks)

- 11 आन्ध्रभाषायां वा आंग्लभाषायां वा अनुवदत 12 out of 4(From Unit III 6th Lessons only) 2X4= 8
- 12 निबन्धप्रश्नः (Unit I) 1 out of 2 1X10 =10
- 13 निबन्धप्रश्नः (Unit II) 1 out of 2 1X10 =10
- 14 निबन्धप्रश्नः (Unit III) 1 out of 2 1X10 =10
- 15 सन्दर्भवाक्यानि (Unit I,II &III) 4 out of 8 4X3=12

70

--Internal Assesment Mid - Sem 20 marks

Assignment / Seminar =5marks & Attendance 5marks

Total =

30

100



Dr. ASAVADI SUDHAMA VAME
M.A., M.Phil. Ph.D
Lecturer in Sanskrit
GDC-(M) Autonomous
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College Development Council
Sri Krishnadevaraya University
ANANTHAPURAM-515003