SIVA SIVANI DEGREE COLLEGE

IMPORTANT QUESTIONS

GROUP: BSC MSCS SEMISTER-II SUBJECT: C++

UNIT-1

1. Difference between OOP&POP or C & C++;
1. Explain control statements in C++;
2. Define ARRAY and write program for matrix operations
3. Define function and explain parts of functions.
4. Explain various string functions with example program.
5. Explain function calling mechanism.
6. Explain Data types and tokens and Operators in c++.
7. explain OOPs concepts in c++.
8. Explain pointers with example program.
9. explain function Overloading with example program.

UNIT-2

1. Explain Classes and Objects IN C++
2. Explain Inline function with example program.
3. Explain static member functions and classes in c++ with example programs
4. Explain friend functions and classes with example programs
5. Explain constructor and destructors with example program
6. Explain Types of constructors
7. Explain the concept of array of objects.
8. Explain constructor overloading with example program

UNIT-3

1. Explain the concept of inheritance and its types
2. Explain the multilevel and multiple inheritance with example programs
3. Explain program for multi path and hierarchal inherence with example program
4. Explain inheritance with public, private, protected data members access programs
5. Explain the concept and syntaxes of polymorphism
6. Explain operator overloading programs for binary and unary operators.
7. Explain Dynamic Binding with function overriding with example program
8. Explain virtual and pure virtual functions with example programs
9. Explain various streams classes in C++;
10. Explain various I/O formatted and unformatted functions with expel programs

UNIT-4

1. Explain the concept of Exception handling.
2. Explain exception handling technique with example program.
3. Explain program for multi catch and multi throw exceptions.
4. Explain the concept and program for object oriented exceptions.
5. Define template and explain concept for function and class template.
6. Explain the function template with example program.
7. Explain the class template with example program
8. Explain template for function overloading
9. Explain STL

SIVA SIVANI DEGREE COLLEGE

ENGLISH

IMPORTANT QUESTIONS

UNIT: 5

- **A visit of charity** -summary
- Reading comprehension : Hyderabad - Heart of Telangana
- Note making
- Soft skills : Time management
- Value orientation : 'Time and tide waits for no one'

Grammar :

a) Non finite verbs
b) Simile and metaphor
c) Spellings use of ie and ei
d) Punctuation : Semicolon
e) Phonetics : Plosives

UNIT: 6

- **Benares** -Summary
- Reading comprehension : Burrakatha
- Soft skills : Leadership
- Value orientation : 'The pen is mightier than the sword'
- Letter Writing –Informal Letters

Grammar:

a) Adjectives
b) Oxymoron and Hyperbole
c) Spellings words ending in –able or –ible
d) Punctuation : Colon and em-dash
e) Phonetics : Fricatives

UNIT : 7

- **Stanzas written in Dejection near Naples** - Summary
- Conversation : Conducting a meeting
- Reading : Flower Boat
- Letter Writing : Formal Letters
- Soft Skills : Stress Management
- Value orientation : 'Practice makes perfect'
- Annotations

Grammar :

a) Articles
b) Portmanteau words
c) Loan words
d) Spellings words ending in –al,-ance,-ence,-ic,-ity and –ive
e) Punctuations : Hyphens
f) Phonetics : Affricates and Nasals

UNIT : 8

- **Julius Caesar** -Summary
- Conversation : Interview Skills
- Reading passage : 'Handicrafts of Telangana'
- Letter Writing –Formal Letters
- Soft skills : Etiquette and Grooming
- Value orientation : 'Necessity is the mother of invention'

Grammar:

a) Adverbs
b) Palindromes
c) Spellings : Derived forms of words
d) Punctuation : Inverted comma
e) Phonetics : Approximant

FUNDAMENTALS OF COMPUTERS

B.Sc. – I -R / II Sem.

Unit wise Important Questions

Unit – I

Part – A Faculty Name : P.Shyamala

1. Define computer.
2. Discuss the characteristics of computer.
3. Explain the various applications of computer.
4. How does the keyboard work?
5. How is OCR technology better than an ordinary image scanner?
6. Difference between Human data entry device and source data entry devices.
7. How does the OMR input device work?
8. Differentiate between impact and non- impact printer.
9. Differentiate between Hard copy devices and soft copy devices.
10. What do you understand by computer memory?
11. Differentiate between primary memory and secondary memory.
12. What is BIOS? Which kind of memory is preferred in it and why?
13. Differentiate between static RAM and dynamic RAM
14. What is the various processor register? Discuss
15. Discuss about cache memory.

Part – B

1. Explain the evaluation of computer. Further state that how computer in one generation are better than their predecessors / Explain the various generation of computer in detail.
2. Broadly classify computer based on their speed and the amount of data they can store.
3. Explain the basic computer organization with a neat diagram.
4. How the input devices classified and explain them each in detail.
5. Explain the various Hard copy devices.
6. Explain the various soft copy devices.
7. Give the characteristics of the memory Hierarchy chart.
8. Explain the primary memory in detail.
9. Discuss the working of Magnetic tapes.
10. Explain about floppy disc in detail.
11. Explain the working of Magnetic disc/ Hard disc.
12. How is data stored an optical storage device? Explain.
13. Write a note on USB flash devices.
14. Discuss about Memory cards.
15. Explain about Mass storage devices in detail
16. Draw & Explain the basic architecture of a processor.

Unit – II

Part – A

1. What is a binary language?
2. Explain the process of converting a binary number into decimal with an example.
3. Differentiate between packed and unpacked BCD representation.
4. Give the grey code for the decimal 27
5. What is Boolean Algebra.
6. Explain about Venn diagram.
7. Draw truth table for Z = A$\cap$ (B$\cap$C)
8. Differentiate between computer hardware & Software.
9. What is booting?
10. Difference between compiler and interpreter.
11. How is application software different from system software.
12. Discuss about Firmware & Middleware.
13. Write short notes on logic gates with trust table.
14. Write about universal gates.
15. Draw logic diagram for any given expression example (A.B +C'D) + (A'+D)

Part – B

1. Describe the general procedure to convert a number from any base system into decimal equivalent. Explain with an example for each.
2. Describe the general procedure to convert decimal number into a number of any base system. Explain with an example.
3. How are signal number represented in the binary form.
4. Problems converting binary to any number system
   Example : $(1011.001)_2$ = $()_{10}$, $()_8$, $()_{16}$
5. Problems converting decimal to any number system
   Example : $(634.562)_{10}$ = $()_2$, $()_8$, $()_{16}$
6. Explain about BCD codes in detail.
7. Discuss on other codes like ASCII code, EBCID code, weighted code and gray code.
8. Explain the various Boolean laws in Boolean algebra.
9. Draw a K map and simply the given the any expression
   Example (i) f (x,y,z) = (0,2,3,4,6,7)
   (ii) Y = ABC + ABC + ABC + ABC
10. Explain the classification of computer software in detail
11. Explain the various ways of acquiring computer software.

Siva Sivani Degree College, Kompally

Year - I, Sem - II (Sanskrit)

Important Questions

Unit - I ⇒ ① 'सक्तुप्रस्थस्य महत्वम्' - (वेदव्यासः)

* अनुवदत (1-10 Poems)
  Translations of the poems.
* सन्दर्भाणि (1-8 Annotations)
  Annotations.

② 'बुद्धस्य वैराग्योदयः' - (अश्वघोषः)

* प्रतिपदार्थाणि (1-16 Poems)
  Word to word meanings.

Unit - II ⇒ ③ 'वैज्ञानिक संहिता' - (श्रीरामचन्द्रुडु)

* श्रीरामचन्द्रुडु परिचयः.
* निबन्धप्रश्नः (Long ans.).

④ 'न गङ्गदत्तः पुनरेति कूपम्' - (विष्णुशर्मा)

* सन्दर्भाणि (1-8 Annotations)
  Annotations.
* निबन्धप्रश्नः (Long ans.).

Unit - III ⇒ ⑤ 'दैवासुरसम्पद्विभागयोगः' - (वेदव्यासः)

* श्लोकपूरणम् (1-8 Poems)
  Poem writing.

⑥ 'धातवः' (Dhatus) - 1-10.

Unit - IV ⇒ ⑦ 'समासाः' (Samasas) * 'अव्ययीभाव, द्विगु, तत्पुरुष, द्वन्द्व, कर्मधारय, बहुव्रीहिः' ॥

Siva Sivani Degree College, Kompally

New Pattern (Sem-II)

संस्कृतम्, Year-I

Part - A

4 X 5 = 20 M.

१) अनुवदत । Poem translations. (सत्कुप्रस्थस्य महत्वम्)

२) ससन्दर्भं व्याख्यात । Annotations. (न गङ्गदत्तः पुनरेति कूपम्)

३) श्लोकं पूरयत । Poem writing. (दैवासुरसम्पद्विभागयोगः)

४) ससन्दर्भं व्याख्यात । Annotations. (सत्कुप्रस्थस्य महत्वम्)

५) कविपरिचयौ । Introductions. (आचार्य पुल्लेल श्रीरामचन्द्रुडु)

१
भगवद्गीता

६) समासनाम लिखत । (Samasa name writing)

Part - B

4 X 15 = 60 M.

७) प्रतिपदार्थतात्पर्याणि लिखत । (बुद्धस्य वैराग्योदयः)
Word to word meanings.

८) निबन्धप्रश्नाः । (Long answers). ['वैज्ञानिक संहिता' / 'न गङ्गदत्तः पुनरेति कूपम्']

९) सम्पूर्णतया धातुरूपाणि लिखत । (Dhatus)

१०) समासनामनिर्देशपूर्वकं विग्रहवाक्यानि लिखत । (Samasas)

— × — — × —