

Siva –Sivani Degree College
B.sc – III R, VI Semester, Operations research
S8 -Important Questions, Statistics

UNIT -1

- 1) Define OR. Explain the nature of operations research and its applications.
- 2) Define convex sets and their properties.
- 3) Definition of GLPP and Formulation of LPP.
- 4) Problems on mathematical formulation.
- 5) Explain the procedure of graphical method and its problems.
- 6) Explain the procedure of simplex method and its problems.
- 7) Explain the procedure of Big-M (or) Penalty method and its problems.
- 8) Explain the procedure of Two – phase simplex method and its problems.
- 9) Explain the concept of Degeneracy.
- 10) State and prove Fundamental theorem of LPP.
- 11) Define the following terms.
 - a) Slack and surplus variables
 - b) Artificial variables
 - c) feasible solution & BFS & optimum solution

UNIT -2

1. Define Duality of LPP. Explain Dual _primal relationship, statement of fundamental theorem of duality.
2. Define Transportation problem .explain TP as a special case of LPP.
3. Explain briefly
 - a) North west corner rule
 - b) Matrix minima method / Least cost entry method
 - C) Vogel's Approximation method, for finding an IBFS for a TP.
4. Define Balanced – un balanced Transportation problem. And problems also(NWC, MMM & VAM)
5. Stepping stone method procedure and problems also.
6. Modi method / UV procedure and problems also.

UNIT -3

1. Explain the concept of trans-shipment problem.
2. Explain the degeneracy in TP and resolving it.
3. Define Assignment problem –its mathematical formulation. and Assignment problem as a special case in TP
4. Explain Hungarian method of Assignment problem. And its problems.
5. Define Travelling salesman problem and its formulation. And its problems
6. Define a) balanced) unbalanced Assignment problem.
7. Define Job Sequencing. And its assumptions
8. Explain the procedure of n- jobs through 2 machines.
9. Explain the procedure of n- jobs through 3 machines.
10. Problems on 2 and 3 machines of n- jobs.

SIVA SIVANI DEGREE COLLEGE

IMPORTANT QUESTIONS

GROUP: BSC MSCS

SEMISTER-VI

SUBJECT: computer networks

UNIT-1

1. Explain Data Communication Components, Line Configuration ,transmission modes
2. Explain Topologies Advantages and Disadvantages.
3. Explain The Categories of Networks
4. Define and explain ISO Reference Model–Layered Architecture functions of layers,.
5. Explain TCP/IP Reference Model
6. Explain Transmission Media
7. Explain Categories of Multiplexing

UNIT-2

1. Explain functions of data link layer and types of ERRORS
2. Explain various ERROR Detection Methods.
3. Explain various ERROR Correction Methods
4. Explain Flow control and ERROR control Methods
5. Explain IEEE 802 project
6. Explain Ethernet-CSMA/CD.
7. Explain Implementation, Token Ring,-Token Passing, Implementation
8. Explain Implementation, Token BUS,-Token Passing, Implementation
9. Define Switching and Explain Circuit Switching, Packet Switching, Message Switching

UNIT-3

1. Explain various Networking devices
2. Explain various Internetworking Devices.
3. Explain Routing Algorithms.
4. Explain Duties of Transport Layer ,Connection
5. Explain Duties of Upper OSI Layers

SIVA SIVANI DEGREE COLLEGE
WEB TECHNOLOGIES (B.SC III R)
IMPORTANT QUESTIONS

UNIT-I:

K.SUHASINI

SHORT QUESTIONS:

1. Difference between HTML and XHTML.
2. Explain the structure of HTML document.
3. Write a note on Character Entities.
4. How to edit text in html?
5. Discuss types of tags used in html.
6. Write a note on advanced E-mail links.
7. Write a short note on <AREA> element.
8. List out <tr>,<td>,<th> attributes.
9. What are <colgroup> element.
10. How to add caption to a table.
11. Define <form> tag. List <form> attributes.
12. Difference between Get Method and Post Method.
13. Discuss <FRAME> and <Frameset> attributes.
14. What is use of <noframes> tag.

Essay Questions:

1. Explain briefly about Basic Text Formatting tags with syntax and examples.
2. Explain briefly about Presentational Elements.
3. Explain briefly about Phrase Elements.
4. Define Lists. Explain different types of Lists with examples.
5. What are Document tags? Explain various Document tags used in html.
6. Explain briefly about Attribute groups in html.
7. Define Hyperlink. Explain types of hyperlinks.
8. Discuss how to customize links to various sources in HTML.
9. How hyperlink differs from hyper image.
10. How to add images over a webpage? Explain various attributes of tag with suitable example.
11. What is Image Mapping? Why it is required? Explain it with suitable example.
12. How to add flash videos over web pages?
13. How to add videos and audios over web pages?
14. Explain briefly about tables in html.
15. Explain how to split a table in sections. Explain with an example.

16. What is meant by nesting of tables? Explain it with an example.
17. Explain how to group different sections of a table.
18. Define form. Explain various form controls with examples.
19. Explain <form> and <input> elements used in HTML forms with examples.
20. Define Text area. Explain <TEXTAREA> tag and its attributes.
21. What is file upload control? Explain its working with suitable examples.
22. Explain the various methods that a web browser uses to send form data to the web server.
23. Why frames are created in HTML? Discuss vertical and horizontal frameset with example.
24. How to create links between frames.
25. Discuss how to set a default target frame using <base> element.
26. What is inline frame? Explain it with an example.
27. Explain nesting of frames with relevant examples.

UNIT-II:

Short Questions:

1. Write a note on Cascading style sheets.
2. Define CSS Rules.
3. Write a note on Comments in CSS.
4. Write a short note on site's audience.
5. Define CSS levels.
6. Write a note on Lengths.
7. What are the miscellaneous properties?
8. What is CSS Rules overriding?
9. Difference between fixed width and liquid design.

Essay Questions:

1. Define CSS. Explain its advantages and disadvantages.
2. Describe CSS Id and Class Selectors with suitable example

Or

Define user-defined css selectors for css rules.

3. Explain various CSS properties.
4. Explain briefly about Box Model with an example.
5. Explain CSS Embedding techniques with examples

Or

Explain briefly about types of CSS with examples.

6. Explain briefly about CSS Links, CSS lists, CSS tables with examples.
7. Explain about CSS Outline.

8. Explain about pseudo classes and generated classes.
9. Explain briefly about positioning and layout with CSS.
10. What is Typography in CSS? Explain with an example.
11. Explain various design issues(navigation,tables,forms).
12. How code ur designing page developed for mobile design.
13. Describe in brief about composition and grid.
14. Discuss various short comings of static web document.
15. Explain the working of following tags:
 - (i) <style>
 - (ii) <link>

UNIT-III:

Short questions:

1. Difference between client-side scripting and server-side scripting.
2. What is the purpose of Javascript statements?
3. Write a short note on java script code blocks.
4. Explain the scope of variables in javascript code.
5. What are datatypes?
6. What are meta tags?
7. Write a note on Banner Advertisements.
8. How to test site?

Essay Questions:

1. Define Javascript. Explain its features and benefits of javascript.
2. Explain briefly about javascript tokens.
3. Define control structures. Explain various control structures with examples.
4. Discuss various steps to create and use a user-defined function in javascript.
5. How to embed javascript code in HTML document? Explain it with suitable example.
6. What are javascript objects? Explain the various ways of creating objects in javascript with suitable example.
7. Explain Document Object Model in detail.
8. Describe Event, Event Handling and Event Handler. Discuss how event handling is important.
9. Explain the following events with suitable examples.
 - i. onclick and ondblclick
 - ii. onLoad and onUnload
 - iii. onKeyDown,onKeyUp and onKeyPress
10. Define Array. How to create array in javascript.
11. Define Function. Explain predefined functions with an example.

12. Explain briefly about strings with examples.
13. Explain briefly about form validation with an example.
14. Explain about javascript libraries.
15. Explain about meta tags?
16. What are the various web hosting considerations? Explain.
17. Explain how to register and choose Domain name.