



List of Internal Grievances

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VIGNAN'S INSTITUTE OF MANAGEMENT AND TECHNOLOGY FOR WOMEN

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Approved by AICTE, New Delhi & Affiliated to JNTUH, Hyderabad.

Kondapur (V), Ghatkesar (M), Medchal - Malkajgiri (D) - 501 301 Phone: +91 96529 10002/3



Format for Internal Examination Grievances

Academic Year: 2023-24

Subject Name: Antenna & Propagation

To,

The Subject Teacher

G. Susmitha Madam.

Date: 9/8/2024

Branch: ECE

Sir/Madam,

I, B. Poornitha bearing roll number 21UPIA0404
studying III B.Tech. II Semester ECE requesting you to
consider the following corrections in my Objective/Descriptive answer script.

Counting mistake/Marks not included in total/Answer not corrected.

Less marks given for question 2.

(Mention Question Number)

2 Q. (b).

Subject Teacher comment and Sign: Marks awarded to Question 2(b)

Head of the Department
Electronics and Communication Engineering
Vignan's Institute of Management & Technology For Women
Kondapur (V), Ghatkesar (M), Medchal-Malkajgiri (D) - 501 301



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Kondapur Vill, Ghatkesar Mandal, Medchal (Dist.) - 501301.

B. Tech. Internal Examination Answer Booklet



Sl.No. **2137**

Student Name	B. Poojitha			Year & Semester	II - II
Hall Ticket No.	210PIA0404	Branch	ECE	Mid	II
Subject Name	Antennas and Propagation			Date of Exam	6-08-24

B. Poojitha
Signature of the Student

Signature of the Invigilator

Objective Total	Q. No.	1	2	3	4	5	6	Descriptive Total	Marks Obtained
10	a		5	10				$\frac{20}{20}$	20
	b		5						
	Total		10	10				$\frac{40}{40}$	Maximum Marks

Name & Signature of the Examiner

Signature of the Student

2b) wave tilt:-

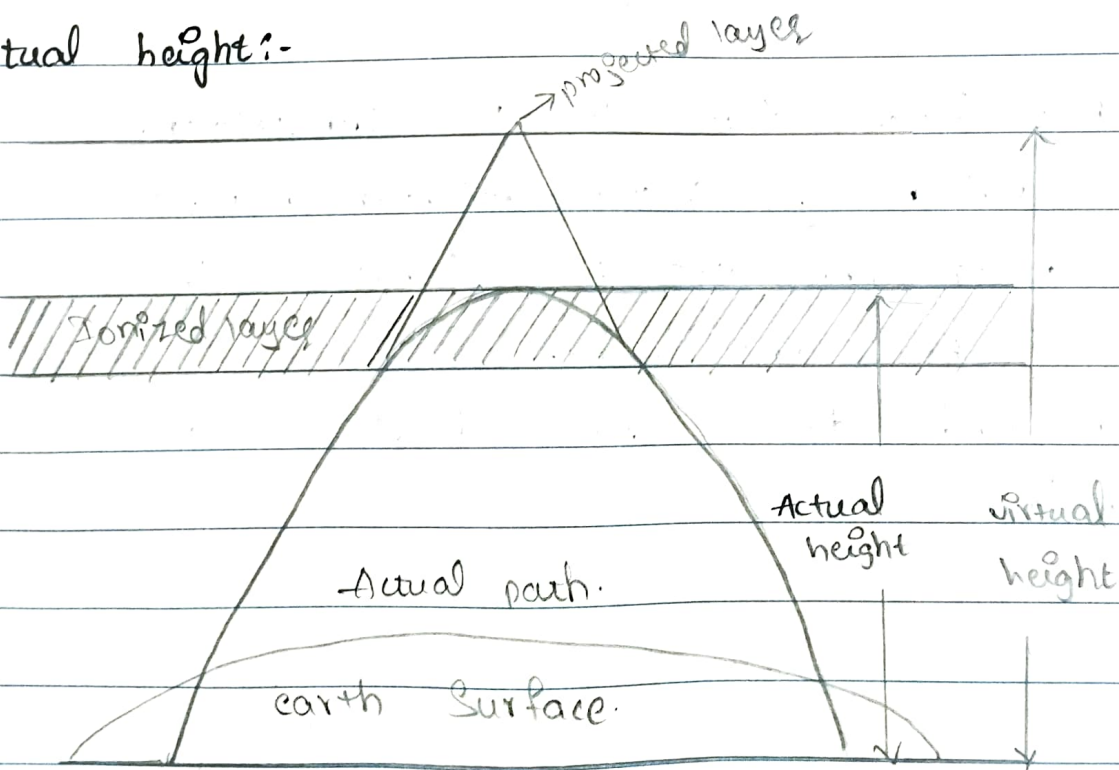
* wave tilt is also known as angle tilt.

* wave tilt is defined as orientation of vertically polarized waves to the ground surface is known as wave tilt.

* Due to wave tilt vertically polarized and horizontally polarized waves are exists.

* Due to wave tilt surface of earth is elliptical.

Virtual height:-



* Virtual height is nothing but upward of vertically incidence and reflected back to back to down toward to the earth surface due to ionized layer.



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Format for Internal Examination Grievances

Academic Year: 2023-24

Subject Name: EMTL

To,

The Subject Teacher

D. Shriisha maam

Date: 19.07.2024

Branch: ECE

Sir/Madam,

I, B. Harini bearing roll number 22UP1A0411
studying II B.Tech. II Semester ECE requesting you to
consider the following corrections in my Objective/Descriptive ✓ answer script.

Counting mistake/Marks not included in total/Answer not corrected.

Less marks given for Question No. 4

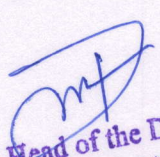
(Mention Question Number)

4Q

Subject Teacher comment and Sign:

Added two more marks to Q.No-4

Suf.


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B. Tech. Internal Examination Answer Booklet



Sl.No.

2473

Student Name	B. Hanini			Year & Semester	II - II
Hall Ticket No.	220PIA0411	Branch	ECE	Mid	2
Subject Name	EmTL			Date of Exam	15.7.24

B. Hanini

Signature of the Student

Art

Signature of the Invigilator

Objective Total	Q. No.	1	2	3	4	5	6	Descriptive Total	Marks Obtained
9/10	a			3	10	10		28/40	23
	b			5					30
	Total			8	10	10			Maximum Marks

Name & Signature of the Examiner

Signature of the Student

PART-A

- | | |
|---------------------|------------------------------|
| 1) a ✓ | 11) V.D |
| 2) b ✓ | 12) $\sqrt{\frac{Watt}{2}}$ |
| 3) b ✓ | 13) α |
| 4) b ✓ | 14) zero |
| 5) a ✓ | 15) α |
| 6) a ✓ | 16) characteristic impedance |
| 7) a a ✓ | 17) 1033 |
| 8) d d ✓ | 18) $V_{TE} = \frac{2B}{I}$ |
| 9) a ✓ | 19) linear |
| 10) a ✓ | 20) short conductor |

Ans:- Wave propagation in good conducting and good dielectric medium

$$\sigma = \infty, \quad \epsilon = \epsilon_0 \epsilon_r, \quad \mu = \mu_0 \mu_r.$$

$$\sigma \gg \omega \epsilon.$$

$$\frac{\sigma}{\omega \epsilon} \gg 1$$

1) Propagation Constant:

$$\gamma = \sqrt{j\omega\mu(\sigma + j\omega\epsilon)}$$

$$\gamma = \sqrt{j\omega\mu\sigma \left(1 + \frac{j\omega\epsilon}{\sigma}\right)}$$

$$\gamma = \sqrt{j\omega\mu\sigma (1)}$$

$$\gamma = \sqrt{j\omega\mu\sigma}$$

2) Attenuation Constant:

$$\alpha = \omega \sqrt{\frac{\mu\epsilon}{2} \left[\sqrt{1 + \left(\frac{\sigma}{\omega\epsilon}\right)^2} - 1 \right]}$$

$$\alpha = \omega \sqrt{\frac{\mu\epsilon}{2} \left(\sqrt{\left(\frac{\sigma}{\omega\epsilon}\right)^2} - 1 \right)}$$

$$\alpha = \omega \sqrt{\frac{\mu\epsilon}{2} \cdot \frac{\sigma}{\omega\epsilon}}$$

$$\alpha = \sqrt{\omega} \sqrt{\frac{\mu\sigma}{2}}$$

$$\alpha = \sqrt{\frac{\omega \mu \sigma}{2}}$$

$$\alpha = \sqrt{\frac{\omega \mu_0 \mu_r \sigma}{2}}$$

3) Phase constant:

$$\beta = \omega \sqrt{\frac{\mu \epsilon}{2} \left(\sqrt{1 + \left(\frac{\sigma}{\omega \epsilon}\right)^2} + 1 \right)}$$

$$\beta = \omega \sqrt{\frac{\mu \epsilon}{2} \left(\sqrt{\left(\frac{\sigma}{\omega \epsilon}\right)^2} \right)}$$

8 ~~$$\beta = \sqrt{\frac{\omega \mu_0 \mu_r \sigma}{2}}$$~~

4) phase velocity:

$$v_p = \frac{\omega}{\beta}$$

$$= \frac{\omega}{\sqrt{\frac{\omega \mu_0 \mu_r \sigma}{2}}}$$

$$v_p = \omega \sqrt{\frac{2}{\omega \mu_0 \mu_r \sigma}}$$

$$v_p = \sqrt{\frac{2\omega}{\mu_0 \mu_r \sigma}}$$



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UPEE & ECE

Format for Internal Examination Grievances

Academic Year: 2023-24

Subject Name: ESD

To,

The Subject Teacher

E. Nagaraju Sir,

Date: 10/08/2024

Branch: ECE

Sir/Madam,

I, B. Poojitha bearing roll number 21UPIA0404
studying III B.Tech. II Semester ECE requesting you to
consider the following corrections in my Objective/Descriptive answer script.

Counting mistake/Marks not included in total/Answer not corrected.

not given marks for correct answer.

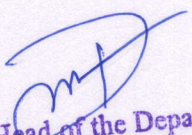
(Mention Question Number)

part B: Q.No.(13)

Subject Teacher comment and Sign:

verify the answer and given marks to

Q.No 13.


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Electronics and Communication Engineering
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B. Tech. Internal Examination Answer Booklet



Sl.No.

6491

Student Name	B. Poojitha			Year & Semester	II - II
Hall Ticket No.	21UPTA0404	Branch	ECE	Mid	II
Subject Name	Embedded System Design			Date of Exam	7-08-24

Signature of the Student

Signature of the Invigilator

Objective Total	Q. No.	1	2	3	4	5	6	Descriptive Total	Marks Obtained
8.5 10.5	a	9			10			19 20	18.5
	b								20
	Total		9			10		19.5 20	Maximum Marks

Name & Signature of the Examiner

Signature of the Student

Part-B

- 1) A
- 2) A
- 3) A
- 4) C
- 5) B
- 6) D
- 7) A
- 8) A
- 9) B
- 10) B
- 11) American Standard code for information Interchange
- 12) watchdog timer
- 13) RTOS
- 14) The ability of an operating system have multiple programs in memory or CPU/process switch the execution from one task to another task is known as multitasking
- 15) queue based
- 16) Video Streaming
- 17) Process
- 18) d
- 19) mutex
- 20) a



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WOMEN EMPOWERMENT

Format for Internal Examination Grievances

Academic Year: 2023-24

Subject Name: IES

To,

The Subject Teacher

G. Ganesh Sir.

Date: 31/05/2024

Branch: IT

Sir/Madam,

I, G. S/oka bearing roll number 21UPIA1215
studying III B.Tech. II Semester IT requesting you to
consider the following corrections in my Objective/Descriptive answer script.

Counting mistake/Marks not included in total/Answer not corrected.

(Mention Question Number)

Q.No. (16)

Subject Teacher comment and Sign: Marks awarded to question no. 16

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Electronics and Communication Engineering
Vignans Institute of Management & Technology For Women
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Kondapur Vill, Ghatkesar Mandal, Medchal (Dist.) - 501301.



B. Tech. Internal Examination Answer Booklet

Student Name	G. Sloka		Year & Semester	III, II
Hall Ticket No.	21UPIA1215	Branch	IT	Mid
Subject Name	DES		Date of Exam	28/5/24

Signature of the Invigilator

Name & Signature of the Examiner

Q. No.	1	2	3	4	Descriptive Total	Objective Total	Marks Obtained
a	8 1/2		8 1/2		17	8 1/2	17 1/2
b					8 1/2		20
Total	8 1/2		8 1/2				Maximum Marks

Part-A

1. D ✓
2. B ✓
3. A ✓
4. D ✓
5. A ✓
6. B ✓
7. A ✓
8. B ✓
9. A ✓
10. C ✓

- 11) Special purpose embedded system used to develop intended functions only.
- 12) Apollo guidance Computer (AGC)
- 13) Digital electrical parameters ✓
- 14) Application specific v integration circuits ✓
- 15) quick & accurate measure of an input variables.
- 16) Digital telephone keypad ✓ $3\frac{1}{2}$ ✓
- 17) false ✓
- 18) Typically 2 ✓
- 19) Actuators ✓
- 20) Simplex IC ✓



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Format for Internal Examination Grievances

Academic Year: 2023-2024

Date: 29/5/24

Subject Name: ADA

Branch: IT

To,

The Subject Teacher

Foziya Mam

Sir/Madam,

I, B. Tejashwini bearing roll number 2101A1205
studying 3 B.Tech. 2 Semester I am requesting you to
consider the following corrections in my Objective/Descriptive answer script.

Counting [✓] mistake/Marks not included in total/Answer not corrected. [✓]

(Mention Question Number) 4

Subject Teacher comment and Sign:

Foziya
29/5/2024

I will verify

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Information Technology
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B. Tech. Internal Examination Answer Booklet

Student Name	B. Tejaswini		Year & Semester	III & II
Hall Ticket No.	21UPIA1205	Branch	IT	Mid
Subject Name	ADA		Date of Exam	27/5/24

Signature of the Invigilator

Name & Signature of the Examiner

Q. No.	1	2	3	4	Descriptive Total	Objective Total	Marks Obtained
a		9		10	9.5	9.5	19.0
b							20
Total							Maximum Marks

PART-A

1) C

2) D

3) C

4) A

5) C

6) C

7) D

8) D

9) B

10) A

4)

divide and Conquer

dynamic programming

1) Breaks into smaller subproblem.

1) Breaks into overlapping subproblem.

2) Typically uses recursive

2) Typically uses iteration.

3) Time complexity is higher

3) lower time complexity

4) No need of explicit storage

4) need of explicit storage to store the solutions in table

5) It is done in sequential manner

5) It does not need any sequential order.

6) No information is passed among subproblems

6) here it is solutions are stored for future.

7) Subproblems are solved individually

8) It need higher recursive

9) May involve merge or combining the results

10) It is a simpler implementation

11) It is only applicable for the list is divides into individually

12) It should solve all the subproblems

7) Reuses the solutions for identification of overlapping subproblems

8) It is of lower recursive

9) May involve the selecting the overlapping subproblems solutions

10) It should take care of formulation and identification of overlap subproblems

11) It is only applicable for which breaks term overlapping subproblems

12) It solve only necessary subproblems

13) It is not applicable for overlapping subproblems

14) Eg: Merge sort, Binary Search

15) It requires additional space for recursive calls

16) Breaks into smaller and non-overlapping subproblems

13) It is only applicable for overlapping subproblems

14) eg: Fibonacci Series

15) It requires additional space for storing solution in table

16) Breaks into overlap subproblems



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Format for Internal Examination Grievances

Date: 29/5/24

Academic Year: 2023-24

Branch: IT

Subject Name: ADA

To,

The Subject Teacher

Foziya

Sir/Madam,

I, A. Avanthi bearing roll number 21UPLA1202
studying IIIrd B.Tech. 2 Semester I am requesting you to
consider the following corrections in my Objective/Descriptive answer script.

Counting mistake/Marks not included in total/Answer not corrected.

(Mention Question Number) 2

Foziya
29/5/2024
Subject Teacher comment and Sign:

will check

Head of the Department
Information Technology
Vignans Institute of Management & Technology For Women
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ACCREDITED BY



B. Tech. Internal Examination Answer Booklet

Student Name	A. Avanthi		Year & Semester	III rd yr II nd sem	
Hall Ticket No.	21VPIA1202	Branch	IT	Mid	I
Subject Name	ADA		Date of Exam	29/05/24	

Signature of the Invigilator

Name & Signature of the Examiner

Q. No.	1	2	3	4	Descriptive Total	Objective Total	Marks Obtained
a		8.9		8	8.5	10	18.5
b							
Total							Maximum Marks

- 1) (C) ✓
 - 2) (D) ✓
 - 3) (C) ✓
 - 4) (A) ✓
 - 5) (C) ✓
 - 6) (C) ✓
 - 7) (B) ✓
 - 8) (D) ✓
 - 9) (B) ✓
 - 10) (A) ✓
- 10

→ It generally uses when → It generally uses when sub problems are smaller, present in smaller sub problems are present in smaller sub problems.

→ It uses only necessary plms. → It uses only smaller sub problems.

→ Fibonaccis ex: Fibonaccis ex: Merge sort, Binary search.

2) Merge sort algorithm is a simpler and easily algorithm.

→ In Merge sort algorithm we use divide and conquer method.

→ In Merge sort the data list is divided into smaller parts which cannot be further divided, divided,

→ The divided data list is sorted array to sorted array.

→ and now the sorted array is combined or merged.

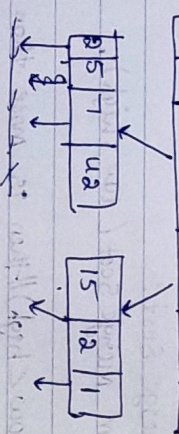
→ In Merge sort is nothing but a data list or array recursive is divided and get merged in ascending order. This is called Merge Sort.

→ divide and conquer technique will take place. or implemented.

Let us see Example for Merge Sort algorithm.

ex:

2	5	7	15	15	12	1
---	---	---	----	----	----	---





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Format for Internal Examination Grievances

Academic Year: 2023-24

Subject Name: HCI

To,

The Subject Teacher

Ranjith sir,

Date: 22/05/24

Branch: IT

Sir/Madam,

I, G. Deepthi Sree bearing roll number 20UP1A1207
studying IV B.Tech. I Semester I am requesting you to
consider the following corrections in my Objective/Descriptive answer script.

Counting mistake/Marks not included in total/Answer not corrected.

(Mention Question Number) 2

Objective and Descriptive Question based, it will be verified.

Subject Teacher comment and Sign:

Ranjith
23/5/24

Head of the Department
Information Technology

Vignans Institute of Management & Technology For Women
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B. Tech. Internal Examination Answer Booklet

Student Name	G. Deepthi Sree			Year & Semester	IV / I
Hall Ticket No.	20UPIA1207	Branch	IT	Mid	II
Subject Name	HCI			Date of Exam	22/5/24

[Signature]
Signature of the Invigilator

[Signature]
Name & Signature of the Examiner

Q. No.	1	2	3	4	Descriptive Total	Objective Total	Marks Obtained
a		10	8		17		18.5
b					8.5	10	20
Total							Maximum Marks

2) Linguistic models play a crucial role in HCI by enabling more natural and effective communication between users and computer systems.

→ Understanding user Intent:

1) Natural Language processing (NLP):

This language is very helpful in various aspects. It is a processing language.

linguistic models in HCI is primarily focused on modeling user language and communication.

It ~~under~~ goes two types of understanding: user intent.

→ Intent Recognition:

Multi-modal interaction

is the use of multiple input and

Output modalities (e.g. visual, auditory, haptic) to facilitate interaction with a system.

→ Sentiment analysis:

Analysis Phase

of the software life cycle focuses on understanding the user's needs and requirements.

2) Context Awareness:

This comes under context

understanding, creating, designing and other context related work.

2

1) Dialog Systems:

The key principles and technologies involved in augmented reality, and its using to enhance the user experience in both physical and virtual environments.

→ Conversational Agents:

ACMs cognitive

model emphasizes the decomposition of tasks into hierarchical goal-sub goal structures. The primary focus of linguistic models in HCI is modeling user language and communication.

→ Error handling:

The errors found

while the language processing as executing will be shown at the Output screen.

3

(ii) Accessibility:

The use of design rules,

golden rules, and heuristics in HCI.

Usability testing evaluation techni-

-que involves observing users who interacting with the system.

→ Speech recognition: Web browsers is

not a common multimedia component in windows.

→ Language Translation: The main purpose

of usability engineering is to improve the user experience.

(iii) Personalization:

Analysis phase of

the software life cycle focuses on understanding the user's needs &

requirements based on personal interest.

→ User profiling:

The user will be having the authority to personalize the profile.

1. User-Centred design

Users needs and also should know the feedback of the users; these we need

→ Users needs:

The authority will have all rights to know and check the user needs that to be designed in further.

→ Feedback loops:

The feedbacks of users might have similar or same comments or answers regarding the feedbacks, so that gets looped.

2. Interaction efficiency : The interactions should be efficiency to the users.

→ To reduce the cognitive load

→ And adaptive interfaces

3. Inclusivity :

→ Multilingual Support :

To understand user behaviour and task performance is the primary purpose of using cognitive models in HCI.

→ Cultural Sensitivity :

Simplicity, customize, equitable use are the key principle of universal design.



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Format for Internal Examination Grievances

Date: 9/5/24

Branch: IT

Academic Year: 2023-2024

Subject Name: Programming in Java

To,

The Subject Teacher

Ch. Swapna Mam

Sir/Madam,

I, A. Anushka bearing roll number 22UPIA1203
studying IT B.Tech. IT Semester 2nd requesting you to
consider the following corrections in my Objective/Descriptive answer script.

✓
Counting mistake/Marks not included in total/Answer not corrected.

(Mention Question Number) 3

Subject Teacher comment and Sign:

Will check it. Swapna
10/05/24

Head of the Department
Information Technology
Vignans Institute of Management & Technology For Women
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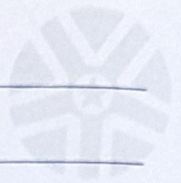
B. Tech. Internal Examination Answer Booklet

Student Name	A. Anushka			Year & Semester	II II
Hall Ticket No.	22UP1A1203	Branch	IT	Mid	I
Subject Name	Java			Date of Exam	9/5/24

Signature of the Invigilator

Name & Signature of the Examiner

Q. No.	1	2	3	4	Descriptive Total	Objective Total	Marks Obtained
a	1		1		2	4	10
b	5		1		1	24	30
Total	6		2		3	28	
							Maximum Marks



PART-A

1.	(A) ✓	A	Answer	Student Name
2.	(D) ✓	2020191203	Branch	Hall Ticket No.
3.	(A) ✓			Subject Name
4.	(D) ✓			
5.	(B) ✓			Signature of the Investigator
6.	(B) ✓			Q.No.
7.	(C) ✓			
8.	(A) ✓			
9.	(D) ✓			Total
10.	(C) ✓			

11.

12.

13. abstract class

14.

15.

16.

17.

18.

19.

20.

PART-B

5- a) Exception: Exception is a runtime error which causes the disturbance in the middle of the program is called exception.

* While compiling the program it does not show any error but while running the program it will show an error.

Exception handling: Exception handling is the method used to cause errors in the runtime and exception handling is caused by the ^{throw} handled by the Throwable and the it will ^{does not} accept the message and it will accept the arithmetic exceptions. Exception handling is handled by the ~~data~~ data handled and it will create errors in the runtime program.

b) Multiple catch statements: Multiple catch statements is used to identify the statements and it will help to compile the programs which are not allowing the more programs and the catch statement is used to implement the program at a time.

ex: `import java.io`

```
public static void main (String args[])
```




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Format for Internal Examination Grievances

Date: 15/03/24

Branch: IT

Academic Year: 2023-24

Subject Name: HCI

To,

The Subject Teacher

Ranjith Sir,

Sir/Madam,

I, B. Swetha bearing roll number 20UP1A1203
studying IV B.Tech. I Semester I am requesting you to
consider the following corrections in my Objective/Descriptive answer script.

✓
Counting mistake/Marks not included in total/Answer not corrected.

(Mention Question Number) 2,3

will check it.

Subject Teacher comment and Sign:

[Signature]
16/3/24

[Signature]

Head of the Department
Information Technology
Vignani's Institute of Management & Technology For W
Kondapur (V), Ghatkesar (M), Medchal-Malkajgiri (D)



VIGNAN'S INSTITUTE OF MANAGEMENT & TECHNOLOGY FOR WOMEN

Kondapur Vill, Ghatkesar Mandal, Medchal (Dist.) - 501301.



B. Tech. Internal Examination Answer Booklet

Student Name	B. Swetha			Year & Semester	IV year I sem
Hall Ticket No.	20UP2A1203	Branch	IT	Mid	I
Subject Name	HCI			Date of Exam	15/3/24

Signature of the Invigilator

Name & Signature of the Examiner

Q. No.	1	2	3	4	Descriptive Total	Objective Total	Marks Obtained
a	6		6		12 6	10	22
b							
Total							
							Maximum Marks

- 1 A
- 2 A
- 3 B
- 4 A
- 5 D
- 6 A
- 7 B
- 8 B
- 9 A
- 10 B

- 11 Computer system
- 12 Graphics
- 13 Objects
- 14 user
- 15 Elements
- 16 simply
- 17 Attention
- 18 task
- 19 objects
- 20 Readability

① Importance of user interface design:

Understanding user-interface design

The understanding user-interface design it involves the creating and that interface between the user and Product and it is used as understanding user interface that is the creating new ideas and the interface between user and products is the understanding user-interface (UI) design

Importance of user-interface design:

- First impression
- usability
- user satisfaction

1. First impression:

The first impression the first stage of internal of individual that user and product the interface between user and product the impression of the usability of product should good and product who had buyed they should be in satisfaction.

2) usability:

The usability of the user should in good because the product work had taken by user than that product should be in the good manner than only the product was sold and user will used in the continuously in the usability is called usability.

3) user satisfaction:

The user satisfaction one of most important task in the design work is because of the satisfaction of product which is taken from the product and user should be in satisfied and they only product will be in use they is user satisfaction.

Benefits of well-designed user interface

1) Improved Accessibility:

The improved accessibility which was taken in the form of the usability the Product should be in improved manner and each and each one who had Product should improved.

2) Increased Productivity:

The increased productivity due to increasing productivity at the product means the product was selling easily and each and every Product was increased.

3) Reduced support cost:

Reduced support cost because the product was in the form of the 100 and due to that we have to reduced support.

3

Human consideration in user interface

design:

1) Knowledge and Experience:

The knowledge and experience was used in the form of the knowledge when knowledge was there than experience also should be in the and each of knowledge was going to the experience.

2) Task and Needs:

The task and needs that task should in the form of the value that task should be completed within the timing and needs means whatever the task and needs.

3) Physical characteristics:

The physical characteristics was in the form of identity the unique character.

Age, gender etc through this we can identify and characteristics of the people in the physical characteristics, is called physical characteristics.

Importance of understanding human characteristics and capabilities :

1) Perception:

The perception is intellectual process which is transforming to meaningful information is called perception.

2) Learning:

The learning means knowing something which we have interests and exceptions through that is called the learning.

3) Memory Control:

The memory control that has the something the mind that storage by computer and user and the memory is full than we need to control the memory.

4) Information:

The information that has passed through the computer to the user that was useful the interaction between the user and computer.



VIGNAN'S INSTITUTE OF MANAGEMENT AND TECHNOLOGY FOR WOMEN

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Kondapur (V), Ghatkesar (M), Medchal - Malkajgiri (D) - 501 301 Phone: +91 96529 10002/3



Format for Internal Examination Grievances

Academic Year: 2023-24

Subject Name: HCI

To,

The Subject Teacher

Ranjith Sir,

Date: 15/03/24

Branch: IT

Sir/Madam,

I, J. Preethika bearing roll number 20UP1A1214
studying IV B.Tech. I Semester I am requesting you to
consider the following corrections in my Objective/Descriptive answer script.

✓
Counting mistake/Marks not included in total/Answer not corrected.

(Mention Question Number) 3

the Answer sheet will
be verified.

Subject Teacher comment and Sign:

[Signature]
16/3/24

[Signature]

Head of the Department
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B. Tech. Internal Examination Answer Booklet

Student Name	J. Preethika			Year & Semester	IV - II
Hall Ticket No.	20UPIA1214	Branch	IT	Mid	I
Subject Name	HCI			Date of Exam	15/3/24.

Signature of the Invigilator

Name & Signature of the Examiner

Q. No.	1	2	3	4	Descriptive Total	Objective Total	Marks Obtained
a	9		8		17	10	18
b					8.5		20
Total							Maximum Marks

1) Understanding UI Design:-

UI Design involves creating the visual and interactive elements of a digital products interface. It's about optimizing the presentation and interactivity to improve usability, accessibility and the overall aesthetic appeal.

2. The Importance of UI Design:-

First Impression:-

The UI is often the first point of interaction between a user and a product. A well-designed UI creates a positive first impression, encouraging

Reduced support costs:-

A clear and intuitive UI reduces the need for extensive user support, as users are less likely to encounter usability issues.

3) Human Consideration in design

1. Knowledge and Experience:-

Computer literacy - technical, expert, moderate, none

System experience - High, low, moderate

Application experience - High, low, moderate

Task experience - level of knowledge / job / task

Education - High School, post graduate, college

Reading level - $< 5^{\text{th}}$, $5^{\text{th}} - 12^{\text{th}}$, $> 12^{\text{th}}$

Typical skills - Expert, skilled, good, average

Native language or culture - English, another

2. Tasks and needs:-

Type of system use - Mandatory, discretionary

Frequency of use - Occasional, frequently, continual

Tasks or needs important - High, low, moderate

Task structure - repetitiveness

Training - Extensive, formal, self

Turnover rate - high

3. psychological characteristics:-
Attitude - positive, negative, neutral
motivation - low, moderate, high, fear, patience
Expectations - kind, reasonable
Stress level - low, high

4. Physical characteristics:-
Age - young, middle aged, elder
Gender - Male, female, other
Handedness - left, right, both
Disabilities - blind, ~~deaf~~ deafness.