# ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY
## VIJAYAWADA – 520 008

## 2.5.2. Mechanism of internal assessment is transparent and robust in terms of frequency and variety



**ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY**
VIJAYAWADA - 520 008.

**HP**

Registered No : 1 8 H P 1 A 0 4 0 6    Name : N. Jahnavi
Examination : Mid term                  Subject Name : NMCV
Branch : ECE-1                           Year & Sem. : 1 & 1     Reg. :
Date of Exam : 24-08-2018               Total No. of Addls. : 3

N. Jahnavi
Signature of the student with date

Candy 24/8/18.
Signature of the Invigilator with date

**Marks Awarded for Questions**

| Q.No. | a | b | c | d | Total |
|-------|---|---|---|---|-------|
| 1 | 5 | 5 |   |   | 10 |
| 2 | 5 | 5 |   |   | 10 |
| 3 | 5 | 5 |   |   | 10 |
| 4 |   |   |   |   |    |
| 5 |   |   |   |   |    |
| 6 |   |   |   |   |    |
| 7 |   |   |   |   |    |
| 8 |   |   |   |   |    |
| **Total Marks** | | | | | |

verified
N. Jahnavi.

**Marks Awarded**

| | |
|---|---|
| 30/30 | |

(Start writing form here)    Examiner's Signature with date
Arun 25/1/18

**1)**
**a)** Given $f(x,y) = xe^x - 3$

$$f(0) = -3 < 0$$
$$f(1) = -0.2817 < 0$$
$$f(2) = 11.7781 > 0$$

Root lies b/w $\underset{a}{(1}, \underset{b}{2)}$

By the Regular falsi method

$$x_1 = \frac{af(b) - bf(a)}{f(b) - f(a)}$$

$$x_1 = \frac{1(11.7781) - 2(-0.2817)}{11.7781 + 0.2817} = \frac{12.3415}{12.0598} = 1.0233$$

$$f(x_1) = f(1.0233)$$
$$= (1.0233)e^{1.0233} - 3$$
$$f(x_1) = -0.1528 < 0$$

Root lies b/w $\underset{a}{(1.0233}, \underset{b}{2)}$

**ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY**
VIJAYAWADA - 520 008.

**HP**

Registered No : | 1 | 8 | H | P | 1 | A | 1 | 2 | 1 | 2 |

Name : M. Keerthi Reddy

Examination : Mid – II

Subject Name : Mathematics - III

Branch : IT

Year & Sem. : 1st year, 2nd sem Reg. R16

Date of Exam : 26/3/19

Total No. of Addls. : 02

M. Keerthi Reddy 26/3/19
Signature of the student with date

T. Tp 26/03/19
Signature of the Invigilator with date

**Marks Awarded for Questions**

| Q.No. | a | b | c | d | Total |
|-------|---|---|---|---|-------|
| 1 | 5 | 4 | | | 9 |
| 2 | 5 | 5 | | | 10 |
| 3 | 3 | 5 | | | 8 |
| 4 | | | | | |
| 5 | | | | | |
| 6 | | | | | |
| 7 | | | | | |
| 8 | | | | | |
| **Total Marks** | | | | | 27 |

(Start writing form here)

**Marks Awarded**

| 27/30 | |
|-------|---|

Received
M. Keerthi Reddy

Amun 28/3/19
Examiner's Signature with date

1 a) $\int_0^1 x^m \left(\log \frac{1}{x}\right)^n dx$

let $\log \frac{1}{x} = t$

$\frac{1}{x} = e^t$

$\log x^{-1} = t$

$-\log x = t$

$\log x = -t$

$x = e^{-t}$

$dx = -e^{-t} dt$

As $x \to 0, \ t \to \infty$
$x \to 1, \ t \to 0$

$\int_0^1 x^m \left(\log \frac{1}{x}\right)^n dx = \int_\infty^0 (e^{-t})^m (t)^n (-e^{-t}) dt$

$= -\int_\infty^0 e^{-tm} \ e^{-t} \ t^n \ dt$

$= \int_0^\infty e^{-t(m+1)} \ t^n \ dt$

$t(m+1) = y$

$t = \frac{y}{\ \ }$

**ANDHRA LOYOLA INSTITUTE OF ENGINEERING AND TECHNOLOGY**
VIJAYAWADA - 520 008.

HP

| | | | | | |
|---|---|---|---|---|---|
| Registered No | 1 7 H P 1 A 0 5 2 7 | Name | Ch. Ramya Sai |
| Examination | Mid-term-I, 1/4 Btech 2 nd Sem | Subject Name | English |
| Branch | CSE | Year & Sem. | 1st year 1st Reg. R16 |
| Date of Exam | 11/09/17 | Total No. of Addls. | 2 |

Ch. Ramya Sai 11/09/17
Signature of the student with date

Signature of the Invigilator with date

Marks Awarded for Questions

| Q.No. | a | b | c | d | e | Total |
|---|---|---|---|---|---|---|
| 1 | 1 1/2 | 2 | 2 | 2 | 2 | 9 1/2 |
| 2 | 4 | 3 | 3 | | | 10 |
| 3 | 3 | 3 | 2 | | | 8 |
| 4 | | | | | | |
| 5 | | | | | | |
| 6 | | | | | | |
| 7 | | | | | | |
| 8 | | | | | | |
| Total Marks | | | | 27 1/2 | | |

Ch. Ramya Sai 11/9/17

Marks Awarded

| | |
|---|---|
| 28 | 14 |
| 30 | 15 |

(Start writing form here)

Examiner's Signature with date

I a. <u>Causes for road accidents are:</u>
(i) Violation of traffic rules
(ii) Overspeed of vehicles
(iii) Travelling in wrong routes
(iv) Using shortcuts to reach in less time
(v) Using mobile phones while driving
(vi) Crossing the signals
(vii) Drunken drive
(viii) Unaware of traffic rules.

b) <u>Advantages of Solar Cookers:</u>
(i) These are used to save the biomass i.e. forests are not destroyed.
(ii) Less cost when compared to the biomass and fuel.
(iii) These can be used at anytime using solar energy.

| NO | MID 1 | QUIZ 1 | ASSIGN 1 | SUM 1 | MID 2 | QUIZ 2 | ASSIGN 2 | SUM 2 | TOTAL |
|---|---|---|---|---|---|---|---|---|---|
| HP1A0241 | 11 | 7 | 5 | 23 | 10 | 6 | 5 | 21 | 23 |
| 16HP1A0242 | 9 | 4 | 5 | 18 | 9 | 4 | 5 | 18 | 18 |
| 16HP1A0243 | 10 | 5 | 5 | 20 | 8 | 4 | 5 | 17 | 20 |
| 16HP1A0245 | 10 | 3 | 5 | 18 | 8 | 3 | 5 | 16 | 18 |
| 16HP1A0246 | 12 | 4 | 5 | 21 | 11 | 5 | 5 | 21 | 21 |
| 16HP1A0247 | 12 | 3 | 5 | 20 | 9 | 6 | 5 | 20 | 20 |
| 16HP1A0248 | 8 | 5 | 5 | 18 | 7 | 6 | 5 | 18 | 18 |
| 16HP1A0249 | 3 | 6 | 5 | 14 | 9 | 4 | 5 | 18 | 18 |
| 16HP1A0250 | 9 | 9 | 5 | 23 | 10 | 7 | 5 | 22 | 23 |
| 16HP1A0251 | 6 | 9 | 5 | 20 | 7 | 5 | 5 | 17 | 20 |
| 16HP1A0252 | 10 | 8 | 5 | 23 | 6 | 7 | 5 | 18 | 22 |
| 16HP1A0253 | 9 | 4 | 5 | 18 | 6 | 5 | 5 | 16 | 18 |
| 16HP1A0254 | 6 | 3 | 5 | 14 | 7 | 3 | 5 | 15 | 15 |
| 16HP5A0219 | 12 | 5 | 5 | 22 | 13 | 7 | 5 | 25 | 25 |
| 17HP5A0201 | 11 | 6 | 5 | 22 | 12 | 6 | 5 | 23 | 23 |
| 17HP5A0202 | 8 | 6 | 5 | 19 | 7 | 6 | 5 | 18 | 19 |
| 17HP5A0203 | 13 | 6 | 5 | 24 | 9 | 8 | 5 | 22 | 24 |
| 17HP5A0204 | 14 | 7 | 5 | 26 | 13 | 8 | 5 | 26 | 26 |
| 17HP5A0205 | 11 | 6 | 5 | 22 | 12 | 7 | 5 | 24 | 24 |
| 17HP5A0206 | 11 | 7 | 5 | 23 | 12 | 6 | 5 | 23 | 23 |
| 17HP5A0207 | 13 | 8 | 5 | 26 | 14 | 5 | 5 | 24 | 26 |
| 17HP5A0208 | 12 | 7 | 5 | 24 | 11 | 6 | 5 | 22 | 24 |
| 17HP5A0209 | 11 | 7 | 5 | 23 | 12 | 5 | 5 | 22 | 23 |
| 17HP5A0210 | 11 | 5 | 5 | 21 | 7 | 7 | 5 | 19 | 21 |
| 17HP5A0211 | 13 | 7 | 5 | 25 | 9 | 6 | 5 | 20 | 24 |
| 17HP5A0212 | 13 | 7 | 5 | 25 | 14 | 7 | 5 | 26 | 26 |
| 17HP5A0213 | 13 | 7 | 5 | 25 | 10 | 6 | 5 | 21 | 25 |
| 17HP5A0214 | 10 | 5 | 5 | 20 | 10 | 7 | 5 | 22 | 22 |
| 17HP5A0215 | 6 | 4 | 5 | 15 | 7 | 5 | 5 | 17 | 17 |

Date:18-APR-2019

N. Mohan Ra
Controller of Examination

Verified
by
m.m. kaeonakal.
est.

# Andhra Loyola Institute of Engineering & Technology

# MATHS ASSIGNMENT-1

Submitted to :
Sumalatha Ma'am
S & H Department.
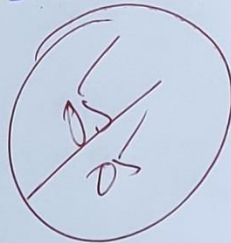
Submitted by :
P. Swetha
18HP1A1226.
Information Technology.