



DHARAMPETH M. P. DEO MEMORIAL SCIENCE COLLEGE, NAGPUR

1.1.1 The Institution ensures effective curriculum delivery through a well-planned and documented process

BRIDGE COURSE & APTITUDE TEST & INDUCTION PROGRAM REPORT

Aptitude Tests 2021-22

Microbiology SEM I Aptitude Test 21-22

Question paper link-

https://docs.google.com/forms/d/1PxTVUdsT6Ajlh8OFIzYTmKp5fEmhGsk_QQ-AlljITmY/edit

Spread sheet link-

https://docs.google.com/forms/d/1PxTVUdsT6Ajlh8OFIzYTmKp5fEmhGsk_QQ-AlljITmY/edit

Zoology SEM I Aptitude test 2021-22

Question paper link-

<https://forms.gle/nYUfu3L8tmi3Ga4bA>

Spreadsheets link

<https://docs.google.com/spreadsheets/d/1Fn9AvDrSySnSHmp22jKRzbpPBDuPIVdwxGvO92pJFX4/edit?usp=drivesdk>

- 1) What is the color code for a 220 5% resistor?
A. Red, Red, Brown, Gold
B. Orange, Orange, Black, Gold
C. Red, Red, Black, Gold
D. Red, Red, Brown, Silver
- 2) If 60 J of energy are available for every 15 C of charge, what is the voltage?
A. 4V
B. 60V
C. 15V
D. 0.25V
- 3) A voltage will influence current only if the circuit is:
A. open
B. insulated
C. high resistance
D. closed
- 4) In practical applications, battery voltage:
A. is lowered when load increases
B. is restored as soon as disconnect occurs
C. may be stored indefinitely
D. will be reduced to zero as power is drawn
- 5) What are the unit and symbol for current?
A. Ampere, A
B. Coulomb, I
C. Ampere, Q
D. Ampere, I
- 6) Which part of an atom has no electrical charge?
A. Electron
B. Neutron
C. Proton
D. All of the above
- 7) When parallel resistors are of three different values, which has the greatest power loss?
A. The smallest resistance
B. The largest resistance
C. They have the same power loss.
- 8) Voltage and resistance values are needed.
- 8) The voltage across any branch of a parallel circuit:
A. varies as the total current varies
B. is inversely proportional to total circuit resistance
C. is equally applied to all branch conductance's
D. is dropped in proportion to each branch resistance
- 9) What happens to total resistance in a circuit with parallel resistors if one of them opens?
A. It increases.
B. It halves.
C. It remains the same
D. It decreases.
- 10) Look at this series: 2, 1, (1/2), (1/4), ... What number should come next?
A. (1/3)
B. (1/8)
C. (2/8)
D. (1/16)
- 11) Look at this series: 22, 21, 23, 22, 24, 23, ... What number should come next?
A. 22
B. 24
C. 25
D. 26
- 12) Which word does NOT belong with the others?
A. inch
B. ounce
C. centimeter
D. yard
- 13) Marathon is to race as hibernation is to
A. Winter
B. Bear
C. Dream
D. Sleep
- 14) The capacitor capacitance is measured through a unit called
A. Ohm
B. Farad
C. Hertz
D. Watt
- 15) Base 10 refers to which number system?
A. binary coded decimal
B. decimal
C. octal
D. hexadecimal
- 16) The number of bits used to store a BCD digit is:
A. 8
B. 4
C. 1
D. 2
- 17) Kirchhoff's voltage law is concerned with
A. IR drop
B. Battery EMF's
C. Junction Voltages
D. both A and B
- 18) According to KVL, the algebraic sum of all IR drops and EMFs in any closed loop of a network always
A. Zero
B. Positive
C. Negative
D. greater than unity
- 19) While calculating Thevenin's Equivalent Resistance R_{th} , voltage sources in the circuit are
A. replaced by 'opens'
B. replaced by 'shorts'
C. treated in parallel with other voltage sources
D. none of the above
- 20) Using Norton's Theorem we find out the value of
A. Equivalent Current Source and Resistance
B. Equivalent Voltage Source and Resistance
C. Equivalent Resistance only
D. None of the above



Dharampeth M. P. Deo Memorial Science College,
Nagpur
Electronics Department
Semester I - (2021-22)
Aptitude Test

Sr. No.	Students Name	Signature
1.	Bhagyavathi Pandey	B. Pandey.
2.	Unnati tai Chopde	Chopde
3.	Sakshi V. Korade	Korade
4.	Aditya R. Singh	Singh.
5)	Sanjeev L. Funde	Sanjeev L. F.
6)	Renuka V. Lenke	Renuka V.
7)	Aarini K. Sheikh	A. Sheikh.
8)	Jamvi A. Kosarkar	Jamvi
9)	Sadhna M. Parthi	S. Parthi.
10)	Priyanka Shah	Priyanka
11)	Rahul Kawade	R. Kawade
12)	Pratham Sittore	Pratham S.
13)	Chetan Bopche	C. Bopche
14)	Jay A. Patil	Jay A.
15)	Pawan Vishwakarma	Pawan Vishwakarma.
16)	Nimish Nandhare	Nimish Nandhare
17)	Durgesh Singh	D. Singh.

Bridge Course



DHARAMPETH M. P. DEO MEMORIAL SCIENCE COLLEGE, NAGPUR
INTERNAL QUALITY ASSURANCE CELL (IQAC)

Activity Report

Date: 30/11/21

Name of Organizing Department or Committee: English Department

Name of the activity: Bridge Course in English (Preposition)

Suggested CRITERION point if any: Criteria V

Date of Activity: 24/11/21 to 30/ 11/21

Place of Activity: Online

Name of Guest Speaker/s or Judge/s or Chief Guest/s if any: Nil

Title of the Activity: Bridge Course in English (Preposition)

Number of Participants: Approx.100

Name of the Teacher In-charge / Convener: Dr.Mrs.Shraddha Deshpande

Names of other Committee Members / Staff: Dr.Akhilesh Peshwe (Principal)

OUTCOME of the Activity with respect to mission vision of the institute and or academics:

The activity created interest and love for language and understand and recreate the language with self-confidence.

Activity with newspaper coverage if any: Nil

Activity data save in PC of: English Department, <https://t.me/+7bgeoQP9byxiNTEI>

Prof. Pitambar Humane
IQAC Coordinator

CO ORDINATOR
INTERNAL QUALITY ASSURANCE CELL
DHARAMPETH M. P. DEO MEMORIAL &
SCIENCE COLLEGE, NAGPUR

Name & Signature of Teacher In-charge

Dr. Akhilesh Peshwe
Principal
Principal
Dharampeth M.P. Deo Memorial
Science College, Nagpur.



DHARAMPETH M. P. DEO MEMORIAL SCIENCE COLLEGE, NAGPUR
INTERNAL QUALITY ASSURANCE CELL (IQAC)

Activity Report

Date: 30/10/2021

Name of Organizing Department or Committee: Department of Microbiology
Name of the activity: Bridge Course
Suggested CRITERION point if any: Criteria III
Date of Activity: 13, 14, 18, 22 and 29/10/2021(5 days)
Place of Activity: Department of Microbiology Dharampeth M. P. Deo Memorial Science College, Nagpur
Name of Guest Speaker/s or Judge/s or Chief Guest/s if any: Students of Department of Microbiology
Title of the Activity: Aptitude Test
Number of Participants: 64
Name of the Teacher In-charge / Convener: Dr. V. R. Kathoke
Names of other Committee Members / Staff:
OUTCOME of the Activity with respect to mission vision of the institute and or academics:

- As it is an entry point of the students to UG course, the students must know the deepness of the study.
- It helps to give students basic idea and scope about the course they selected to study.
- Bridge course helps to create interest in the chosen field.

Aptitude test: 29/10/2022

Question paper link-

https://docs.google.com/forms/d/1Px1VUds16Ajlh80FlzY7mKp5fEmhGsk_QQ-AlljiTmY/edit

Spread sheet link-

<https://docs.google.com/spreadsheets/d/1V5axMSMbJZ8hSMzDhK0-LeOyGON518V9mPe9MqhFeeM/edit?resourcekey=#gid=356223404>

Prof. Pitambar Humane
IQAC Coordinator

CO ORDINATOR
INTERNAL QUALITY ASSURANCE CELL
DHARAMPETH, M. P. DEO MEMORIAL &
SCIENCE COLLEGE, NAGPUR

Dr. V. R. Kathoke

Name & Signature of Teacher In-charge

Dr. Akhilesh Peshwe
Principal

Principal
Dharampeth M.P. Deo Memorial
Science College, Nagpur.



DHARAMPETH M. P. DEO MEMORIAL SCIENCE COLLEGE, NAGPUR
INTERNAL QUALITY ASSURANCE CELL (IQAC)

Activity Report

Date:31/10/2021

Name of Organizing Department or Committee: Deeksharambha - Induction Programme
21-22 Committee

Name of the activity: Deeksharambha - Induction Programme 21-22

Suggested CRITERION point if any: Criteria V

Date of Activity: 4th October to 11th October 2021

Place of Activity: Online

Name of Guest Speaker/s or Judge/s or Chief Guest/s if any: List attached

Title of the Activity: Deeksharambha - Induction Programme 20-21

Number of Participants: Approx. 100

Name of the Teacher In-charge / Convener: Dr.Shraddha Deshpande

Names of other Committee Members / Staff: List Attached

OUTCOME of the Activity with respect to mission vision of the institute and or academics:

The Induction Programme aimed at motivating, inspiring and enlightening new students to achieve their future goals. Topics from career opportunities, value addition, importance of Gender equity, students' scholarships and welfare schemes and departmental associations.

Activity with newspaper coverage if any: Nil

Activity data save in PC of: English Department



Prof. Pitambar Humane
IQAC Coordinator

CO ORDINATOR
INTERNAL QUALITY ASSURANCE CELL
DHARAMPETH, M. P. DEO MEMORIAL &
SCIENCE COLLEGE, NAGPUR

Name & Signature of Teacher In-charge

Dr. Akhilesh Peshwe
Principal

PRINCIPAL
Dharampeth M. P. Deo Memorial
Science College, Nagpur,

Dharampeth M.P.Deo Memorial Science College, Nagpur

Deeksharambha - Induction Programme 21-22

**SCHEDULE AND LIST OF
SPEAKERS**

Day 1	4th October 2021	Monday	Resource Person	Facilitator
Session	Time	Activity		
I	11.00a.m - 11.50a.m	Principal's Address and Departmental Interaction	Dr. Akhilesh Peshwe	Dr.Shraddha Deshpande
	12.15.p.m to 1.15.p.m	NSS , NCC , Life Long Learning and Innovation and Incubation.	Dr.P.T.Humane, Dr. P.W.Ambekar, Dr.V.P.Meshram,	Dr.N.P.Gaikwad
Day 2	5th October 2021	Tuesday		
Session	Time	Activity		
I	11.00a.m - 11.50a.m	Students Scholarship and Welfare Schemes (Part I)	Dr.Abhay Mudgal, Director, Student Development Cell , RTMNU	Dr.Shraddha Deshpande
II	3.00-4.00 pm	Intellectual Property Rights	Mrs.Pooja Maulikar	Dr. Vaishali Meshram
Day 3	7th October 2021	Thursday		
Session	Time	Activity		
I	11.00a.m - 11.50a.m	Training Placement and Career Guidance Cell, Women Cell, College Magazine, Grievence Redressal Cell , Cell against Sexual Harrassment , Cultural and Extracurricular Activities Committee,Mentor Mentee	Dr.Shraddha Deshpande , Dr.V.V Rangari, Mrs. M.M.Deshpande, Dr.P.W.Ambekar	Dr.Shraddha Deshpande
II	12.15.p.m to 1.15.p.m	Interaction with Alumni:Topic: Choosing our academic goals	Mr.Mrunal Wagh, Research Associate, VIT- Vellore	Dr.Prashant Ambekar
II	12.15.p.m to 1.15.p.m	Topic: An Ideal Student	Mr.Akshat Hedao, Teacher	Dr.Prashant Ambekar
Day 4	8th October 2021	Friday		
Session	Time	Activity		
I	11.00a.m - 11.50a.m	IIT Spoken Tutorial and Bioinformatics Courses and Sports	Dr.Mrs.S.A.Narale and Dr.Mrs. A.S Kulkarni, Dr.Shraddha Deshpande	Mrs.Ruma Kapre
II	12.15.p.m to 1.15.p.m	Personality Development through Gender Equality	Ms.Shruti Deshpande , Vishwa mangalya Sabha	Dr.Kirti Paturkar
Day 5	9th October 2021	Saturday		
Session	Time	Activity		
I	11.00 a.m - 11.50 a.m	Career opportunities after MBA	Mr.Sachin Patil	Dr.Mrs.Varsha Rangari
II	12.15.p.m to 1.15.p.m	Career opportunities in Healthcare services	Mr.Sameer Joshi (Industry Expert, Social Entrepreneur.Founder and Chairman Transcender Services Pvt. Ltd.	Mr.Roshan Thakre
Day 6	11th October 2021	Monday		
Session	Time	Activity		
I	11.00a.m - 11.50 a.m	Students Scholarship and Welfare Schemes (Part 2)	Mr. Chandrashekher Digambarao Shelke, RTM Nagpur University, Development Cell	Dr.Snehal Narale
II	12.15.p.m to 1.15.p.m	Rotaract Club of DMPDMSC	Interaction with Rotaract Club	Ms. Sanchita Puntambekar