



Dharampeth M. P. Deo Memorial Science College, Nagpur
Academic Session: 2020-2021
Aptitude Tests

Microbiology SEM I Aptitude Test 21-22

Question paper link-

https://docs.google.com/forms/d/1PxTVUdsT6Ajlh8OFIzYTmKp5fEmhGsk_QO-AlljlTmY/edit

Spread sheet link-

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Zoology SEM I Aptitude test 2021-22

Question paper link-

<https://forms.gle/nYUfu3L8tmi3Ga4bA>

Spreadsheet link

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

(2021-22)

- 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.
D. 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) Kirchoff'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	Bhandedy.
2.	Urnati tai Chopde	Chopde
3.	Sakshi V. Konade	Konade
4.	Aditya R. Singh	Singh.
5)	Sanjeev L. Funele	Sanjeev
6)	Renuka V. Lende	Renuka.
7)	Aarini K. Sheikh	A. Sheikh.
8)	Jamvi A. Kosarkar	Jamvi.
9)	Sadhna M. Pardhi	Sarpadi
10)	Priganka Shah	Priganka
11)	Rahul Kawade	R. Kawade
12)	Pratham Sittare	Pratham
13)	Chetan Bopche	C. Bopche
14)	Jay A. Patil	Jay A.
15)	Pawan Vishwakarma	Pawan Vishwakarma.
16)	Nimish Nanghate	Nimish Nanghate
17)	Durgesh Singh	D. Singh.



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/+7bgeoQP9byxjNTFI>

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

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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.