

Date: - 12/02/2022

To,  
The Principal  
Pravara Medical Trust's,  
Arts, Commerce and Science College,  
Shevgaon

**Subject: - Permission for Conducting Quiz Competition...**

Respected Sir,

With the above mentioned subject, Department of Chemistry plans to Conduct Quiz Competition for under graduate and post graduate Students.

Therefore, we request you to please permit us organized to Said Competition.

Thanking You!



*Pravara Med. Coll.*  
For Principal  
Arts, Comm. & Sci. College  
Shevgaon, Dist Ahmednagar

Pravara Medical Trust's,  
**Arts, Commerce and Sciences College, Shevgaon**  
Tal- Shevgaon, Dist - Ahmednagar  
**Department of Chemistry**

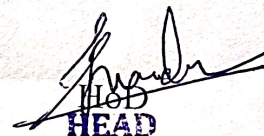
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Date: - 14/02/2022

**Student Notice**

All the student of the Graduate and Postgraduate are hereby informed that, Department of Chemistry of our college is organized by Quiz competition on 28 February 2022. At 10:00 am.

Interested Students should register their names with Prof. Dahifale M. B. by 15/02/2022 to 22/02/2022.



HOD  
HEAD

Department of Chemisty  
PMT'S Arts Commerce & Science  
College, Shevgaon, Dist. A'Nagar

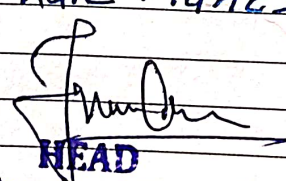
Pravara Medical Trust's  
**Arts, Commerce & Science College, Shevgaon**

TAL-SHEVGAON, DIST-AHMEDNAGAR -414502

Department of Chemistry

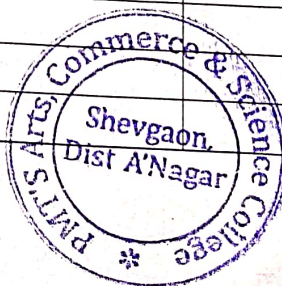
Quiz Competition

2021-22

Sr. No.	Name of Student	Class	Sign
1.	Aher Varshale Sudhakar	T.Y.BSC	<u>Varshale</u>
2	Bansole Vinod vittal	TYBSC	<del>Vinod</del>
3	Bhosale Hrushikesh Shivajirao	TYBSC	<u>B.H.S</u>
4	Chokule Rohini Bhagwan	TYBSC	<del>Rohini</del>
5	Katode Supriya Suresh	TYBSC	<u>SUPIYA</u>
6	Jadhav Abhineet Sanjay	T.Y.BSC	<u>Abhineet</u>
7	Govarse Ketan Mahadeo	TYBSC	K.M.Govarse
8	Bhadajit Abhishek Prakash	SYBSC	<del>Abhishek</del>
9	Daund Trupti Sanjay	SYBSC	<u>Trupti</u>
10	Bovude Nikita Lakshman	SY.BSC	<u>Nikita</u>
11	Bobedal Akshay Pandit	SYBSC	<del>AKSHAY</del>
12	Jagtap Millind Santosh	TY.BSC	<u>Millind</u>
13	Garpagare Priyanka Sanjay	SYBSC	<del>Priyanka</del>
14	Wavare Priyanka Rasasheeb	SYBSC	<u>Priyanka</u>
15	Shaikh Teba Araf	SY.BSC	<del>Teba</del>
16	Mundada Bhakti Omprakash	SV.BSC	<u>Bmundada</u>
17	Kure Silpa Parmeshwar	SY BSC	<u>Silpa</u>
18	Ferkade Vishali Ashok	SY BSC	<u>Vishali</u>
19	Magar Saurati Markas	SYBSC	<u>Saurati</u>
20	Eskhinge Rutuja Gofram	MSc-Demo	<u>Rutuja</u>
21	Buchkul Divay Ashok	MScI(CoG)	<u>Divay</u>
22	Maske Ketan Ashok	MScI(CoG)	<u>Ketan</u>
23	Ubaidale Premod Maehindra	MScI(CoG)	<u>Premod</u>
24	Shaikh Salman Baidada	MScI(CoG)	<u>Salman</u>
25	Kale Mahesh Dilip	MSc-IYA	<u>Mahesh</u>
			

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Department of Chemistry  
 PMT'S Arts Commerce & Science  
 College, Shevgaon, Dist. A'Nagar



Pravara Medical Trust's  
Arts, Commerce & Science College, Shevgaon  
**Department of Chemistry**  
Quiz Competitions 2021-22

Time – 1 Hour

Marks: - 100

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**Instructions:**

- Choose the correct answer for each question.
  - Each question carries 2 marks.
  - No negative marking.
- 

**Q.1) Multiple Choice Question.**

1. Which of the following is a noble gas?

- A) Oxygen    B) Nitrogen  
C) Helium    D) Chlorine

2. The chemical symbol for gold is:

- A) Ag    B) Au  
C) Gd    D) Go

3. The pH of a neutral solution is:

- A) 0    B) 7  
C) 14    D) 1

4. Which element is most abundant in the Earth's crust?

- A) Silicon    B) Iron  
C) Oxygen    D) Aluminum

5. The atomic number of carbon is:

A) 6      B) 12

C) 14      D) 8

6. Which of the following elements is an alkali metal?

A) Magnesium      B) Sodium

C) Calcium      D) Zinc

7. Who is credited with creating the modern periodic table?

A) Dmitri Mendeleev      B) John Dalton

C) J.J. Thomson      D) Marie Curie

8. What is the valency of nitrogen in  $\text{NH}_3$ ?

A) 1      B) 2

C) 3      D) 4

9. The most electronegative element in the periodic table is:

A) Fluorine      B) Oxygen

C) Chlorine      D) Nitrogen

10. Group 17 elements are known as:

A) Noble gases      B) Halogens

C) Alkali metals      D) Transition metals

11. The bond between two chlorine atoms in  $\text{Cl}_2$  is:

A) Ionic      B) Covalent

C) Metallic      D) Hydrogen

12. What type of bond is present in  $\text{NaCl}$ ?

A) Ionic      B) Covalent

C) Metallic      D) Polar covalent

13. Which of the following is a non-polar molecule?  
A) HCl      B) CH<sub>4</sub>  
C) NH<sub>3</sub>      D) H<sub>2</sub>O
14. The number of bonds in a nitrogen molecule (N<sub>2</sub>) is:  
A) 1      B) 2  
C) 3      D) 4
15. Which of the following is a coordinate bond?  
A) HCl      B) NH<sub>4</sub><sup>+</sup>  
C) CO<sub>2</sub>      D) CH<sub>4</sub>
16. A substance with pH less than 7 is:  
A) Neutral      B) Acidic  
C) Basic      D) Amphoteric
17. Lime water is:  
A) Calcium hydroxide      B) Calcium oxide  
C) Calcium carbonate      D) Calcium sulfate
18. Baking soda is chemically known as:  
A) Sodium carbonate      B) Sodium bicarbonate  
C) Potassium bicarbonate      D) Sodium hydroxide
19. Which acid is found in vinegar?  
A) Hydrochloric acid      B) Acetic acid  
C) Sulfuric acid      D) Citric acid
20. The formula for sulfuric acid is:  
A) HCl      B) H<sub>2</sub>SO<sub>4</sub>

C)  $\text{HNO}_3$  D)  $\text{H}_2\text{CO}_3$

21. The boiling point of water is:

A)  $90^\circ\text{C}$  B)  $100^\circ\text{C}$

C)  $120^\circ\text{C}$  D)  $150^\circ\text{C}$

22. The process of solid directly converting to gas is called:

A) Condensation B) Sublimation

C) Deposition D) Evaporation

23. The unit of molar mass is:

A)  $\text{g/mol}$  B)  $\text{kg/mol}$

C)  $\text{g/L}$  D)  $\text{mol/L}$

24. Which law states that at constant temperature, pressure is inversely proportional to volume?

A) Charles's Law B) Boyle's Law

C) Avogadro's Law D) Dalton's Law

25. The gas constant (R) value is:

A)  $0.0821 \text{ L atm/mol K}$  B)  $8.314 \text{ J/mol K}$

C) Both A and B D) None of the above

26. The functional group of alcohol is:

A)  $-\text{COOH}$  B)  $-\text{OH}$

C)  $-\text{CHO}$  D)  $-\text{COO}-$

27. Methane belongs to which homologous series?

A) Alkanes B) Alkenes

C) Alkynes      D) Alcohols

28. The IUPAC name of  $\text{CH}_3\text{-CH}_2\text{-CH}_3$  is:

A) Methane      B) Ethane

C) Propane      D) Butane

29. Which of the following is an aromatic compound?

A) Benzene      B) Methane

C) Ethanol      D) Propane

30. The process of converting glucose into alcohol is called:

A) Hydrolysis      B) Fermentation

C) Oxidation      D) Reduction

31. Which gas is released during the reaction of acid with metal?

A) Oxygen      B) Hydrogen

C) Carbon dioxide      D) Nitrogen

32. The common ore of aluminum is:

A) Hematite      B) Bauxite

C) Galena      D) Magnetite

33. Rusting of iron requires:

A) Air and oil      B) Air and water

C) Water and oil      D) Only air

34. Which metal is liquid at room temperature?

A) Mercury      B) Sodium

C) Potassium      D) Zinc

35. Brass is an alloy of:



- A) Copper and zinc      B) Copper and tin  
C) Copper and lead      D) Iron and carbon
36. Which of the following is an allotrope of carbon?  
A) Diamond      B) Graphite  
C) Buckminsterfullerene      D) All of the above
37. The most reactive metal is:  
A) Potassium      B) Sodium  
C) Calcium      D) Magnesium
38. The isotope of hydrogen with one neutron is:  
A) Protium      B) Deuterium  
C) Tritium      D) None of the above
39. The SI unit of energy is:  
A) Joule      B) Calorie  
C) Watt      D) Newton
40. The formula of quicklime is:  
A)  $\text{CaCO}_3$       B)  $\text{CaO}$   
C)  $\text{Ca(OH)}_2$       D)  $\text{CaSO}_4$
41. The number of moles in 22.4 L of a gas at STP is:  
A) 1 mole      B) 2 moles  
C) 0.5 moles      D) 3 moles
42. The charge of an electron is:  
A) +1      B) -1  
C) 0      D) +2

43. The major component of natural gas is:
- A) Ethane      B) Methane  
C) Propane     D) Butane
44. The shape of a water molecule is:
- A) Linear        B) Angular  
C) Tetrahedral   D) Planar
45. What is the product of the reaction between acid and base?
- A) Salt and water      B) Water and hydrogen  
C) Salt and hydrogen   D) Acid and base
46. The hardness of water is due to the presence of:
- A) Sodium ions        B) Calcium and magnesium ions  
C) Potassium ions     D) Chloride ions
47. Which is a reducing agent?
- A) Oxygen              B) Hydrogen  
C) Sulfur dioxide      D) Both B and C
48. Dry ice is:
- A) Solid nitrogen        B) Solid oxygen  
C) Solid carbon dioxide   D) Solid water
49. Which of the following is an endothermic process?
- A) Freezing of water    B) Melting of ice  
C) Combustion          D) Condensation
50. Which gas causes acid rain?
- A) Nitrogen gas        B) Carbon dioxide

C) Sulfur dioxide      D) Oxygen.

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Department of Chemistry  
PMT'S Arts Commerce & Science  
College, Shevgaon, Dist. A'Nagar



**Principal**

Arts, Comm. & Sci. College  
Shevgaon, Dist Ahmednagar

Pravara Medical Trust's  
Arts, Commerce and Science College, Shevgaon.  
Tal - Shevgaon, Dist - Ahmednagar 414502.  
Department of Chemistry  
Organized  
Quiz Competition 2021- 2022  
Report

**Date:** 28<sup>th</sup> February 2022

**Organized by:** Department of Chemistry

**Participants:** Graduate and Postgraduate Student of Chemistry

**Objective:** To Provide Student information about the Quiz Competition objective for understanding the through this competition, students have received a new platform to showcase their knowledge , and their reading skill have improved.

Pravara Medical Trust's, Arts Commerce and Science College Shevgaon Department of Chemistry organized Quiz Competition for students. This competition was organized on 28<sup>th</sup> February 2022 at 10 am in the Chemistry Department. The purpose of organizing this competition is to make students know more about chemistry this competition, helpful for more information.

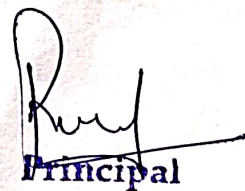
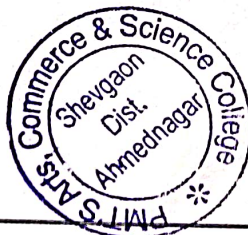
The organizer of this competition was Prof. Inamdar k.B. Head of Department of Chemistry. The competition was kept as 30 marks in MCQ pattern. Twenty students participated in this competition.

In this competition, Kumari Buchkul Divya Ashok (M.Sc-I ) got first rank, Kumari Shaikh Jeba Arif (S.Y.B.Sc) got second rank and Kumar Bansode Vinod Vitthal (T.Y.B.sc) got third rank. Certificate distribution of this competition was done on 4<sup>th</sup> March 2022 by Principal Dr. Onkar Rasal in Department of Chemistry.

Through this competition, the students got a new plate form to show their knowledge and Children developed interest in reading.



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**Arts, Commerce and Science College, Shevgaon.**

Tal – Shevgaon, Dist – Ahmednagar 414502.

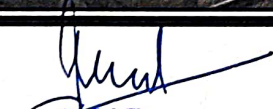
**Post Graduate Department of Chemistry**

**Quiz Competition**

**2021-22**

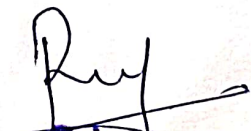
**Photo**



  
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Department of Chemistry  
PMT'S Arts Commerce & Science  
College, Shevgaon, Dist. A'Nagar



  
**Principal**

Arts, Comm. & Sci. College  
Shevgaon, Dist. Ahmednagar



Pravara Medical Trust's,

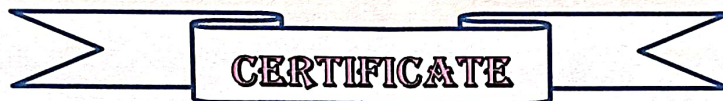
**Arts, Commerce and Science College Shevgaon**

Ayurved College Campus, Tal- Shevgaon, Dist- Ahmednagar.

**Post Graduate Department of Chemistry**

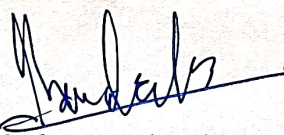
**Organized**

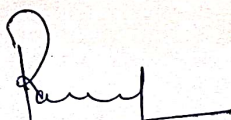
**“Quiz Competition-2022”**



This is to certify that Mr. /Miss. /Mrs. \_\_\_\_\_ Student of \_\_\_\_\_ has participated in “Quiz Competition” Conducted by Post Graduate Department of Chemistry in occasions of National Science day 28<sup>th</sup> February 2022 with \_\_\_\_\_ Grade.

  
Co-ordinator of Quiz

  
Head of Dept. Chemistry

  
Principal