

“COACHING CLASSES FOR COMPETITIVE EXAMS”

(A Collaborative Initiative of GADC Nurpur & WRS GC Dehri)



Patron

Dr. Anil Kumar Thakur

Principal, Govt. Arya Degree College Nurpur,
District Kangra, H. P. 176202



Patron

Dr. Sachin Kumar

Principal, Wazir Ram Singh Govt. College Dehri,
District Kangra, H. P. 176022

Co-ordinator:

Dr. Rakesh Kumar (Associate Professor of Botany, GADC Nurpur (Kangra) H.P.)

Organizing Secretaries:

Sh. Vikas Bhasin, Assistant Professor of Computer Application, WRS GC Dehri (Kangra) H.P.

Dr. Satya Prakash, Assistant Professor of Geography, GADC Nurpur (Kangra) H.P.

Dr. Manoj Kumar, Assistant Professor of Chemistry, GADC Nurpur (Kangra) H.P.

Course Overview

Every year thousands of positions in state and central government are filled through competitive recruitment exams conducted by HPPSC, Staff Selection Commission, IBPS, Railways, RBI and others. Given the very competitive nature of these exams, students need to start their preparation early. Competitive exams Training lays a solid foundation for various competitive recruitment exams. It covers key topics common to all competitive recruitment Exams. Participants develop insightful understanding of these exams and can make them into a potential career avenue leading to fulfilling careers immediately after their graduation. As most of the syllabus for these exams is common, students can appear for various exams.

Govt. Arya degree College Nurpur (Kangra) H.P. and Wazir Ram Singh Govt. College Dehri (Kangra) H.P. will provide free online coaching to registered students for preparing them for various competitive exams by engaging their teaching faculty members and utilizing their expertise in the subject matter for the welfare of students. Link to join the class of subjects mentioned and time will be intimated to registered students in the WhatsApp groups. Proper feedback from the students will also be taken on Google form for further improvement in this regards and keep a record of the activity undertaken.

Programme Schedule

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COURSE CONTENT

Sr.No	Topics	Name of Tutor	Date	Allotted Time (Hours) 5:00pm – 6:00pm
1.	COURSE INTRODUCTION	Dr. Sachin Kumar (Principal WRS GC Dehri) & Dr. Anil Kumar Thakur (Principal, GADC Nurpur)	20-06-2024	1 Hour
2.	POLITICAL SCIENCE - Introduction to Indian constitution, Polity and Indian Govt. and Politics - International Relations: Foreign Policy, International Institutions: UNO, WTO, IMF - World Politics and regional organisation: EU, ASEAN, SAARC.	Dr. Neelam Kumari (Asst. Prof. Political Science)	21-06-2024	1 Hour
		Dr. Rohit Kumar (Asst. Prof. Political Science)	22-06-2024	1 Hour
		Sh. Raman Kaith (Asst. Prof. Political Science)	23-06-2024	1 Hour
3.	HISTORY - Indian History: Ancient, Medieval, Modern and National Movement - World History; World Civilization - History of Himachal Pradesh	Sh. Manjit Singh (Asst. Prof. History)	24-06-2024	1 Hour
		Sh. Anil Kumar (Asst. Prof. History)	25-06-2024	1 Hour
4.	ECONOMICS - Indian Economy: Basics, Indian Economic survey - International Economics and development economics: Basics - Himachal Economy; Basics divisions, structure and surveys	Sh. Shiwal (Asst. Prof. Economics)	26-06-2024	1 Hour
		Mrs. Manju Bala (Asst. Prof. Economics)	27-06-2024	1 Hour
		Ms. Pearl Bakshi (Asst. Prof. Economics)	28-06-2024	1 Hour
5.	SOCIOLOGY - Principals of Sociology - The Pioneers of sociology - Science, Technology and society	Dr. Suresh Choudhary (Asst. Prof. Sociology)	29-06-2024	1 Hour
6.	GEOGRAPHY - Location, latitude, longitude, time zone, etc. - Atmosphere – structure and composition, Temperature, Wind systems - The Himalayas – formation, climate, vegetation, soil, biodiversity, physiographic divisions, major passes, significance - Landforms formed by fluvial, aeolian and glacial actions	Dr. Satya Prakash (Asst. Prof. Geography)	30-06-2024	1 Hour
		Sh. Gulshan Verma (Asst. Prof. Geography)	01-07-2024	1 Hour

7.	Hindi General Hindi and introduction to Hindi grammar	Dr. Anil Kumar (Asst. Prof.Hindi)	02-07-2024	1 Hour
		Dr. Neha Mishra (Asst. Prof.Hindi)	03-07-2024	1 Hour
8.	ENGLISH - General English and introduction to English grammar - English for competitive exams	Mrs. SeemaOhri (Assoc. Prof.English)	04-07-2024	1 Hour
		Mrs. ReemaKumari (Asst. Prof.English)	05-07-2024	1 Hour
		Sh, Manjeet Singh (Asst. Prof.English)	06-07-2024	1 Hour
9.	MATHEMATICS - Numbers, HCF & LCM, Decimal Fractions, Simplification - Problems on numbers, Problems on Ages - Percentage, Profit and Loss, Ratio and Proportion - Time and work, Simple and Compound interest	Dr.Sohan Singh (Asst. Prof.Mathematics)	07-07-2024	1 Hour
		Dr.Surjeet Singh (Asst. Prof.Mathematics)	08-07-2024	1 Hour
		Dr.Surender Mishra (Asst. Prof.Mathematics)	10-07-2024	1 Hour
10.	CHEMISTRY - Matter and its State;Atomic Structure - Chemical Bonding - Periodic Classification of Elements. - Oxidation and Reduction - Acids, Bases, and Salts - Behaviour of Gases; Carbon and its Compounds; Fuels; Radioactivity;Fertilisers; Concepts of pH scale.	Dr.KamakshiLumba (Assoc. Prof.Chemistry)	11-07-2024	1 Hour
		Dr.Rohit Kumar (Asst. Prof.Chemistry)	12-07-2024	1 Hour
		Sh. Deep Kumar (Asst. Prof.Chemistry)	13-07-2024	1 Hour
		Dr. Manoj Kumar (Asst. Prof.Chemistry)	14-07-2024	1 Hour
11.	PHYSICS - Dynamics;Energy and Momentum - Gravity;Oscillations and Waves - Thermodynamics - Electric Field, Forces and Potential - Circuit Elements and DC Circuits - General Wave Properties - Reflection and Refraction - Quantum Phenomenon - Nuclear and Particle Physics - Contemporary Physics	Mrs. Shashi Bala (Asst. Prof.Physics)	15-07-2024	1 Hour
		Mrs. Alka (Asst. Prof.Physics)	16-07-2024	1 Hour
		Dr.SeemaKumari (Asst. Prof.Physics)	17-07-2024	1 Hour
		Sh. Rajat (Asst. Prof.Physics)	18-07-2024	1 Hour
12.	BIOSCIENCES Classification of Organisms, Genetics, Structure of Plant and Animal Cell; Classification of Plant Kingdom; Photosynthesis; Plant Diseases; Mode of Nutrition in	Dr. Rakesh Kumar (Assoc. Prof.Botany)	19-07-2024	1 Hour
		Dr.Surender Kumar (Asst. Prof.Botany)	20-07-2024	1 Hour

	Plants; The Cell: The foundation of all living things;Cell: Structure and Functions. • Respiratory system in Humans. • Human Circulatory system. • The Heart;Composition of Blood. • Functions of Blood; Human Digestive system; Food and Nutrition; Human Diseases.	Dr.Diljeet Singh (Assoc. Prof.Zoology)	21-07-2024	1 Hour
		Dr.Shivani Sharma (Asst. Prof.Zoology)	22-07-2024	1 Hour
		Ms Rekha (Asst. Prof.Zoology)	23-07-2024	1 Hour
13.	COMMERCE • Income Tax • GST	Dr. Shashi Kumar (Asst. Prof.Commerce)	24-07-2024	1 Hour
		Mrs. Kiran Bala (Asst. Prof.Commerce)	25-07-2024	1 Hour
		Mrs. Bhavnika M (Asst. Prof.Commerce)	26-07-2024	1 Hour
		Sh. Surjeet Singh (Asst. Prof.Commerce)	27-07-2024	1 Hour

Sr. No.	Name of Teacher	Designation	Name of College	Title of paper presented	Date of presentation
1.	Dr. Neelam Kumari	Assistant Professor of Political Science	Wazir Ram Singh Govt. College Dehri, District Kangra, H.P.	Introduction to the Constitution of India	21-06-2024
2.	Dr. Rohit Kumar	Assistant Professor of Political Science	Govt. Arya Degree College, Nurpur, District Kangra, H.P.	A General Introduction to Political Science	22-06-2024
3.	Sh. Raman Kaith	Assistant Professor of Political Science	Wazir Ram Singh Govt. College Dehri, District Kangra, H.P.	World Politics and Regional Organisations: EU, ASEAN, SAARC	23-06-2024
4.	Sh. Manjit Singh	Assistant Professor of History	Govt. Arya Degree College, Nurpur, District Kangra, H.P.	Significance of Panipat	24-06-2024
5.	Sh. Anil Kumar	Assistant Professor of History	Wazir Ram Singh Govt. College Dehri, District Kangra, H.P.	World History and History of Himachal Pradesh	25-06-2024
6.	Sh. Shiwal Singh	Assistant Professor of Economics	Wazir Ram Singh Govt. College Dehri, District Kangra, H.P.	Role of Monetary and Fiscal Policy in Economic Stabilization and related concepts	26-06-2024
7.	Mrs. Manju Bala	Assistant Professor of Economics	Wazir Ram Singh Govt. College Dehri, District Kangra, H.P.	International Economics and Development Economics	27-06-2024
8.	Ms Pearl Bakshi	Assistant Professor of Economics	Govt. Arya Degree College, Nurpur, District Kangra, H.P.	ECONOMY OF HIMACHAL PRADESH; BASIC DIVISIONS, STRUCTURE & SURVEYS	28-06-2024
9.	Dr Suresh Chaudhary	Assistant Professor of Sociology	Govt. Arya Degree College, Nurpur, District Kangra, H.P.	Introduction of Sociology	29-06-2024
10.	Dr. Satya Prakash	Assistant Professor of Geography	Govt. Arya Degree College, Nurpur, District Kangra, H.P.	Fundamental knowledge on key aspects of Geography	30-06-2024
11.	Sh. Gulshan Verma	Assistant Professor of Geography	Wazir Ram Singh Govt. College Dehri, District Kangra, H.P.	The Himalayas and Erosional and Depositional landforms	01-07-2024
12.	Dr. Anil Kumar	Assistant Professor of Hindi	Govt. Arya Degree College, Nurpur, District Kangra, H.P.	हिंदी वर्णमाला और वर्णों के उच्चारण स्थान	02-07-2024
13.	Dr. Neha Mishra	Assistant Professor of Hindi	Wazir Ram Singh Govt. College Dehri, District Kangra, H.P.	General Hindi and an Introduction to Hindi grammar	03-07-2024
14.	Mrs. Seema Ohri	Associate Professor of English	Govt. Arya Degree College, Nurpur, District Kangra, H.P.	Articles and Noun in English	04-07-2024
15.	Mrs. Reema Kumari	Assistant Professor of English	Govt. Arya Degree College, Nurpur, District Kangra, H.P.	An Introduction to Tense	05-07-2024

16.	Sh. Manjeet Singh	Assistant Professor of English	Wazir Ram Singh Govt. College Dehri, District Kangra, H.P.	Prepositions in Competitive Exams	06-07-2024
17.	Sh. Surjeet Singh	Assistant Professor of Mathematics	Govt. Arya Degree College, Nurpur, District Kangra, H.P.	Number System and LCM & HCF	08-07-2024
18.	Dr. Sohan Singh	Assistant Professor of Mathematics	Govt. Arya Degree College, Nurpur, District Kangra, H.P.	Number system, Divisibility Rule, Percentage, Profit and Loss and ratio and proportion	09-07-2024
19.	Dr. Surendra Mishra	Assistant Professor of Mathematics	Wazir Ram Singh Govt. College Dehri, District Kangra, H.P.	Time, Work, Simple and Compound Interest	10-07-2024
20.	Dr. Kamakshi Lumba	Associate Professor of Chemistry	Wazir Ram Singh Govt. College Dehri, District Kangra, H.P.	Matter and its States; Atomic Structure	11-07-2024
21.	Sh. Rohit	Assistant Professor of Chemistry	Wazir Ram Singh Govt. College Dehri, District Kangra, H.P.	Basic concepts of chemical kinetics, gases and liquid state	12-07-2024
22.	Sh. Deep Kumar	Assistant Professor of Chemistry	Wazir Ram Singh Govt. College Dehri, District Kangra, H.P.	Inorganic Chemistry	13-07-2024
23.	Dr. Manoj Kumar	Assistant Professor of Chemistry	Govt. Arya Degree College, Nurpur, District Kangra, H.P.	Carbon and its Compounds, Fuels Chemistry and Radioactivity	14-07-2024
24.	Mrs. Shashi Bala	Assistant Professor of Physics	Govt. Arya Degree College, Nurpur, District Kangra, H.P.	Energy, Momentum and Gravity	15-07-2024
25.	Mrs. Alka	Assistant Professor of Physics	Govt. Arya Degree College, Nurpur, District Kangra, H.P.	Waves and Oscillations	16-07-2024
26.	Dr. Kumari Seema	Assistant Professor of Physics	Wazir Ram Singh Govt. College Dehri, District Kangra, H.P.	Competitive Coaching- Physics	17-07-2024
27.	Sh. Rajat Rana	Assistant Professor of Physics	Wazir Ram Singh Govt. College Dehri, District Kangra, H.P.	Fundamental Concepts in Physics: Momentum, Energy, Electric Fields, and Electric Potential	18-07-2024
28.	Dr. Rakesh Kumar	Associate Professor of Botany	Govt. Arya Degree College, Nurpur, District Kangra, H.P.	Botany for Competitive Examinations	19-07-2024
29.	Dr. Surinder Kumar	Assistant Professor of Botany	Wazir Ram Singh Govt. College Dehri, District Kangra, H.P.	Basics of Botany	20-07-2024
30.	Dr. Dijeet Singh	Associate Professor of Zoology	Govt. Arya Degree College, Nurpur, District Kangra, H.P.	Tips and Knowledge about Basic Syllabus / Course of Zoology for Competitive Examinations	21-07-2024
31.	Dr. Shivani Sharma	Assistant Professor of Zoology	Wazir Ram Singh Govt. College Dehri,	Respiratory system, Circulatory system ,	22-07-2024

			District Kangra, H.P.	Blood and its composition	
32.	Miss Rekha	Assistant Professor of Zoology	Wazir Ram Singh Govt. College Dehri, District Kangra, H.P.	Human Physiology	23-07-2024
33.	Dr. Shashi Kumar	Assistant Professor of Commerce	Wazir Ram Singh Govt. College Dehri, District Kangra, H.P.	Overview of GST	24-07-2024
34.	Mrs. Kiran Bala	Assistant Professor of Commerce	Govt. Arya Degree College, Nurpur, District Kangra, H.P.	Basics of Income Tax	25-07-2024
35.	Mrs. Bhavnika	Assistant Professor of Commerce	Wazir Ram Singh Govt. College Dehri, District Kangra, H.P.	Meaning of Tax and its Types	26-07-2024
36.	Sh. Surjeet Singh	Assistant Professor of Commerce	Govt. Arya Degree College, Nurpur, District Kangra, H.P.	Introduction of GST	27-07-2024

Date: 20-06-2024

INAUGURAL SESSION:

Dr. Sachin Kumar; Principal, Wazir Ram Singh Govt. College, Dehri (Kangra) H.P.

Brief Report:

Dr. Sachin Kumar, the resource person of Inaugural session motivated the students to develop competitive spirit in them and be ready for the future challenges or competitions. He describes the difference between preparation by students to pass an examination as their degree course and how to prepare for a competitive examination. He interacts with the students, provided useful tips for the preparation and felt the pulse of students regarding what they want from these online coaching classes for competitive examinations. He gave best wishes to all for their future.

Date: 21-06-2024

Name of Teacher: Dr. Neelam Kumari (Assistant Professor of Political Science, WRS GC Dehri)

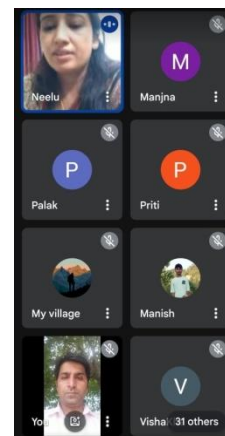
Title of lecture : Introduction to the Constitution of India

Brief Report:

TOPICS COVERED -

1. History and Formation
2. Preamble
3. Features of Indian Constitution
4. Important Articles
5. Federal System
6. Citizenship in India
7. Fundamental rights and duties
8. Directive Principles

Discussion of important topics and recommendation of competition exam related books and a open question answer session.



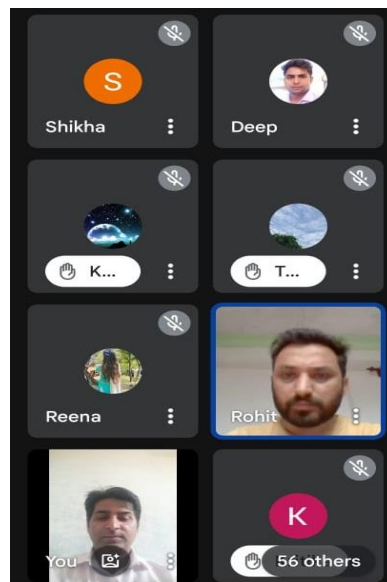
Date: 22-06-2024

Name of Teacher: Dr. Rohit Kumar (Assistant Professor of Political Science, GADC Nurpur)

Title of lecture : A General Introduction to Political Science

Brief Report:

The speaker has covered the broader subfields such as Indian Polity, Indian Government and Politics, Political Theory, Comparative Politics, International Relations and Indian Foreign Policy, and Indian and Western Political Thought of Political Science. The major focus of the lecture was to highlight and pinpoint such issues and themes which are asked in competitive examinations oftentimes and frequently. The speaker has also recommended different books that can help the students to prepare for competitive examinations of various nature such as civil services and clerical, and subject specific entrance and eligibility examinations (SET, NET/JRF).



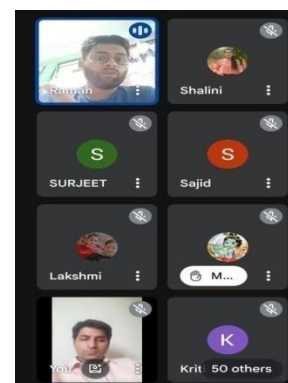
Date: 23-06-2024

Name of Teacher: Sh. Raman Kaith (Assistant Professor of Political Science, WRS GC Dehri)

Title of lecture : World Politics and Regional Organisations: EU, ASEAN, SAARC

Brief Report:

The lecture covered important regional organizations such as the EU, SAARC, ASEAN, BRICS, G77, G20, SCO, MGC, and OPEC, among others. It delved into the formation, history, key summits, and conferences of these organizations, highlighting their roles in promoting economic cooperation, political stability, and cultural exchange. The discussion emphasized the importance of collective action and shared policies in addressing regional and global challenges.



Date: 24-06-2024

Name of Teacher: Sh. Manjit Singh (Assistant Professor of History, GADC Nurpur)

Title of lecture : Significance of Panipat

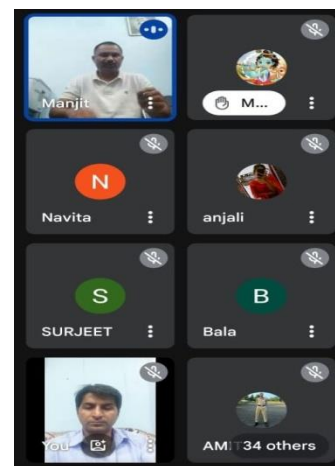
Brief Report:

The resource person describes the following

Why Many Empire-shaking Battles at Panipat?

Panipat and its adjacent region, located in present Haryana on the banks of the Yamuna and between the fertile plains of the Ganga and Indus rivers, have witnessed several battles. These battles changed the course of Indian history at different points of time.

- The first Battle of Panipat in 1526 was between Babur and Ibrahim Lodi. The result of the battle laid the foundation of the Mughal Empire by ending the rule of the Delhi Sultanate.
- The Second Battle of Panipat in 1556 was between Akbar and Hemu; it decided in favour of the continuation of the Mughal rule.
- The Third Battle of Panipat in 1761 between the Marathas and Ahmad Shah Abdali put an end to the Maratha ambition of ruling over India.



Why Panipat was a favourite battle field?

- Panipat had a strategic location. One of the parties of the war generally came from the north/northwest through the Khyber Pass to get hold over Delhi, the political capital of northern India.
- To move a military through rough terrains—deserts of Rajasthan or the other northern areas infested with dense forests—was very risky and difficult. On the other hand, the rulers at Delhi considered Panipat as a confrontable strategic ground and hence they preferred to take the fight there.
- Its proximity to Delhi made it easier for the Indian rulers to transport weapons, military and food supplies etc., to the battleground, and still keep the capital insulated from the conflict at hand.
- Panipat's surrounding region has a flat ground which was suitable for cavalry movement—the main mode of warfare at the time.
- After the construction of the Grand Trunk Road by Sher Shah Suri (1540-45), Panipat was on this route. It became easier for conquerors to find their way there.
- The duration of monsoon rainfall in the region is short in comparison to other areas making it easier to fight.
- The artisans/smiths of these regions were experts in making warfare-related materials and hence it became easier for forces of both parties to replenish their war materials.

Date: 25-06-2024

Name of Teacher: Sh. Anil Kumar (Assistant Professor of History, WRS GC Dehri)

Title of lecture : World History and History of Himachal Pradesh

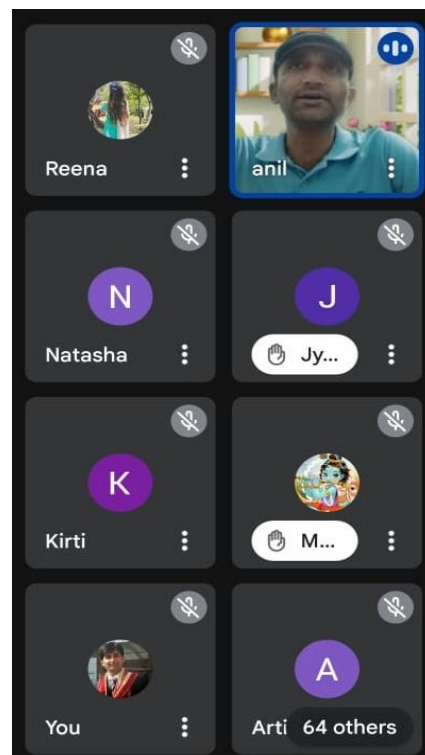
Brief Report:

The lecture was divided into two main sections:

Section 1: Global Historical Events_

The lecture began with an in-depth analysis of significant global historical events that shaped the world. Key topics covered included:

- American Revolution (1776): Causes, main events, and impacts on modern democracy
- French Revolution: Social, political, and economic factors that led to the revolution
- Unification of Italy and Germany: Process, challenges, and outcomes
- Russian Revolution (1917): Causes, key events, and rise of communism
- World Wars: Causes, major events, and consequences of both wars
- League of Nations and U.N.O.: Formation, goals, and limitations
- Cold War: Origins, key events, and impact on international relations
- Non-Aligned Movement: Formation, principles, and significance



Section 2: History of Himachal Pradesh_

The second part of the lecture focused on the history of Himachal Pradesh, covering:

- Ancient History: Early civilizations, kingdoms, and empires that flourished in the region
- Geographical Features: Mountains, rivers, valleys, and climate that shape the state's geography
- Role in 1857 Revolution: Himachal Pradesh's contribution to the Indian Rebellion against British rule
- Rise as a New State: Journey from a princely state to a modern Indian state

Throughout the lecture, Assistant Professor Anil Kumar provided valuable insights, analysis, and context, making complex historical events engaging and easy to understand.

Date: 26-06-2024

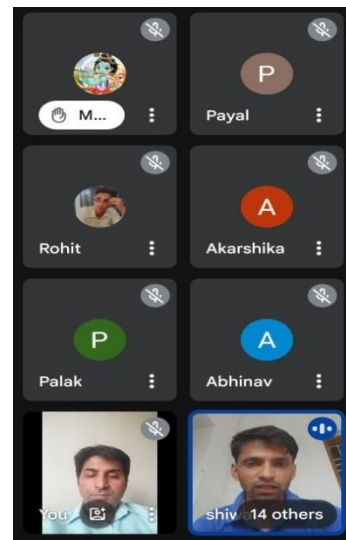
Name of Teacher: Sh. Shiwal Singh (Assistant Professor of Economics, WRS GC Dehri)

Title of lecture : Role of Monetary and Fiscal Policy in Economic Stabilization and related concepts

Brief Report:

The resource person describes the following

Monetary Policy: Monetary policy refers to the actions undertaken by a country's central bank to influence the economy. Its primary tools are interest rates, open market operations, and reserve requirements. The central bank adjusts the federal funds rate, the interest rate at which banks lend to one another overnight, to control inflation and stabilize the currency. Lowering interest rates can stimulate economic activity by making borrowing cheaper, encouraging investment and consumer spending. Conversely, raising rates can help curb inflation by making borrowing more expensive and slowing down economic activity.



Open market operations involve the buying and selling of government securities in the open market. By purchasing securities, the central bank injects money into the economy, increasing liquidity and potentially lowering interest rates. Selling securities, on the other hand, withdraws money from the economy, increasing interest rates and reducing liquidity. Reserve requirements mandate the amount of funds banks must hold in reserve against deposits, influencing how much money banks can lend out.

Fiscal Policy: Fiscal policy encompasses government spending and tax policies used to influence economic conditions. By increasing government spending or cutting taxes, the government can boost economic activity during a recession or period of slow growth. Higher spending injects money into the economy, creating jobs and stimulating demand. Tax cuts increase disposable income for individuals and businesses, encouraging spending and investment.

Conversely, to cool down an overheating economy and curb inflation, the government may reduce spending or increase taxes. Decreasing spending limits the amount of money circulating in the economy, while raising taxes reduces disposable income and spending.

Interaction Between Monetary and Fiscal Policy: Monetary and fiscal policies often work together to achieve economic stability and growth. For example, during a recession, expansionary fiscal policy (increased spending or tax cuts) can be complemented by accommodative monetary policy (lower interest rates) to stimulate the economy. Conversely, in an overheating economy, contractionary fiscal policy (decreased spending or higher taxes) can be paired with tighter monetary policy (higher interest rates) to prevent excessive inflation.

In conclusion, both monetary and fiscal policies are essential tools for managing economic performance. They complement each other to address economic fluctuations, aiming to achieve stable growth, control inflation, and reduce unemployment, ultimately contributing to a balanced and sustainable economy.

Date: 27-06-2024

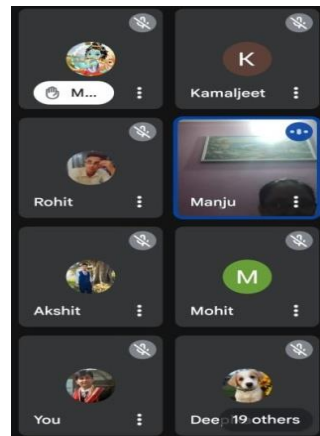
Name of Teacher: Mrs. Manju Bala (Assistant Professor of Economics, WRS GC Dehri)

Title of lecture : International Economics and Development Economics

Brief Report:

Topics covered: Internal and International Trade, terms of trade, Economic growth, sustainable development.

International Economics and Development Economics are critical fields that explore the dynamics of economic interactions both within and between nations, influencing global prosperity and development trajectories. This abstract provides an overview of key concepts and topics covered in these disciplines, including internal and international trade, terms of trade, trade policy, economic integration and union, foreign exchange rates, economic growth, and sustainable development.



Internal and International Trade: The study of trade examines the flow of goods and services across borders and within countries, highlighting the comparative advantages that drive trade and its impact on national and global economies. International trade theory explains the benefits of trade, the distribution of gains, and the effects on production and consumption patterns.

Terms of Trade: Terms of trade refer to the relative prices of exports and imports, influencing a country's economic health. An improvement in terms of trade implies that a country can purchase more imports for a given quantity of exports, enhancing national welfare.

Trade Policy: Trade policy encompasses the regulations and strategies that governments employ to manage international trade. This includes tariffs, quotas, and trade agreements designed to protect domestic industries, promote exports, or retaliate against unfair trade practices. The policy choices have significant implications for economic efficiency and distribution of resources.

Economic Integration and Economic Union: Economic integration involves the collaboration of countries to reduce trade barriers and coordinate economic policies. This process can range from free trade areas to customs unions, common markets, and full economic unions, where countries harmonize fiscal and monetary policies. Economic unions, such as the European Union, represent the highest form of economic integration, aiming for deeper economic and political alignment.

Foreign Exchange Rates: Foreign exchange rates determine the value of one currency relative to another, impacting international trade, investment, and economic stability. Exchange rate regimes, whether fixed, floating, or pegged, play a crucial role in a country's monetary policy and international competitiveness.

Economic Growth and Sustainable Development: Economic growth refers to the increase in a country's output over time, driven by factors such as capital accumulation, technological innovation, and labor force expansion. Sustainable development emphasizes the need for growth that meets present needs without compromising the ability of future generations to meet their own. It integrates economic, social, and environmental dimensions to ensure long-term prosperity and well-being.

In summary, International Economics and Development Economics provide essential insights into the functioning of global markets and the policies that shape economic outcomes. Understanding these topics is vital for addressing challenges related to trade, economic integration, currency stability, and sustainable development in an increasingly interconnected world.

Date: 28-06-2024

Name of Teacher: Ms Pearl Bakshi (Assistant Professor of Economics, GADC Nurpur)

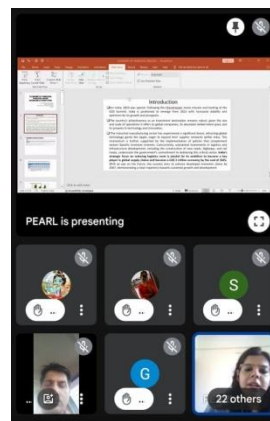
Title of lecture: ECONOMY OF HIMACHAL PRADESH; BASIC DIVISIONS, STRUCTURE & SURVEYS

Brief Report:

TOPICS COVERED: Economy of Himachal Pradesh vs Economy of India, Sectoral contribution, Fundamental Structure and Economic Surveys both at state and India level.

The speaker threw light on the various aspects of the Indian and Himachal Pradesh Economy and its basic structure and surveys. She discussed in great detail about the GDPs growth rates, per capita income and sectoral contribution of the economy both at the state and national level. Her lecture also included discussion about unemployment and its dependency on various sectoral composition in the economy. She stressed upon the fact that although the share of agriculture has been shrinking yet the importance of this sector can not be ruled out and hence highlighted the fact about the right economic policies that are required to run the economy and meet its challenges both at state and national level.

Specifically to the economy of Himachal Pradesh; its prospects in the current and future scenario are required to be well thought of by the policy makers, its right implementation will help the economy to grow by many folds and meet the challenges. She also practically showed various websites from where data can be read, collected for further investigation and knowledge that will help students and their studies and preparation for competitive exams. The lecture was attended by the students of both the colleges and hope they will benefit from it in great abundance. The lecture ended with a doubt session and vote of thanks by Dr Rakesh who played a vital role in the success of this initiative by the both colleges.



Date: 29-06-2024

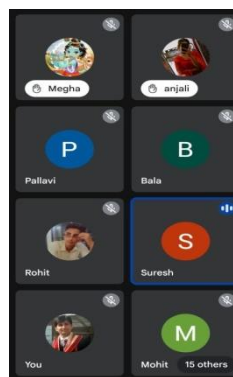
Name of Teacher: Dr Suresh Chaudhary (Assistant Professor of Sociology, GADC Nurpur)

Title of lecture : Introduction of Sociology

Brief Report:

Topics covered:

- Principals of Sociology
- History of Sociology
- Development of Sociology
- Science, Technology and Society
- Career opportunities in Sociology



Date: 30-06-2024

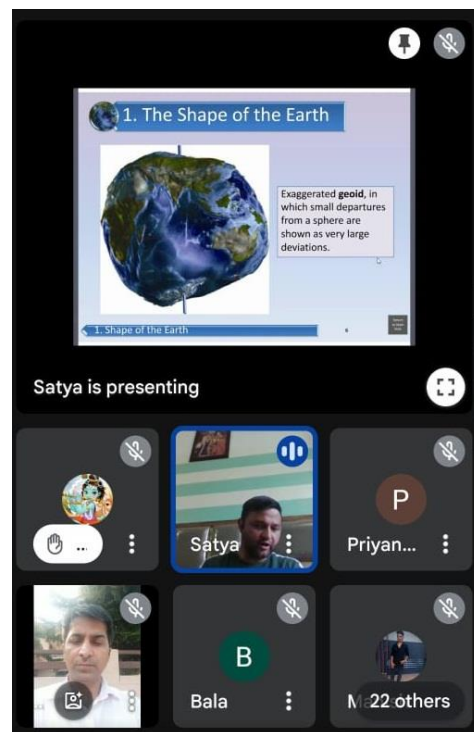
Name of Teacher: Dr. Satya Prakash (Assistant Professor of Geography, GADC Nurpur)

Title of lecture : Fundamental knowledge on key aspects of Geography

Brief Report:

Topics covered: Shape of Earth, Latitude, longitude, Time zone and Earth Atmosphere

The lecture aimed to provide fundamental knowledge on several key aspects of geography, including the Shape of Earth, Latitude, Longitude, Time Zones, and Earth's Atmosphere. The session was well-attended with active participation by students. The lecture commenced with an explanation of the shape of the Earth. Following the discussion on Earth's shape, attention shifted to the geographic grid system of Latitude and Longitude. Participants learned about the equator as the reference point for latitude and how lines of longitude converge at the poles, facilitating precise location determination on Earth's surface. The lecture proceeded to elucidate the concept of time zones, emphasizing their role in regulating time uniformly across different regions. Lastly, the lecture delved into the Earth's atmosphere, highlighting its composition and layers. Participants gained insights into how these atmospheric layers influence climate, weather patterns, and life on Earth. The Basics of Geography lecture on 30-06-2024 proved to be an enriching educational experience for all students.



Date: 01-07-2024

Name of Teacher: Sh. Gulshan Verma (Assistant Professor of Geography, GADC Nurpur)

Title of lecture : The Himalayas and Erosional and Depositional landforms

Brief Report:

Topics Covered

Himalayas Formation

The lecture began with a comprehensive overview of the formation of the Himalayas. This mountain range, the youngest and the highest in the world, was formed due to the collision of the Indian Plate with the Eurasian Plate around 50 million years ago. This tectonic activity continues to this day, causing the Himalayas to rise gradually.

Passes

Various significant mountain passes within the Himalayas were discussed, including Nathu La, Rohtang Pass, and Zoji La. These passes play crucial roles in trade, travel, and strategic military movements.

Flora and Fauna

The lecture highlighted the rich biodiversity of the Himalayas. This region is home to a variety of flora and fauna, some of which are unique to this part of the world. Notable species include the snow leopard, Himalayan tahr, and various rhododendron species. The varying altitudes and climates contribute to the diverse ecosystems found here.

Depositional and Erosional Landforms

The lecture also covered various landforms created by rivers, wind, and glaciers.

By Rivers

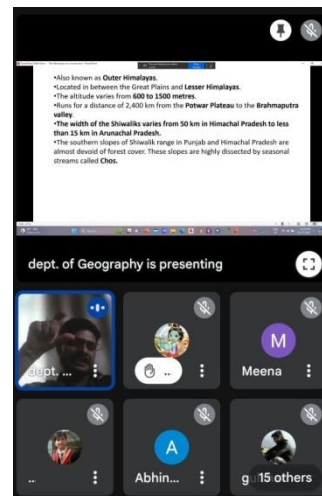
Rivers contribute to the creation of valleys, floodplains, deltas, and oxbow lakes through processes of erosion and deposition.

By Wind

Wind action leads to the formation of features such as dunes, loess deposits, and desert pavements.

By Glaciers

Glacial activity shapes the landscape through the creation of U-shaped valleys, moraines, drumlins, and eskers. The erosive power of glaciers also contributes to the sculpting of rugged mountain terrains.



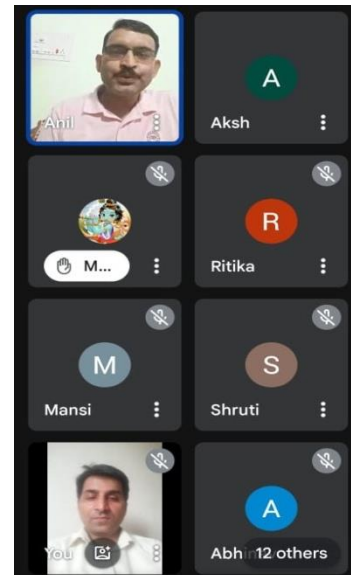
Date: 02-07-2024

Name of Teacher: Dr. Anil Kumar (Assistant Professor of Hindi, GADC Nurpur)

Title of lecture : हिंदी वर्णमाला और वर्णों के उच्चारण स्थान

Brief Report:

राजकीय आर्य महाविद्यालय नूरपुर में आज दिनांक 2 जुलाई 2024 को दो महाविद्यालयों के विद्यार्थियों को प्रतियोगी परीक्षा की तैयारी हेतु सामान्य हिंदी भाषा में "हिंदी वर्णमाला और वर्णों के उच्चारण स्थान" विषय पर महाविद्यालय के सहायक आचार्य डॉ॰ अनिल कुमार द्वारा चिंतन मनन किया गया। इस कक्षा के माध्यम से महाविद्यालय के विद्यार्थियों को भाषा के शुरुआती स्वरूप से लेकर उसकी वर्ण व्यवस्था तक का ज्ञान प्रदान किया गया। साथ में डॉ॰ अनिल कुमार ने यह भी कहा की भाषा एक माध्यम नहीं है अपितु यह एक संपूर्ण जीवन शैली है जिसके माध्यम से समाज का हर व्यक्ति अपने भावों को अपनी मानसिकता के अनुरूप निर्मित कर सकता है।



साथ ही प्रतियोगी परीक्षा से संबंधित हिंदी भाषा के विषय में बात करते हुए उन्होंने बताया की हर परीक्षा में चौथे हिस्से में हिंदी भाषा का स्वरूप रहता है ,जिसमें भाषा के प्रथम चरण से लेकर वर्तमान समय तक के हास एवं विकास का स्वरूप प्रश्न के रूप में पूछा जाता है। यदि हम लोग आज से की अपनी तैयारी भाषा के प्रति अपना चिंतन मनन शुरू करें तो किसी भी प्रतियोगी परीक्षा में हमें किसी भी कठिनाई का सामना नहीं करना पड़ेगा।

Date: 03-07-2024

Name of Teacher: Dr. Neha Mishra (Assistant Professor of Hindi, WRS GC Dehri)

Title of lecture : General Hindi and an Introduction to Hindi grammar

Brief Report:

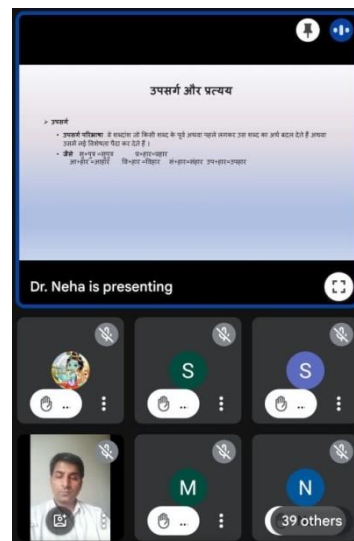
The resource person explained the following subtopics:

Introduction to the Hindi language

In this topic, she focused on the classification of the Bharopiya Bhasha parivar and its importance.

Historical background of Hindi

In this topic, she explained how Hindi developed, covered the origins of Hindi, and its journey from ancient, medieval and modern times, emphasizing its significance as a major language globally with a rich tradition. She explained the difference between Dialect and Language and Constitutional provisions for Rajbhasha Hindi and Devnagari lipi.



Bhasha Vigyan

In this subtopic, she explained the scientific study of Hindi and covered the main branches of linguistics in brief..

Basic Grammar

In this lecture, the following key topics were included: Shabdvichar, Tatsam Tadbhav, Aagat shabd, Muhavare Lokokti, Samas, Upasarg, Pratyay, Alankar Visheshan..

Date: 04-07-2024

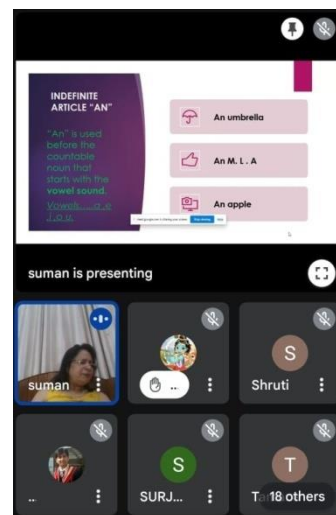
Name of Teacher: Mrs. Seema Ohri (Associate Professor of English, GADC Nurpur)

Title of lecture : Articles and Noun in English

Brief Report:

The resource person explained the following:

1. Articles:
 - I. Definite Article-The
 - II. Indefinite Article- A, An
2. Noun:
 - I. Countable Noun
 - II. Uncountable Noun
3. Use of Articles:
 - I. Use of Definite Articles
 - II. Use of indefinite Articles
4. Noun where no article is used.



Date: 05-07-2024

Name of Teacher: Mrs. Reema Kumari (Assistant Professor of English, GADC Nurpur)

Title of lecture : An Introduction to Tense

Brief Report:

Knowledge of tense is an important part of learning English Language. Tense plays an important role in constructing meaningful sentences. Having a good understanding of tense can significantly help in the development of English language skills. Students can communicate well and improve their writing skills. For the students who are preparing for competitive exams, knowledge of tense can help them to write essays in exams. Students can easily solve the problem of jumbled sentences, understand verb pattern, they can easily do compression given in the exam.

Tense	Verb	To be	To have	Present Continuous
Present	Play(s) is used with singular subject only	is / am / are	play(s) Verb 1	Has/Have been playing(s) Verb 3
Past	Play(ed) Verb 1	Was/were Verb 2	Had played(s) Verb 3	Had been playing(s) Verb 3
Future	Will play Verb 1	Will/shall be Verb 2	Will/shall have played(s) Verb 3	Will/shall have been playing(s) Verb 3

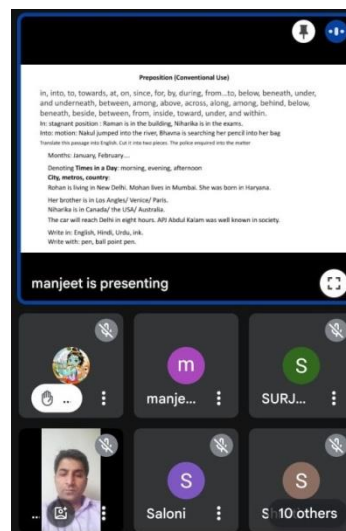
Date: 06-07-2024

Name of Teacher: Sh. Manjeet Singh (Assistant Professor of English, WRS GC Dehri)

Title of lecture: Prepositions in Competitive Exams

Brief Report:

The resource person, Mr. Manjeet Singh, focused his talk on What Prepositions are, various types of prepositions, frequently asked questions in competitive exams and common errors in prepositions. Firstly, he defined preposition and their types. Mr. Singh discussed single and phrasal prepositions in detail with the help of examples, in a very interactive way. His PPT presentation focused on fill in the blanks and common errors from the examination point of view. After concluding his discussion, he invited questions and queries from the students and clarified all the doubts from the students' side. At last Dr. Rakesh Kumar, Associate Professor of Botany, GADC Nurpur thanked the resource person for sparing his valuable time.



Date: 08-07-2024

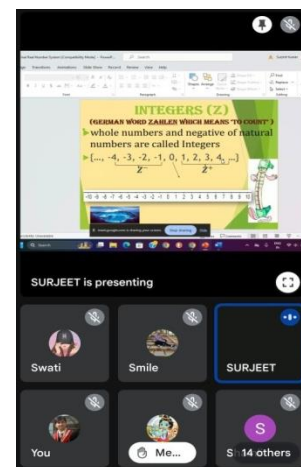
Name of Teacher: Sh. Surjeet Singh (Assistant Professor of Mathematics, GADC Nurpur)

Title of lecture : Number System and LCM & HCF

Brief Report:

The resource person explained the following

- 1. Numbers System:-** Natural Numbers, Whole Numbers, Integers (Positive Integers, Negative Integers), Rational Numbers (Proper & Improper, Terminating and Non-Terminating Numbers), Irrational Numbers, Real Numbers, Real Line, Complex Numbers,
- 2. Properties under addition and multiplication:** Closure, Commutative, Associative, the existence of identity, and the existence of inverse.
- 3. HCF and LCM of numbers:-** Relation between numbers and their HCF and LCM.



Date: 09-07-2024

Name of Teacher: Dr. Sohan Singh (Assistant Professor of Mathematics, GADC Nurpur)

Title of lecture : Number system, Divisibility Rule, Percentage, Profit and Loss and ratio and proportion

Brief Report:

The resource person covers the following in his lecture

1. Number Theory

Number theory is a branch of pure mathematics dedicated to the study of integers and their properties. It explores various aspects of numbers, including their divisibility, prime factors, and relationships between different types of numbers. Here are some key concepts within number theory:

2. Divisibility Rules

Divisibility rules provide shortcuts for determining whether a number is divisible by another without performing long division.

3. Percentages

Percentages are a way of expressing a number as a fraction of 100. They are used to represent proportions and are essential in various applications, including financial calculations and statistical analyses.

4. Profit and Loss

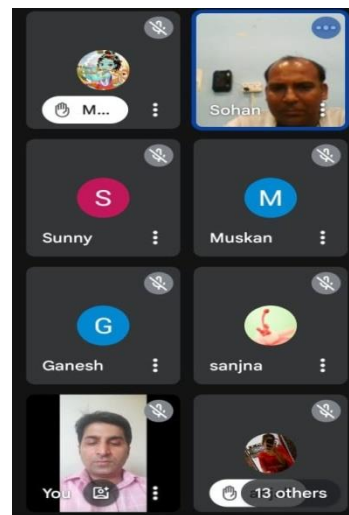
Profit and loss calculations are crucial in business and personal finance. They help assess financial performance and make informed decisions.

5. Ratio and Proportion

Ratios and proportions are used to compare quantities and express relationships between them.

Conclusion

Understanding number theory, divisibility rules, percentages, profit and loss, and ratios and proportions provides a solid foundation for tackling a wide range of mathematical problems and real-world applications. Mastery of these concepts enhances problem-solving skills and analytical thinking, which are crucial in both academic and practical contexts.



Date: 10-07-2024

Name of Teacher: Dr. Surendra Mishra (Assistant Professor of Mathematics, WRS GC Dehri)

Title of lecture : Time, Work, Simple and Compound Interest

Brief Report:

The whole lecture was divided into two parts. In the first half of the lecture the resource person described Time, Work related questions. He has described that how to calculate the efficiency of a worker and stated the formula related with efficiency and Total work of a worker,

$$\text{Efficiency} \times \text{Time} = \text{Total Work.}$$

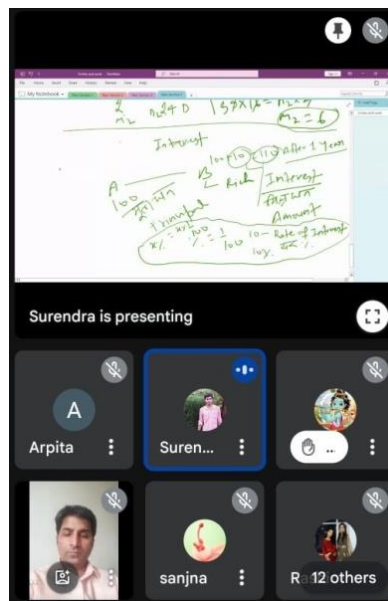
Then he discussed several questions related with the above formula.

In the second half of the lecture he discussed Simple and Compound Interest. I have stated the formula

$$\text{Simple Interest} = (\text{Principal} \times \text{Rate} \times \text{Time}) \div 100.$$

Then he described several question based on the above formula.

In the last he described several questions related with the compound Interest.



Date: 11-07-2024

Name of Teacher: Dr. Kamakshi Lumba (Associate Professor of Chemistry, WRS GC Dehri)

Title of lecture: Matter and its States; Atomic Structure

Brief Report:

Topics Covered: States of Matter, Classification of Matter, What is

an Atom, Molecule and Compound, Atomic Theory Timeline, Rutherford's

atomic concept, Bohr's atomic model, Hydrogen Atom Spectrum, Matter

Waves: de Broglie Concept, Heisenberg's Uncertainty Principle, Schrodinger Wave Equation, Quantum Numbers, Shapes of Orbitals,

Radial Probability Distribution Curves, Energy Level Diagrams, Rules for the

filling of orbitals, Electronic Configuration of Atoms, Stability of Half filled and completely filled orbitals, Exchange Energy.

The screenshot shows a presentation slide with a table of quantum numbers and a video conference interface. The table lists values for n, l, m, and s, along with the total number of electrons. The video conference interface shows Dr. Kamakshi is presenting, with participants Dr. Ka..., Muskan, Tanvi, and 31 others.

Value of n	Values of l	Values of m	Values of s	Total No. of electrons 2n ²
n = 1 (K shell)	l = 0 (s)	m = 0 (s)	+1/2, -1/2	2 × 1 ² = 2
n = 2 (L shell)	l = 0 (s) l = 1 (p)	m = 0 (s) m = +1 (p) m = -1 (p)	+1/2, -1/2 +1/2, -1/2 +1/2, -1/2	2 × 2 ² = 8
n = 3 (M shell)	l = 0 (s) l = 1 (p) l = 2 (d)	m = 0 (s) m = +1 (p) m = -1 (p) m = +2 (d) m = +1 (d) m = 0 (d) m = -1 (d) m = -2 (d)	+1/2, -1/2 +1/2, -1/2 +1/2, -1/2 +1/2, -1/2 +1/2, -1/2 +1/2, -1/2 +1/2, -1/2 +1/2, -1/2	2 × 3 ² = 18

Date: 12-07-2024

Name of Teacher: Sh. Rohit (Assistant Professor of Chemistry, WRS GC Dehri)

Title of lecture : Basic concepts of chemical kinetics, gases and liquid state

Brief Report:

Topic covered: Chemical kinetics, rate law, collision theory, liquid state and gases state.

Abstract: The field of chemical kinetics delves into the rates at which chemical reactions occur and the factors influencing these rates. A comprehensive lecture on this topic encompasses a comprehensive exploration of several key concepts, including the order of reaction, integrated rate laws, collision theory, and the behaviours of gases and liquids in reactions.

Chemical Kinetics focuses on understanding the speed of chemical reactions and the mechanisms behind them. It begins with a fundamental analysis of reaction rates, examining how different variables such as concentration, temperature, and catalysts affect these rates. The discussion on the **order of reaction** emphasizes how the rate of a reaction depends on the concentration of reactants, delineating between zero-order, first-order, and second-order reactions. Each order has distinct mathematical relationships describing how the reaction rate changes over time, which can be experimentally determined and graphically represented. The **integrated rate laws** provide crucial insights into the time-dependent concentration of reactants or products. These laws integrate the differential rate equations to give expressions that relate the concentrations of reactants to time, enabling the calculation of half-lives and the prediction of reaction behaviour over time.

The screenshot shows a Zoom meeting interface. At the top, there is a presentation slide titled "Rate Constant" with a blue background. The slide content includes: "Consider the general reaction, $A \rightarrow B$ ", "rate $\propto [A]^n$ ", "rate $= k[A]^n$ ", and a note "where n is the order of the reaction with respect to A". Below the slide, it says "ROHIT is presenting". The bottom of the screen shows a grid of participant thumbnails. The first row includes a thumbnail for "ROHIT" (who is presenting), a muted participant, and a participant named "Pallavi". The second row includes a muted participant, a participant named "Aarsh", and a group of "24 others".

For instance, the integrated rate law for a first-order reaction shows an exponential decrease in reactant concentration, while a second-order reaction exhibits a reciprocal relationship.

Collision theory offers a molecular-level explanation for reaction rates, positing that reactions occur when reactant molecules collide with sufficient energy and proper orientation. This theory underscores the significance of the activation energy, the minimum energy required for a reaction to proceed, and explains the role of temperature and catalysts in altering the rate of reactions by influencing the frequency and energy of collisions.

The study of reactions in the **gaseous and liquid states** further elucidates the principles of chemical kinetics. Gaseous reactions are often influenced by pressure and volume changes, which can be described by the ideal gas law and its kinetic molecular interpretation. In the liquid state, solvent interactions and diffusion play critical roles, with the viscosity of the liquid medium impacting the movement and collision frequency of reactant molecules. Through a competitive lecture format, students and professionals can engage deeply with the material, fostering critical thinking and a robust grasp of the dynamic nature of chemical reactions.

Date: 13-07-2024

Name of Teacher: Sh. Deep Kumar (Assistant Professor of Chemistry, WRS GC Dehri)

Title of lecture : Inorganic Chemistry

Brief Report:

Topics Covered: Periodic Classification of Elements, Chemical Bonding, Acids, Bases, and Salts, Oxidation and Reduction (Redox) Reactions

1. Periodic Classification of Elements

Overview: The periodic classification of elements refers to the arrangement of elements in the Periodic Table based on their atomic number, electron configurations, and recurring chemical properties.

Key Points: Groups and Periods, Trends in the Periodic Table, Atomic Radius, Ionization Energy, Electronegativity, Metallic and Non-metallic Character

2. Chemical Bonding

Overview: Chemical bonding refers to the force that holds atoms together in compounds.

Key Points: Ionic Bonds, Covalent Bonds, Metallic Bonds

3. Acids, Bases, and Salts

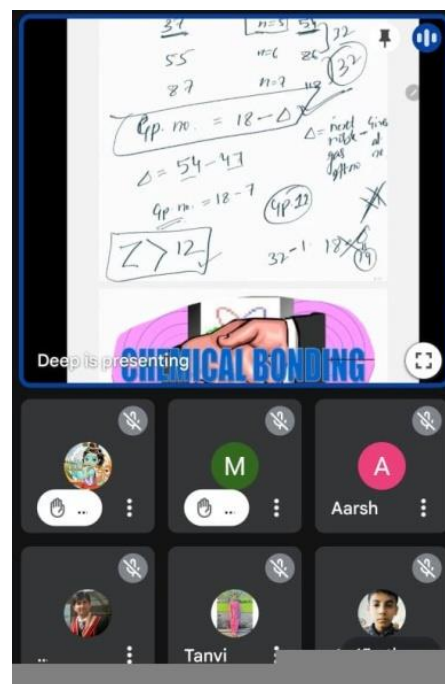
Overview: Acids, bases, and salts are three classes of compounds that exhibit specific properties and participate in neutralization reactions.

Key Points: Acids, Bases, Salts

4. Oxidation and Reduction

Overview: Oxidation and reduction (redox) reactions involve the transfer of electrons between species. They are fundamental to many chemical processes, including combustion, corrosion, and respiration.

Key Points: Oxidation, Reduction, Oxidizing and Reducing Agents, Redox Reactions



Date: 14-07-2024

Name of Teacher: Dr. Manoj Kumar (Assistant Professor of Chemistry, GADC Nurpur)

Title of lecture : Carbon and its Compounds, Fuels Chemistry and Radioactivity

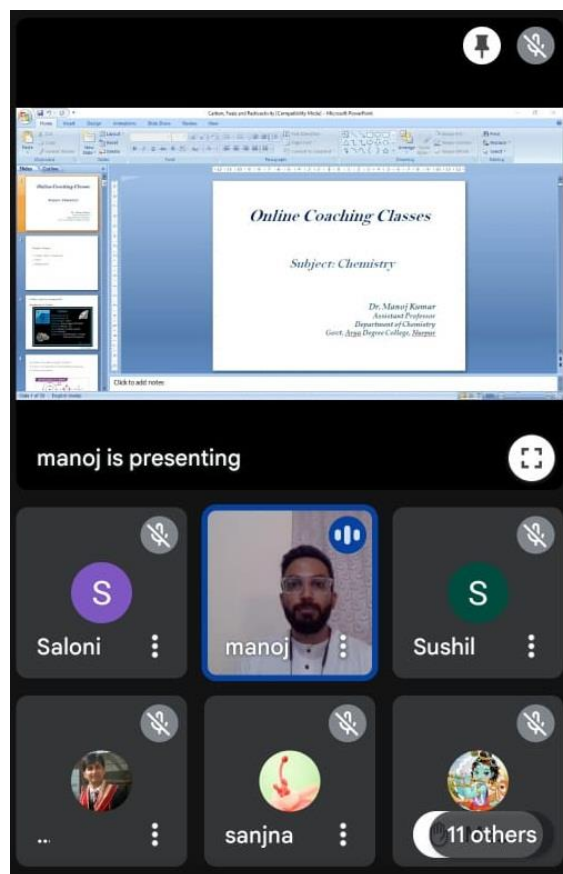
Brief Report:

The lecture commenced with an introduction to carbon's unique properties, highlighting its ability to form diverse compounds. The speaker discussed various types of carbon compounds, including hydrocarbons, functional groups, and biomolecules.

The second segment focused on fuel chemistry, exploring carbon-based fuels like coal, petroleum, and natural gas. The speaker explained combustion reactions, energy release, and environmental implications. Alternative fuels, such as biofuels and hydrogen fuel cells, were also discussed.

The final segment delved into radioactivity, explaining the concept of radioactive isotopes and their applications. The speaker specifically highlighted carbon-14, its uses in dating organic materials, and its significance in medicine, industry, and research.

The speaker has also recommended different books that can help the students to prepare for competitive examinations.



Date: 15-07-2024

Name of Teacher: Mrs. Shashi Bala (Assistant Professor of Physics, GADC Nurpur)

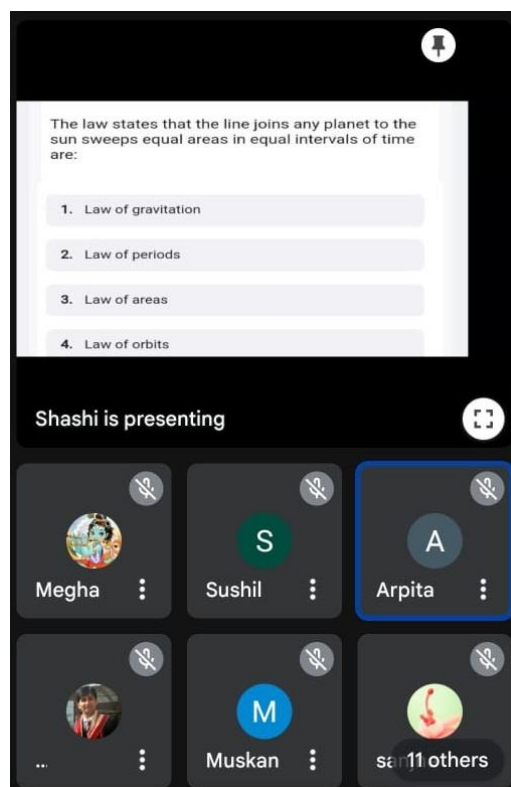
Title of lecture : Energy, Momentum and Gravity

Brief Report:

The understanding of Energy, Momentum, and Gravity is fundamental not only in the field of physics but also in various aspects of our daily lives. Energy, as the ability to do work, powers everything from the lights in our homes to the movement of vehicles. Momentum, the product of an object's mass and velocity, influences how objects interact and move in the world around us. Gravity, the force that attracts objects toward each other, governs the motion of planets in our solar system and keeps us grounded on Earth.

Expanding on these concepts, it is crucial for students to grasp the principles of conservation of energy, momentum, and the universal law of gravitation. Understanding these laws enables us to comprehend the behavior of systems ranging from simple collisions to the orbits of celestial bodies. Moreover, delving into advanced topics like relativistic energy-momentum relationships and gravitational waves opens up exciting avenues for exploration in modern physics.

In conclusion, the knowledge of Energy, Momentum, and Gravity serves as a cornerstone for scientific inquiry and technological advancements. By fostering a deep understanding of these concepts, students can not only appreciate the beauty of the natural world but also contribute to groundbreaking discoveries in the realms of physics and beyond.



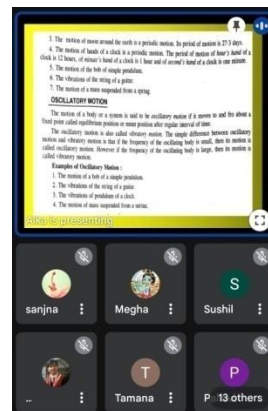
Date: 16-07-2024

Name of Teacher: Mrs. Alka (Assistant Professor of Physics, GADC Nurpur)

Title of lecture : Waves and Oscillations

Brief Report:

In this lecture various topics like periodic motion , Oscillatory vs vibratory motion, simple harmonic motion and its types, basic terms, differential equation, displacement, velocity and acceleration of particle executing simple harmonic motion were explained to students. The MCQs related to these topics were also discussed with the students.



Date: 17-07-2024

Name of Teacher: Dr. Kumari Seema (Assistant Professor of Physics, WRS GC Dehri)

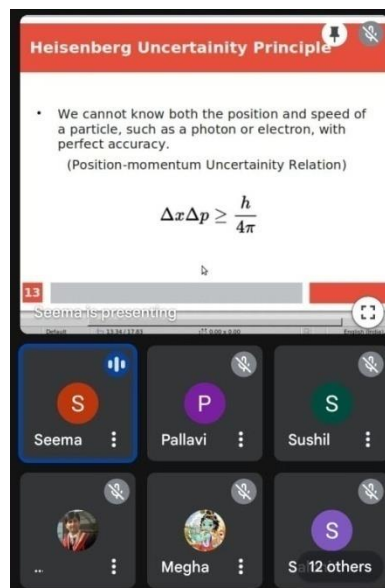
Title of lecture : Competitive Coaching-Physics

Brief Report:

Three topics Quantum Mechanics, Nuclear Physics and Particle Physics were discussed with students. Types of MCQs asked from these subjects in competitive exams were also discussed with students.

Quantum Mechanics:

Basics of quantum mechanics were discussed with students. Difference between classical and quantum mechanics was discussed. Photoelectric effect, dual nature of radiations, dual nature of particles, uncertainty principle, electromagnetic radiations etc. were also explained. Expected MCQs from these topics were also discussed.



Nuclear Physics:

Nuclear Physics is a important topic from competitive exam point of view. Nuclear structure theories, composition of nucleus, properties of nucleus were discussed in detail. Concept of radioactivity and decays were also explained to students. Nuclear fusion and fission process were also discussed.

Particle Physics:

Introductory particle physics was explained to students. Fundamental forces present in nature and their nature was discussed. Concept of particle and anti-particle was also discussed. Different types of elementary particles present were also discussed.

Date: 18-07-2024

Name of Teacher: Sh. Rajat Rana (Assistant Professor of Physics, WRS GC Dehri)

Title of lecture: Fundamental Concepts in Physics: Momentum, Energy, Electric Fields, and Electric Potential

Brief Report:

Topics Covered: Momentum, Energy, Electric Fields, and Electric Potential.

1. Overview of the Presentation

The presentation covered essential physics topics, including momentum, energy, electric fields, and electric potential. These fundamental concepts are crucial for understanding the laws governing motion and electromagnetic interactions. The presentation aimed to provide a comprehensive understanding of each topic, linking theoretical principles with practical applications.

2. Content Summary

The presentation was organized into four main sections, each focusing on a different aspect of physics:

1. Momentum:

- Definition and Principles.
- Equations and Numericals.
- Applications.

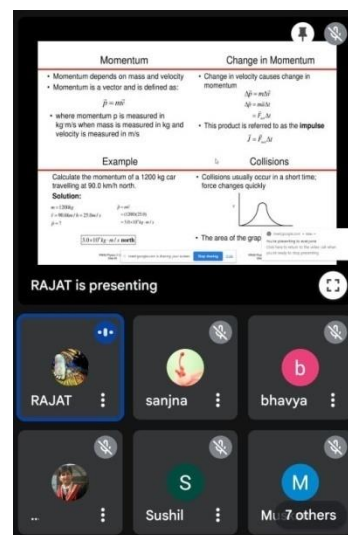
2. Energy:

- Types of Energy.
- Conservation of Energy.
- Equations and Numericals.
- Applications.

3. Electric Fields:

- Definition and Characteristics.
- Equations and Numericals.
- Applications.

4. Electric Potential:



- **Definition and Concepts.**
- **Equations.**
- **Applications.**

3. Presentation Delivery

- **Strengths:**
 - **Clarity of Explanation:** The presenter explained complex concepts clearly and concisely, making them accessible to the audience.
 - **Use of Visual Aids:** Effective use of diagrams, charts, and animations to illustrate key points and equations.
 - **Engagement:** The presentation included interactive elements such as polls and questions, maintaining audience interest.
 - **Comprehensive Coverage:** Thorough coverage of each topic, linking theory with practical examples.
- **Weaknesses:**
 - **Pacing Issues:** Certain sections, particularly electric fields, felt rushed, potentially leaving some audience members behind.
 - **Q&A Management:** The Q&A session lacked structure, leading to tangential discussions that diverted focus from the main topics.

4. Recommendations for Improvement

1. **Improve Pacing:** Allocate more time for complex topics to ensure audience comprehension and avoid rushing through sections.
2. **Enhance Visuals:** Use more detailed and interactive visual aids to help explain intricate concepts, especially in electric fields and potentials.
3. **Structured Q&A:** Implement a structured approach to the Q&A session, perhaps by grouping similar questions and addressing them collectively.
4. **Audience Feedback:** Consider collecting feedback from the audience post-presentation to identify specific areas for further improvement and tailor future presentations accordingly.

5. Conclusion

The presentation on fundamental physics topics successfully conveyed key concepts of momentum, energy, electric fields, and electric potential. While the presentation was well-received and informative, addressing the identified weaknesses and incorporating suggested improvements could further enhance its effectiveness. Overall, the presenter demonstrated a strong understanding of the subject matter, contributing valuable insights to the audience's understanding of these critical physics concepts.

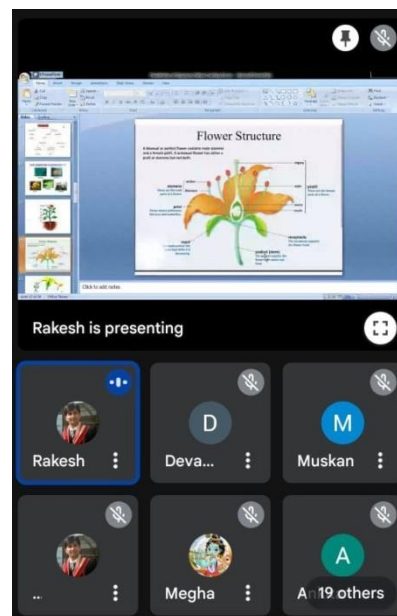
Date: 19-07-2024

Name of Teacher: Dr. Rakesh Kumar (Associate Professor of Botany, GADC Nurpur)

Title of lecture: Botany for Competitive Examinations

Brief Report :

Dr. Rakesh Kumar, Associate Professor of Botany from Govt. Arya Degree College Nurpur; delivered a talk on topic “Botany for Competitive examination”. He explained about the classification of organisms, five kingdom system of classification; plant parts, root system and shoot system; structure of flower, flower as modified shoot, calyx, corolla, androecium, gynoecium and their role; pollination, different mechanisms of pollinations and pollinating vectors; prokaryotic and eukaryotic cells; cell cycle, mitosis and meiosis. He explained his lecture with well labeled coloured diagrams. Multiple choice questions which are generally asked in various competitive examinations were also discussed with the participants/students. Queries of the students were explained at the end of lecture.



Date: 20-07-2024

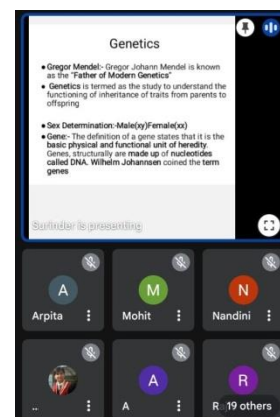
Name of Teacher: Dr. Surinder Kumar (Assistant Professor of Botany, WRS GC Dehri)

Title of lecture : Basics of Botany

Brief Report:

Topics Covered: Photosynthesis, Plants Nutrients, Genetics, Economic Botany and other important aspects of Biosciences.

Dr. Surinder Kumar has given the basics information on the concepts like Photosynthesis, Plants Nutrients , Genetics, Economic Botany and other major aspects of Biosciences.



Date: 21-07-2024

Name of Teacher: Dr. Dijeet Singh (Associate Professor of Zoology, GADC Nurpur)

Title of lecture: Tips and Knowledge about Basic Syllabus / Course of Zoology for Competitive Examinations

Brief Report:

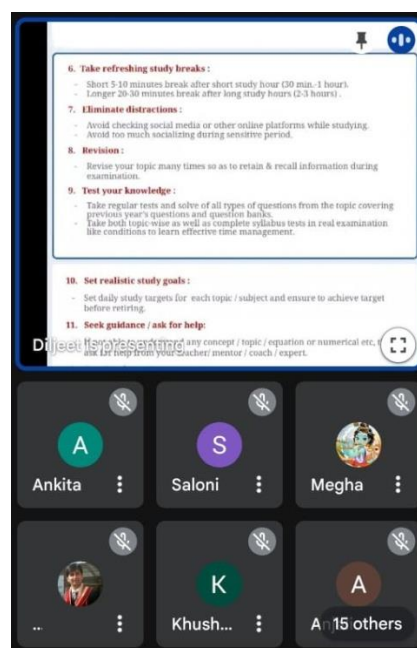
The lecture was delivered on study tips for preparation of competitive examinations and knowledge about the basic syllabus / course of zoology covered in a number of competitive examinations.

In the beginning, important tips to study for competitive examinations were shared with students like making a schedule, setting up of study area, syllabus and study material, thorough study of each topic, testing knowledge, seeking help / guidance, revision, persistence in efforts, setting realistic goals, revision, distraction elimination, types of questions and time management and; study of questions from previous year's question papers / question banks etc.

After that, information was given about the basic syllabus / course of zoology covered in a number of competitive examinations. These topics were Integumentary system, Digestive system, Respiratory system, Circulatory system, Skeletal system, Muscular system, Excretory system, Nervous system, Reproductive system and Endocrine system.

The theoretical knowledge of each topic was demonstrated along with coloured diagrams / images and after that short answer type questions from each topic were shared with students.

In the end, queries of participating students were taken and the coaching session ended with a vote of thanks.



Date: 22-07-2024

Name of Teacher: Dr. Shivani Sharma (Assistant Professor of Zoology, WRS GC Dehri)

Title of lecture: Respiratory system, Circulatory system , Blood and its composition

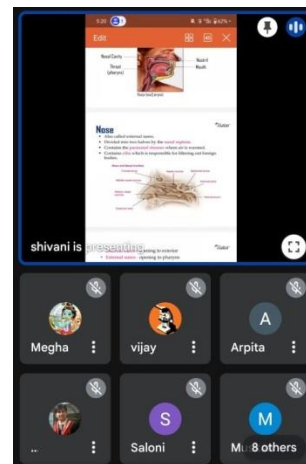
Brief Report:

The resource person discussed about three systems, which include respiratory system, circulatory system , Blood and its composition.

Respiratory system made of lungs, airways (trachea), bronchi and bronchioles, diaphragm, voice box ,throat,nose and mouth . Its main function is to breathe in oxygen and breathe out carbon dioxide.

In Circulatory system we discussed about delivering of oxygen and nutrients to cells and take away wastes. For this purpose Heart mainly pumps oxygenated blood on different sides. The types of blood vessels include arteries, capillaries and veins. Arteries carry oxygenated blood away from heart and veins carry blood back to heart.

Also discussed about blood that is connective tissue and specialized body fluid of human body. It has four main components: plasma,red blood cells, white blood cells and platelets and it performs various functions including transporting oxygen and nutrients to the lungs and tissues .



Date: 23-07-2024

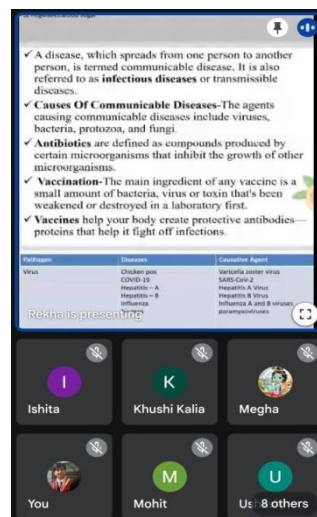
Name of Teacher: Miss Rekha (Assistant Professor of Zoology, WRS GC Dehri)

Title of lecture: Human Physiology

Brief Report:

Topics Covered: Digestive System, Nutrition, Micronutrients and Macronutrients, Human diseases caused by Protozoan, Bacteria and Viruses, Vaccination.

The lecture covered the most important topic of physiology- Digestive system, minerals and vitamins, deficiency diseases, diseases caused by microorganisms, vaccination and diseases spread through vectors.



Date: 24-07-2024

Name of Teacher: Dr. Shashi Kumar (Assistant Professor of Commerce, WRS GC Dehri)

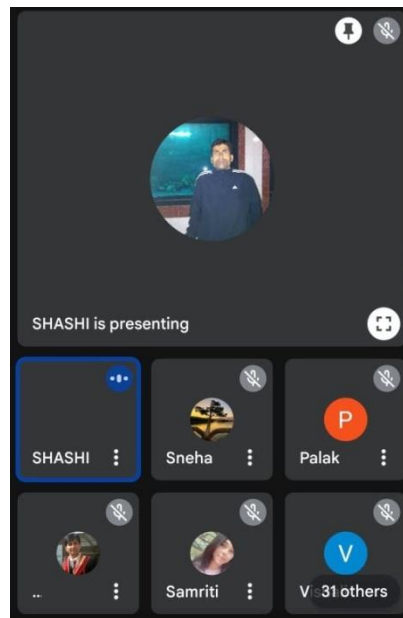
Title of lecture: Overview of GST

Brief Report:

Topics Covered:

Tax structure in India before and after implementation of GST various terms used under GST Mechanism. Concept of GST, Need for GST in India, Framework of GST as introduced in India. Benefit of GST, supply under GST, charge under GST and Constitutional Provisions.

Goods and Services tax is an Indirect tax imposed on the supply of goods and services. It is a multi-stage, destination-oriented tax imposed on every value addition, replacing multiple indirect taxes, including VAT, Excise duty and Service taxes etc. Tax structure in India before and after implementation of GST various terms used under GST Mechanism. Concept of GST, Need for GST in India, Framework of GST as introduced in India. Benefit of GST, supply under GST, charge under GST and Constitutional Provisions.



Date: 25-07-2024

Name of Teacher: Mrs. Kiran Bala (Assistant Professor of Commerce, GADC Nurpur)

Title of lecture: Basics of Income Tax

Brief Report:

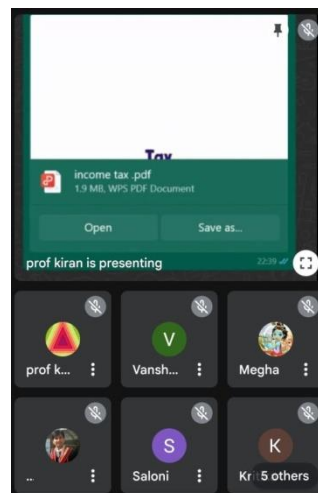
Income tax

Basics of income tax

1. Definitions
2. Five head
3. Deduction
4. Gross income
5. Rate slabs

Budget 2024-25

1. Theme
2. Major components
3. Priorities
4. Rupee out and in
5. Income and expenditure



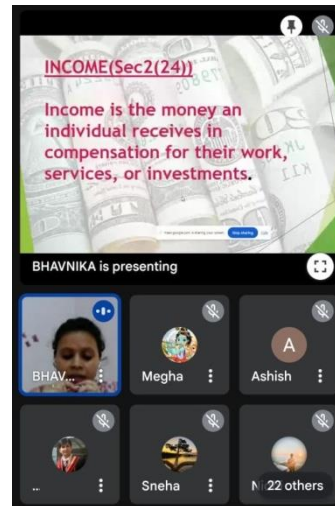
Date: 26-07-2024

Name of Teacher: Mrs. Bhavnika M (Assistant Professor of Commerce, WRS GC Dehri)

Title of lecture: Meaning of Tax and its Types

Brief Report:

The lecture covers History and present scenario of Income Tax in India; Meaning of income tax and other Basic concepts of Income tax; different sections of Income tax, Residential status and incidence of Tax. It described current income tax slabs in India; Old and New Tax regime. The queries of the students were also discussed and resolved.



Date: 27-07-2024

Name of Teacher: Sh. Surjeet Singh (Assistant Professor of Commerce, GADC Nurpur)

Title of lecture: Introduction of GST

Brief Report:

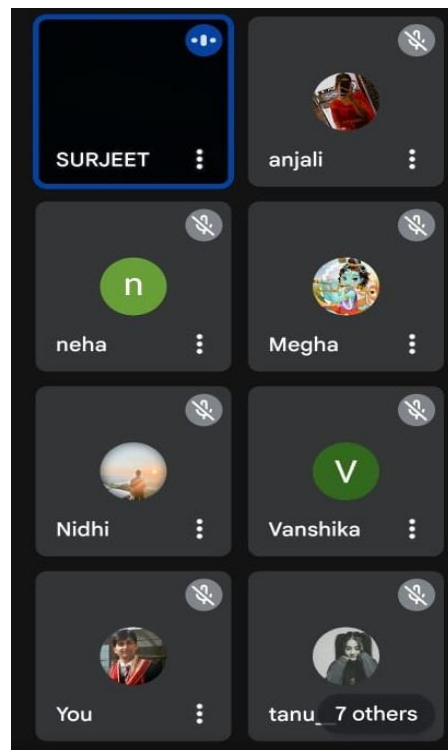
Topics covered: Evolution of GST in India, features of GST, benefits of GST, structure of GST

GST is most ambitious and remarkable indirect tax reforms in India's post-independence history. Its objective is to levy a single national uniform tax across India on all goods and services. GST has replaced a number of central and state taxes, made India more of a national integrated market, and brought more producers into the tax net. By improving efficiency, it can add substantially to growth as well as government finances. Implementing a new tax, encompassing both goods and services, by the Centre and states in a large and complex federal system, is perhaps unprecedented in modern global tax history.

GST is a tax on goods and services with comprehensive and continuous chain of set-off benefits up to the retailer level. It is essentially a tax only on value addition at each stage, and a supplier at each stage is permitted to set-off, through a tax credit mechanism, the GST paid on purchase of goods and services. Ultimately, the burden of GST is borne by the end-user (i.e. final consumers) of the commodity/service.

With the introduction of GST, a continuous chain of set-off from the original producer's point and service provider's point up to the retailer's level has been established, eliminating the burden of all cascading or pyramiding effect of an indirect tax system. This is the essence of GST. GST taxes only the final consumer. Hence the cascading of taxes (tax-on-tax) is avoided and production costs are cut down.

In a nutshell, GST is comprehensive indirect tax levy on manufacture, sale and consumption of goods as well as services at the national level. GST is an indirect tax for the whole of India to make it one unified common market. GST is designed to give India a world class tax system improve tax collections. It would end the long-standing distortions of differential treatment of manufacturing sector and services sector. GST will facilitate seamless credit across the entire supply chain and across all states under a common tax base.



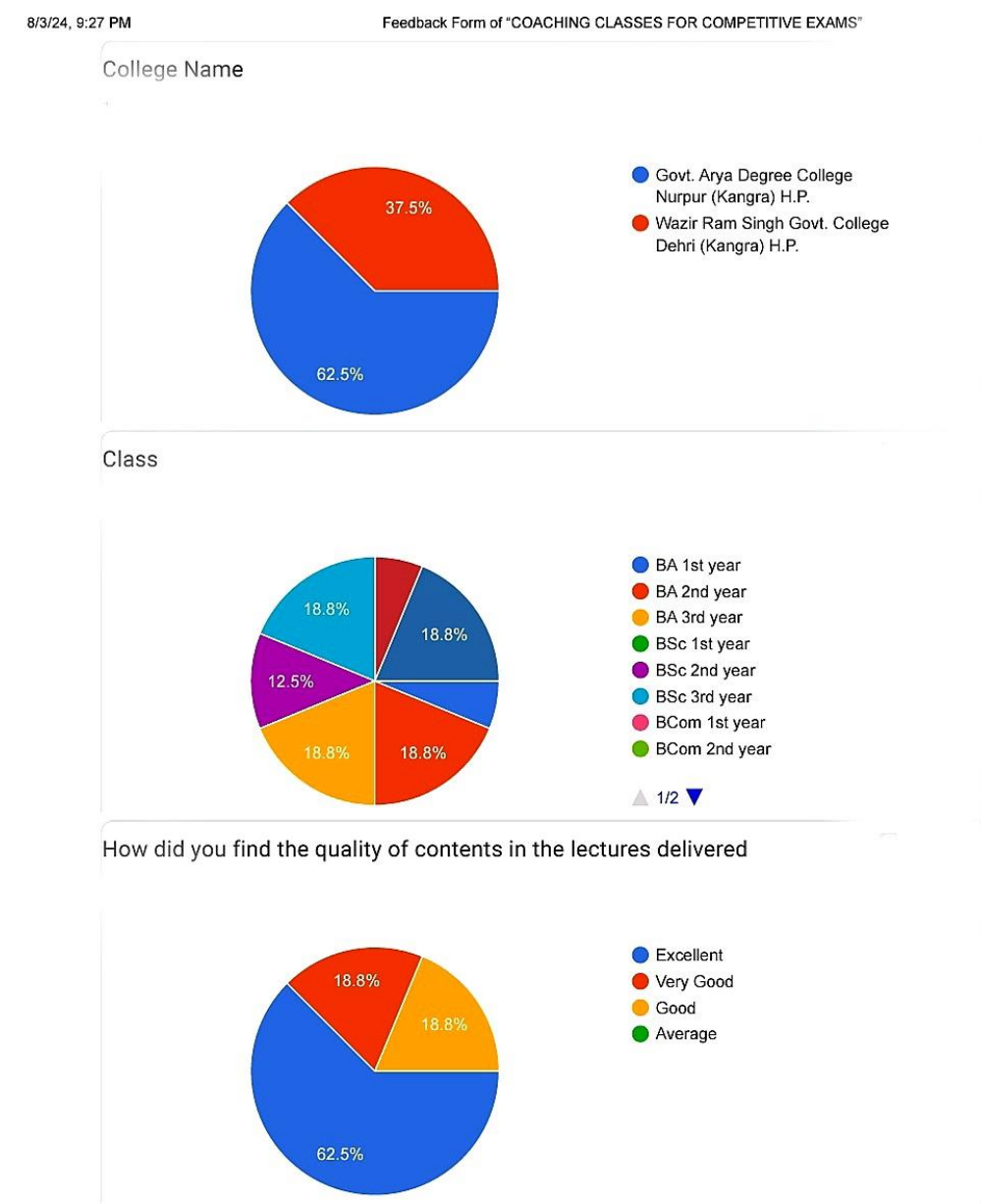
Date: 27-07-2024 VALEDICTORY SESSION:

Dr. Anil Kumar; Principal, Govt. Arya Degree College Nurpur (Kangra) H.P.

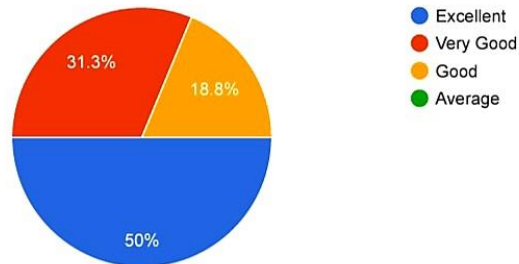
Brief Report:

Dr. Anil Kumar, the resource person of valedictory session congratulated and thanked all the teachers from both the institutions for their efforts to guide and motivate the students for their future competitive exams preparations. He gave best wishes to all the participants for their bright future.

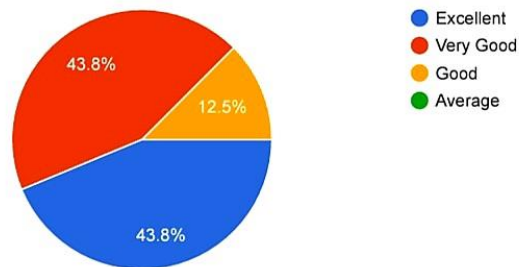
Feedback:



How will you rate your knowledge of the topics after attending online coaching classes



How will you rate the overall experience of attending online coaching classes



Any suggestion for improvement towards future events

Good

Excellent

You can do it in within every six months

No

No, but I just want these type of classes in future also, you all the teachers are so nice. I just wanna to thank you all for helping us for our future.

Excellent

Hindi

Nothing

discuss previous ques. paper of different -different types of exam