



**SSC GK**

# PYQs Class Notes

**PART-4**

**Parmar Sir**

**Lecture:- 21**

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# LECTURE-21



1

Which Article of the Indian Constitution mentions about the right of the Governor to address and to send messages to the House (or Houses) of the state legislature?

भारतीय संविधान के किस अनुच्छेद में राज्यपाल के राज्य विधानमंडल के सदन (या सदनों) को संबोधित करने और संदेश भेजने के अधिकार का उल्लेख है?

1. Article 171 — Composition of Legislative Council
2. Article 175
3. Article 172 — Term of Legislative Council & Assembly
4. Article 176 — Governor's special address to state legislation

Union Articles + 89 → State Article

86+89 → 175

2

Who among the following was granted the title of 'Chief of the Merchants' or Malikut-Tujjar by the Bahamani ruler, Humayun Shah?

निम्नलिखित में से किसे बहमनी शासक हुमायूँ शाह द्वारा 'व्यापारियों के प्रमुख' या मलिकुत-तुज्जार की उपाधि दी गई थी?

1. Ahmad III
2. Aladdin Imad Shah
3. Mahmud Gawan
4. Yusuf Adil Shah

Zaalim

Sarthavaha

## Bahmani Kingdom

- established in 1347 AD
- founder Allauddin Bahman Shah (Hassan Gangu)
- Capital- Gulbarga → shifted Bidar  
By Ahmad Shah I

Devaraya-I ← married to his daughter

- defeated by Firoz Shah
- Traveller- Nicolo de conti



## Bahmani Kingdom division

- Berar → annexed during the tenure of Akbar
  - Ahmednagar → annexed by Shahjahan
  - Bijapur (1686)
  - Golconda (1687)
  - Bidar
- } Aurangzeb
- } defeated Vijaynagar  
Battle of Talikota (1565)

3

Which of the following is a feature of globalisation?

निम्नलिखित में से कौन वैश्वीकरण की विशेषता है?

1. Self-reliance
2. Restrictions on expansion of public sector — Privatisation
3. Liberalisation of import licensing
4. Disinvestment — Privatisation  
will go in Capital Receipt

## 1991 - Balance of Payment crises in India

↓  
- In response GOI launched

### LPG Reforms (1991)

- PM- PV Narsimha Rao
- FM- Manmohan Singh (Food) (Work) (Productivity)
- After 7<sup>th</sup> FYP (1990 ended) → F + W + P
- **Liberalisation** - Reduction in government restrictions  
License Raj abolished  
adopted by 1st IPR 1948
- **Privatisation** - Shift of economic control from public entities to private hands
- **Globalisation** - Consolidation of the economy among other economies in the world

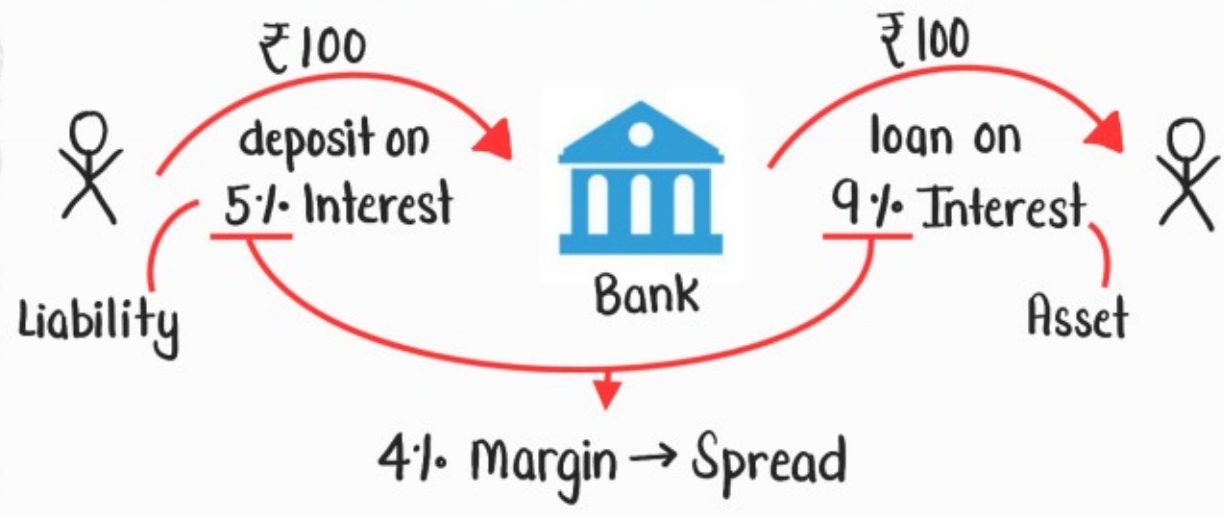
**Structural Reforms** - Before 8<sup>th</sup> FYP )  
based on indicative policy



**4** Reserve ratio and money supply have \_\_\_\_\_ relationship.

आरक्षित अनुपात और मुद्रा आपूर्ति में \_\_\_\_\_ संबंध है।

1. no
2. a negative
3. a linear
4. a symmetrical



**RBI** → mandates certain percentage of bank cash to be deposited in RBI. → **Cash Reserve Ratio (CRR)**

→ certain percentage to be deposited in form of gold/govt. securities → **Statutory Liquid Ratio (SLR)**

**Money Supply** - money circulating in the market

↑ decrease in CRR & SLR

↓ increase in CRR & SLR

**Bank Liability**

- liquid Demand - Deposits in Savings/Current A/c
- Time/Term - Fixed/Recurring deposits
  - penalty

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5

Choose the correct statements about the islands of India.

- a. Lakshadweep Islands are composed of coral islands.
- b. Andaman and Nicobar islands are composed of coral islands.
- c. It is believed that Lakshadweep islands are an elevated portion of submarine mountains.
- d. It is believed that Andaman and Nicobar islands are an elevated portion of submarine mountains.

- 1. b and c
- 3. a and d

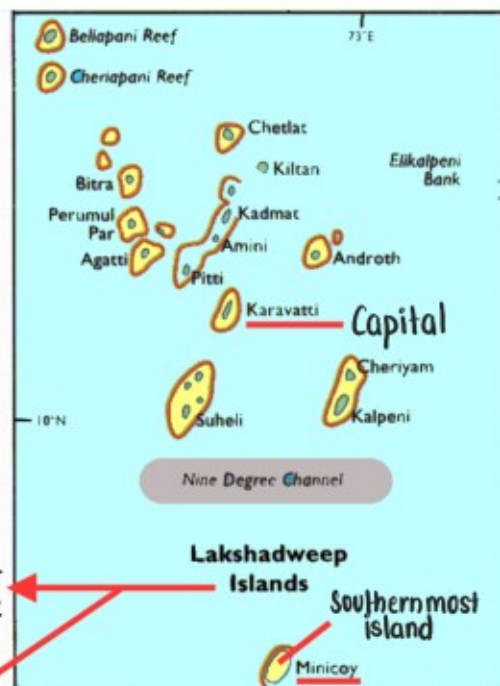
- 2. a and b
- 4. c and d



Favorable Conditions for Corals-

- Clear water, Salt water (oceans)
- Proper Sunlight

capital - Male  
 8° channel - Minicoy & Maldives & Lakshadweep





6

What is the height of the stump from the ground in cricket?

क्रिकेट में मैदान से स्टंप की ऊंचाई कितनी होती है?

1. 27 inch
2. 25 inch
3. 28 inch — 71cm
4. 26 inch

Test Match

- min. over-90 overs
- rate / hr - 15 overs / hr.
- Strike rate- Runs / 100 deliveries
- Batsman Avg- Runs / out

Football — Weight- 15 ounces (420gm)

Circumference- 68-70 cm

Cricket — Ball Wt- 5.5 ounces (160 gm)

Ball circumference- 9 inch

Shotput — Weight for Men- 7.26 kg (16 pounds)

Weight for women- 4 kg (8.8 pounds)

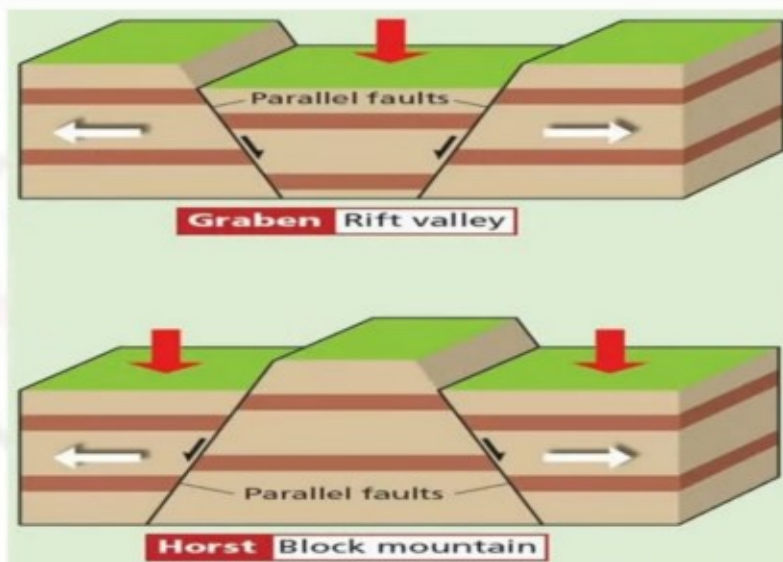
7

Which of the following is NOT a type of a fold mountain?

निम्नलिखित में से कौन सा वलित पर्वत का प्रकार नहीं है?

convergence

1. Aravali range
  2. The Rhine Valley — In Germany (Block mountain)
  3. Appalachians — In America
  4. Ural Mountains — divides Asia & Europe (in Russia)
- Old fold mountain (Residual)



- **Endogenic Forces** - forces that originate within the earth
- **Exogenic Forces** - forces that derive energy from earth's exterior
- **Orogenic Forces** - are mountain forming movements

**Africa** - Great Rift Valley (in Eastern Part)  
is still expanding

- **Alps Mountains** - Fold Mountains in Europe
- **Block Mountains** - Vosges (France), Mt. Harz (Germany),
- **Mt. Kilimanjaro** - Volcanic Mountain (Tanzania)  
Highest freely standing mountain in the world
- **Mt. Atlas** - Fold mountain in Africa

### Highest Peaks

- N. America - Denali (Mt. McKinley) - in Rockies (Young fold mountain)
- S. America - Mt. Aconcagua (Andes) - longest mountain range
- Europe - Mt. Elbrus
- Antarctica - Mt. Vinson Massif
- Africa - Mt. Kilimanjaro

**Mid-Atlantic Ridge** - World's longest landform





8

Which of the following polyhalogen compounds is used in the production of the freon refrigerant R-22?

निम्नलिखित में से कौन सा पॉलीहैलोजन यौगिक फ्रीऑन रेफ्रिजरेंट R-22 के उत्पादन में उपयोग किया जाता है?

1. Chloroform —  $\text{CHCl}_3$
2. Carbon Tetrachloride —  $\text{CCl}_4$
3. Methylene Chloride
4. Dichlorodiphenyltrichloroethane

9

Which of the following is correctly matched?

निम्नलिखित में से कौन सा सुमेलित है?

1. Zakir Husain – Sitar — Tabla
2. Sultan Khan – Sarangi — Sikar Gharana (RJ)
3. Bismillah Khan – Tabla — Shehnai
4. Hariprasad Chaurasia – Sarod — Flute

SNo	Gharana Name	Founder	Major Exponents
1.	Gwalior Gharana (Oldest Gharana of Khayal Singing)	<ul style="list-style-type: none"> <li>• Hassu Khan</li> <li>• Haddu Khan</li> <li>• Nathu Khan</li> <li>• Nathan Pir Baksh</li> </ul>	<ul style="list-style-type: none"> <li>• Raja Bhaiya Poonchwale</li> <li>• Krishnarao Shankar</li> <li>• Pandit Omkarnath Thakur</li> <li>• Veena Sahasrabudhe</li> <li>• Vishnu "Digambar" Paluskar</li> <li>• Bade Md. Khan</li> </ul>
2.	Kirana Gharana (UP)	<ul style="list-style-type: none"> <li>• Abdul Karim Khan</li> <li>• Abdul Wahid Khan</li> </ul>	<ul style="list-style-type: none"> <li>• Pt. Bhimsen Joshi</li> <li>• Sawai Gandharva</li> <li>• Gangubai Hangal</li> <li>• Prabha Atre</li> <li>• Manik Varma</li> <li>• Channulal Mishra</li> </ul>
3.	Patiala Gharana	<ul style="list-style-type: none"> <li>• Ustad Fateh Ali Khan</li> <li>• Ustad Ali Baksh Khan</li> <li>• Mian Kallu (Sarangi)</li> </ul>	<ul style="list-style-type: none"> <li>• Bade Ghulam Ali Khan</li> <li>• Begum Akhtar</li> <li>• Ajay Chakraborty</li> <li>• Naina Devi</li> <li>• Praveen Sultana</li> <li>• Lakshmi Shankar</li> <li>• Amanat Ali Khan</li> </ul>
4.	Mewati Gharana	<ul style="list-style-type: none"> <li>• Ghahhe Nazir Khan</li> </ul>	<ul style="list-style-type: none"> <li>• Pt. Jasraj</li> <li>• Maniram</li> <li>• Sanjeev Abhyankar</li> <li>• Kala Ramnath</li> <li>• Tripti Mukherjee</li> <li>• Sanjeev Abhyankar</li> <li>• Ratan Mohan Sharma</li> </ul>
5.	Maihar Gharna	<ul style="list-style-type: none"> <li>• Ustad Allaudin Khan</li> </ul>	<ul style="list-style-type: none"> <li>• Pt. Ravi Shankar</li> <li>• Annapurna Devi</li> </ul>



			<ul style="list-style-type: none"><li>• Nikhil Banerjee</li><li>• Hariprasad Chaurasia</li><li>• Ali Akbar Khan</li><li>• Pannalal Ghosh</li><li>• VG Jog</li></ul>
6.	Indore Gharana	<ul style="list-style-type: none"><li>• Ustad Amir Khan</li></ul>	<ul style="list-style-type: none"><li>• Sultan Khan</li><li>• Pandit Amarnath</li><li>• Shankar Lal Mishra</li><li>• Kalyan Banerjee</li><li>• Purvi Mukherjee</li></ul>
7.	Jaipur-Atrauli Gharana	<ul style="list-style-type: none"><li>• Alladiya Khan</li></ul>	<ul style="list-style-type: none"><li>• Kesarbai Kerkar</li><li>• Mallikarjun Mansur</li><li>• Vidyadhar Vyas</li><li>• Vidyagauri Adkar</li><li>• Bande Ali Khan</li><li>• Pt. Lakshman Prasad</li><li>• Kishori Amonkar</li></ul>
8.	Punjab Gharana	<ul style="list-style-type: none"><li>• Lal Bhawani Singh</li></ul>	<ul style="list-style-type: none"><li>• Alla Rakha</li><li>• Zakir Hussain</li><li>• Nikhil Ghosh</li><li>• Shafaat Ahmed Khan</li><li>• Ustad Altaf Hussain</li><li>• Ustad Ashfaque Hussain</li><li>• Mian Qadir Baksh</li></ul>
9.	Benaras Gharana of Kathak	<ul style="list-style-type: none"><li>• Janaki Prasad</li></ul>	
10.	Benaras Gharana of Khayal	<ul style="list-style-type: none"><li>• Pt. Gopal Mishra</li></ul>	
11.	Benaras Gharana of Tabla	<ul style="list-style-type: none"><li>• Pt. Ram Sahai</li></ul>	<ul style="list-style-type: none"><li>• Ustad Bismillah Khan</li><li>• Pt. Anokhelal Mishra</li><li>• Pt. Kishan Maharaj</li></ul>

			<ul style="list-style-type: none"><li>• Samta Prasad</li><li>• Pt. Kanthe Maharaj</li><li>• Gopal Misra</li><li>• Hanuman Prasad Misra</li></ul>
12.	Rampur Seshwan Gharana	<ul style="list-style-type: none"><li>• Ustad Inayat Khan</li><li>• Mahbub Khan</li></ul>	<ul style="list-style-type: none"><li>• Ghulam Mustafa Khan</li><li>• Ustad Rashid Khan</li><li>• Sadik Hussain Khan</li><li>• Ustad Nisar Khan</li><li>• Zeeshan Khan</li><li>• Abbas Khan</li></ul>
13.	Bhendi Bazar Gharana	<ul style="list-style-type: none"><li>• Ustad Chhaju Khan</li></ul>	<ul style="list-style-type: none"><li>• Aman Ali Khan</li><li>• Lata Mangeshkar</li><li>• Anjanibai Malpekar</li><li>• Sashikala Kortkar</li></ul>
14.	Agra Gharana	<ul style="list-style-type: none"><li>• Ghagge Khuda Baksh</li></ul>	<ul style="list-style-type: none"><li>• Sujan Singh</li><li>• Hajisujan Khan</li></ul>
15.	Darbhanga Gharana	<ul style="list-style-type: none"><li>• Radhakrishna</li><li>• Kartaram</li></ul>	<ul style="list-style-type: none"><li>• Ramchatur Mallik</li><li>• Prem Kumar Mallik</li><li>• Siyaram Tiwari</li></ul>

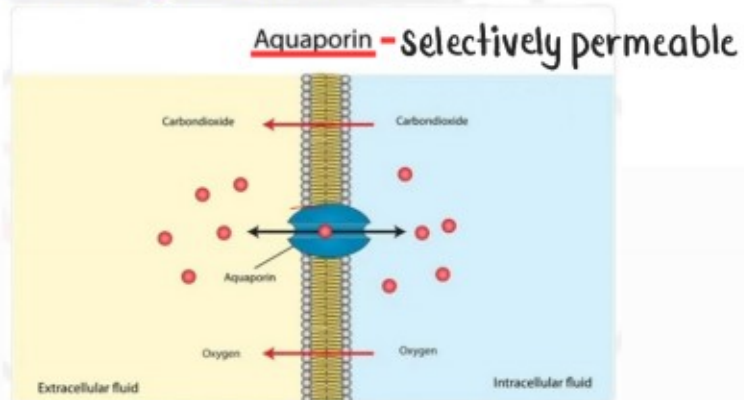


10

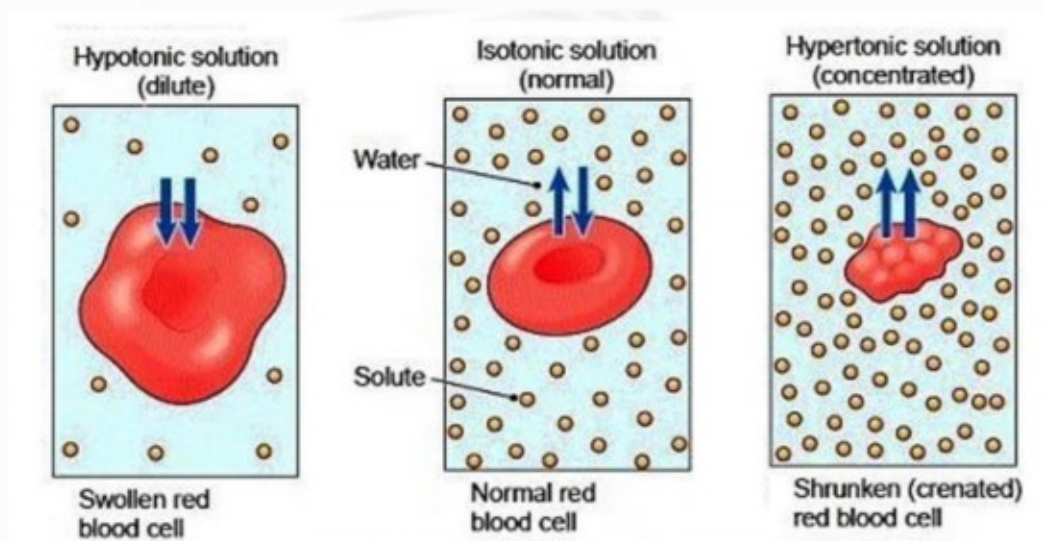
Which is an integral membrane protein that forms the tetramer and facilitates the diffusion of water and some small, unmodified solutes across cellular membranes?

वह कौन सा अभिन्न झिल्ली प्रोटीन है जो टेट्रामर बनाता है और कोशिकीय झिल्लियों में पानी : कुछ छोटे, असंशोधित विलेय के प्रसार को सुगम बनाता है?

1. Immunoglobulins
2. Mucins
3. Transferrin
4. Aquaporins



Osmosis – movement from High concentration to low concentration through selectively permeable membrane



11

Which of the following statement/statements is/are true regarding the light year?

प्रकाश वर्ष के संबंध में निम्नलिखित में से कौन सा/से कथन सत्य है/हैं?

1. Light year is a unit of distance.
2. Light is a unit of time.
3. A light year is the distance that light travels in one Earth year.
4. Light year is the measurement of light intensity.

$9.46 \times 10^{12}$  km

Parsec-Unit of Distance

1. Only 1 is correct
3. Only 2 is correct

2. Only 1 and 3 are correct
4. Only 1 and 2 are correct

12

Who among the following is a distinguished and experienced scion of the famous Kavungal family associated with 'Kathakali' for six generations?

निम्नलिखित में से कौन छह पीढ़ियों से 'कथकली' से जुड़े प्रसिद्ध कावुंगल परिवार का प्रतिष्ठित और अनुभवी वंशज है?

1. Padma Subramanyam
2. Ammannur Madhava Chakyar
3. Chathunni Panicker
4. Meenakshi Sundaram Pillai

facial Expression-9

Vesham-5

Characters-7

Kootiyattam (Folk Dance of Kerala)

13

Which Article of the Indian Constitution mentions about the salaries and allowances of the Chairman and Deputy Chairman of the Rajya Sabha and the Speaker and Deputy Speaker of the Lok Sabha?

भारतीय संविधान के किस अनुच्छेद में राज्यसभा के सभापति और उपसभापति तथा लोकसभा के अध्यक्ष और उपाध्यक्ष के वेतन और भत्तों का उल्लेख है?

1. Article 92 — Removal of Chairman & Deputy Chairman (RS)
2. Article 97
3. Article 94 — Resign/Vacation/Removal of speaker/Deputy Speaker (LS)
4. Article 95

Resolution to remove VP — only in RS

- to be passed with effective majority in RS
- to be passed with simple majority in LS

Article-95

- circumstances in which Deputy speaker performs the duties of the speaker — Resign/Remove/Death
- in absence of Speaker & deputy speaker
  - sits a Panel of Chairperson
- if seats of speaker & deputy speaker vacant
  - president will choose temporary speaker and elections will be conducted

Panel of Vice Chairperson — in RS



14

Which of the following statements are correct regarding the jurisdiction of the Supreme Court of India?

- A. Original jurisdiction extends to any dispute between the Government of India and one or more States or between the Government of India and any State or States on one side and one or more States on the other or between two or more States.
- B. Appellate Jurisdiction extends when the Union plus some States are one side and some other States on the other side of the dispute.
- C. Under Articles 129 and 142 of the Constitution, the Supreme Court has been vested with the power to punish for contempt of court.
- D. As of now, the International Commercial Arbitration cannot be initiated in the Supreme Court.

- 1. B and D only
- 3. A, B, C and D

- 2. A and C only
- 4. A and B only

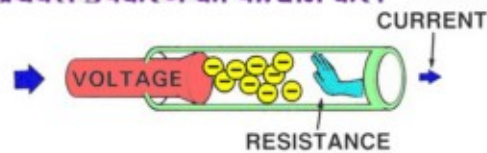
15

Identify the device used to change the resistance in an electric circuit.

विद्युत परिपथ में प्रतिरोध को बदलने के लिए प्रयुक्त उपकरण की पहचान करें।

- 1. Ammeter
- 2. Rheostat
- 3. Conductor
- 4. Voltmeter

SI unit - Ohm  $\Omega$



Resistance  $\propto \frac{l}{\text{Area}}$

$R = \rho \frac{l}{A}$   
 Resistivity  $\rho$  — length of wire  $l$   
 $A$  — Area of cross-section

Ohm's law - 1827

$V \propto I$   
 $V = IR - (\text{constant})$

Resistance — opposite Conductance  
 (SI unit - mho /  $\text{ohm}^{-1}$  / SEIMENS)

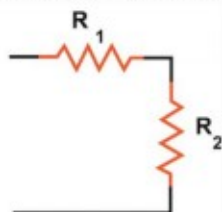
1 coulomb -  $6.24 \times 10^{18} e^-$

Resistance in Circuits

Equivalent Resistance =  $\frac{1}{R_{eq}} = \frac{1}{R_1} + \frac{1}{R_2} + \frac{1}{R_3} \dots$

Series

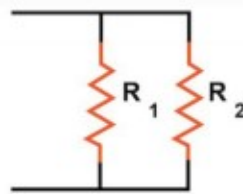
(current same)



Series

Parallel

(potential diff. same)

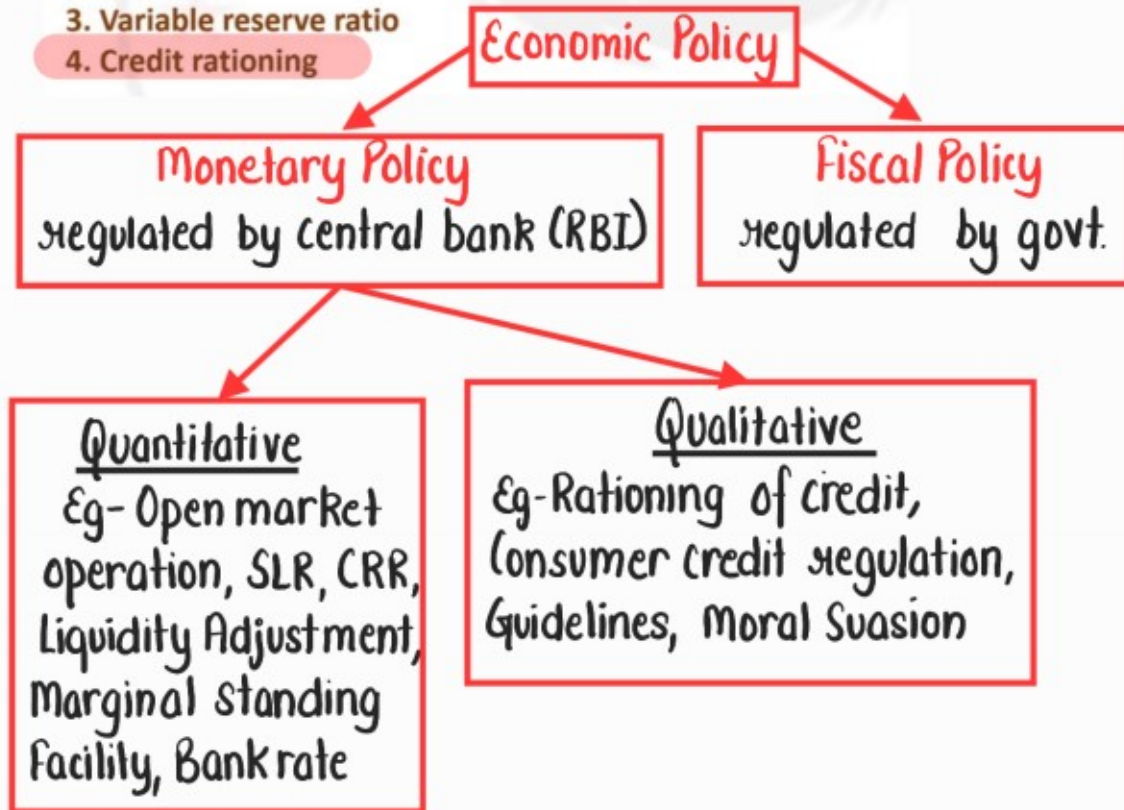


Parallel

**16** Which of the following is a selective credit instrument?

निम्नलिखित में से कौन सा चयनात्मक ऋण साधन है?

1. CRR
2. Bank rate
3. Variable reserve ratio
4. Credit rationing



## Qualitative monetary policy tools of central bank

This slide shows the four major tools used by central bank of an economy to control credit and inflation. It includes rationing of credit, change in marginal requirements, regulation of consumer credit and moral suasion



### Rationing of Credit

- Certain amount is fixed for industrial , household and other purposes
- Credit supply for each commercial bank is fixed
- Add text here

### Change in marginal requirements

- Margin is increased for unnecessary sectors
- Margin is decreased for necessary sectors
- Add text here

### Regulation of consumer credit

- Instalment amount, down payment, loan duration are all fixed in advance
- Used to control inflation in country
- Add text here
- Add text here

### Moral suasion

- Credit limit for each sector is imposed by rules and regulations
- Guidelines and regulations are fixed by central bank for speculative purposes
- Add text here



	Monetary Policy	Fiscal Policy
<b>Tool</b>	Interest rates	Tax and government spending
<b>Effect</b>	Cost of borrowing/mortgages	Budget deficit
<b>Distribution</b>	Higher interest rates hit homeowners but benefit savers	Depends which taxes you raise.
<b>Exchange rate</b>	Higher interest rates cause appreciation	No effect on exchange rate
<b>Supply-side</b>	Limited impact	Higher taxes may affect incentives to work
<b>Politics</b>	Monetary policy set by independent Central Bank	Changing tax and government spending highly political.
<b>Liquidity trap</b>	Cuts in interest rates may not work in liquidity trap	Fiscal policy advised in very deep recessions

17

What is the pH of human blood?

Power of Hydrogen  
p=potenz

Acid + Base → Salt + Water  
Neutralisation Reaction

1. 6.5
2. 5.8
3. 10
4. 7.4 — slightly alkaline/basic

Saliva — 6.4–6.6 pH  
less pH leads to tooth decay

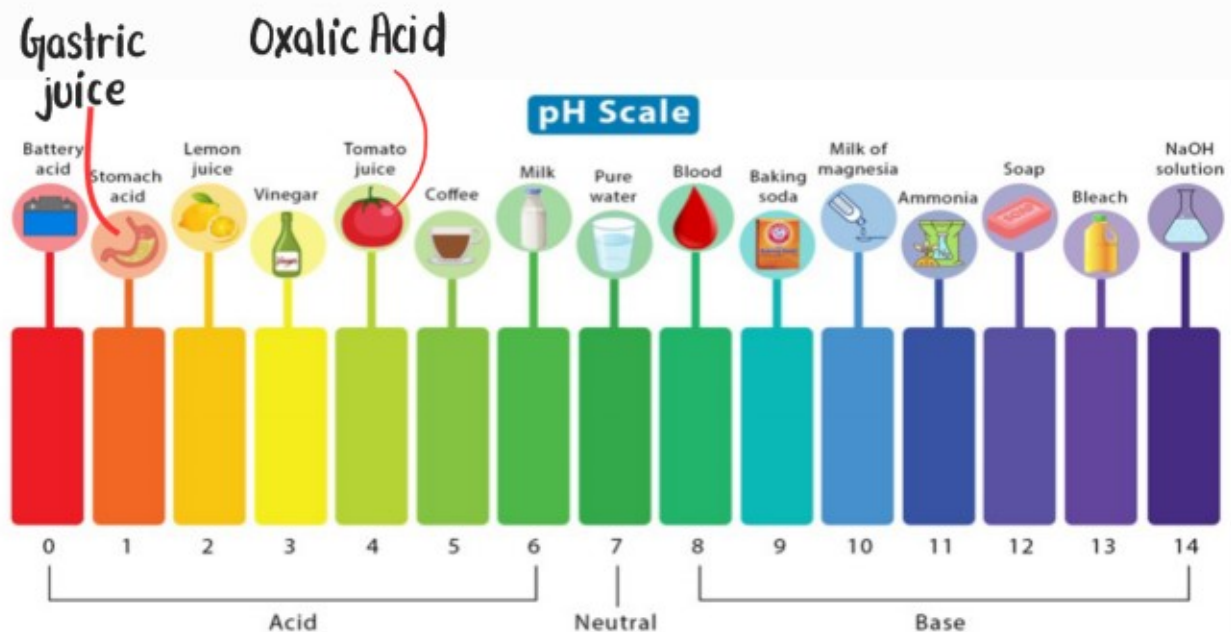
Acid Rain — < 5.6 pH

Urine — 4.8 pH

Milk of Magnesia (Antacid) —  $Mg(OH)_2$  — pH=10  
basic nature — Eg- Sodium Bicarbonate ( $NaHCO_3$ )

used in soda acid fire extinguisher & baking powder

Apple Juice — Maleic Acid | Curd — Lactic Acid



18

'Anup Rag Vilas' is a book written by which of the following musicians?

'अनूप राग विलास' निम्नलिखित में से किस संगीतकार द्वारा लिखी गई पुस्तक है?

1. Pandit Kumar Gandharva
2. Pandit Jasraj — Mewati Gharana
3. Pandit Birju Maharaj
4. Pandit Dinkar Kaikini

Original name- Shivaputra Siddharamayya Komkalimath  
No Gharana

Pt. Bhimsen Joshi - Kirana Gharana (UP)

19

Which of the following is a type of connective tissue?

- I. Blood
- II. Bone
- III. Ligament

1. Only III
2. Only II and III
3. I, II and III
4. Only I and III

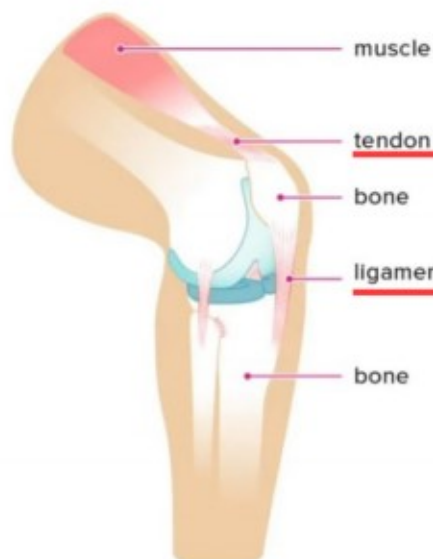
Cartilage - in ear, tip of nose, trachea

**Axolar** - Soft connective tissues

**Adipose** - fat storage tissues

has adipocytes

Specialised cells



M T B  
Muscle Tendon Bone

Bone to Bone



20

\_\_\_\_\_ diseases last for only shorter periods of time

\_\_\_\_\_ बीमारियाँ बहुत कम समय तक रहती हैं

1. Hereditary
2. Chronic
3. Acute
4. Genetic

1. आनुवंशिकता
2. दीर्घकालिक
3. तीव्र
4. आनुवंशिक

— for longer period Eg- TB, AIDS, Diabetes, Arthritis

One generation to another, Eg- Cancer, Asthma

**Mendelian disorders** - abnormalities in gene, Eg- Sickle cell anemia, Thalassemia, Haemophilia, Color Blindness

**Non-Mendelian disorders** - abnormality in chromosomes → **Autosomal chromosome** - 22 pair  
Downsyndrome (Trisomy 21)

**Sex Chromosome**

1 pair  $\left\{ \begin{array}{l} \text{XX (Female)} \rightarrow \text{XO (Turner Syndrome)} \\ \text{XY (Male)} \rightarrow \text{XYX (Klinefelter Syndrome)} \end{array} \right.$

Communicable diseases	Non-Communicable diseases
1. The microbial agents can move from one infected individual to another.	1. The microbial agents are not able to move from one infected person to another.
2. They can be transmitted by air (Eg. Common cold, pneumonia), water (Eg: cholera) and through vectors such as mosquitoes (Eg: Dengue)	2. They are not communicated by such means.
3. Person to person transmission is possible	4. Person to person transmission is not possible.

CA

Q. Who has been appointed as the 1<sup>st</sup> Woman Chairperson to Head the Railway Board ?

- a) Pramilita Devi
- b) Swati Nayak — Received Norman Borlaug Field Award
- c) Jaya Verma Sinha
- d) Sonakshi Sinha

CA

Q. Who has recently received the Sastra Ramanujan Prize ?

- a) Manish Desai — Head of Press Information Bureau (PIB)
- b) M. Rajeshwar Rao — Deputy Governor of RBI — tenure extended for 1 yr
- c) Ruixiang Zhang — China
- d) Xuan Zhang

second chinese traveller in India  
in the court of Harsha Vardhana

CA

Q. How many Gold Medals India Won in ISSF World Championship ?

- a) 6
- b) 7
- c) 8
- d) 9

Total- 14 medals

Host- Azerbaijan capital- Baku