

16-12-2022

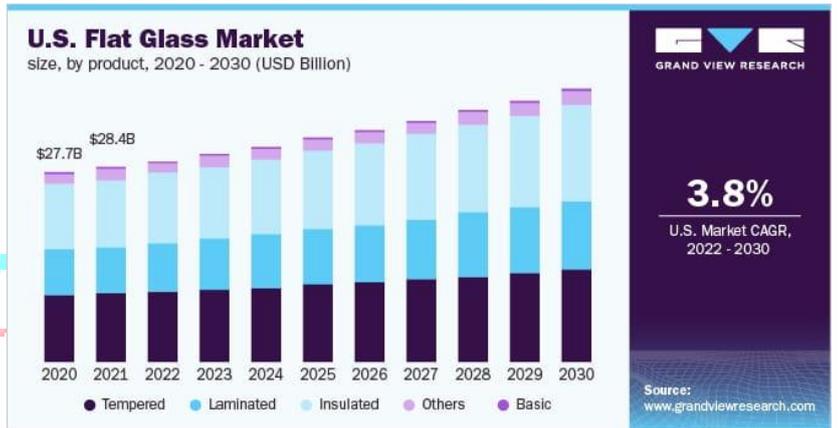
Glass Report 2022

Why in Newspapers?

World Health Organization (WHO) released the 'Global Antimicrobial Resistance and Use Surveillance System (GLASS) Report 2022' (5th edition), stating that more than 50% of life-threatening bacterial infections are becoming resistant to treatment.

Quick Issue?

- This means that the prospect of an untreatable disease brought about by **Antimicrobial Resistance (AMR)** that will devastate the human race is getting closer.
- The **5th Global Antimicrobial Resistance and Use Surveillance System (GLASS) report**, prepared in collaboration with member states, summarizes 2020 data on AMR rates in common bacteria by countries, regions and territories.



Historical Background?

- The report provides for the **first time 2020 data on antimicrobial consumption (AMC)** at the national level, as reported by 87 countries.
- It also presents an **assessment of AMR rates in relation to national test coverage**, AMR trends since 2017 and data on AMC in humans in 27 countries for the first time.

Global Glass Fiber Market 2023-2027

Market Size Outlook (USD Million)

2017: 11661.38

4.71%
Year-over-Year growth rate of 2023

4.93%
CAGR 2022-2027

ACCELERATING
Growth Momentum

USD 3894.34 Mn
Market size growth

CUSTOMER LANDSCAPE

- Drivers of price sensitivity
- Adoption lifecycle
- Importance in the customer purchase basket
- Adoption rates
- Key purchase criteria

Driver	Impact
Purchases are undifferentiated	🔒
Purchase is a key cost to the buyer	🔒
Quality is not important	🔒
Price Sensitivity	🔓

Key purchase criteria

- Innovation
- Price
- Quality
- Reliability
- Regulatory Compliance
- Service

Adoption lifecycle

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- According to reports, bacteria that frequently cause bloodstream infections in hospitals, such as *Klebsiella pneumoniae* and *Acinetobacter* spp, have high levels of resistance (more than 50%).
- These life-threatening infections require the use of **last-resort antibiotics such as carbapenems.**
- However, **8% of bloodstream infections associated with *Klebsiella pneumoniae*** were found to be resistant to carbapenems, increasing the risk of death.
- **More than 60% of *Neisseria gonorrhoeae* isolates**, a major sexually transmitted disease (STD), were resistant to ciprofloxacin, one of the most commonly used oral antibacterial.
- The most prevalent pathogen for **urinary tract infection (UTI), *Escherichia coli* (E. coli)**, had resistance to both first line drugs (ampicillin and co-trimoxazole) and second line therapy (fluoroquinolones) in more than 20% of isolates.
- Compared to rates in 2017, bloodstream infections caused by resistant *E. coli*, *Salmonella* spp, and gonorrhoea infections increased by at least 15%.
- Funding for water and sanitation decreased by 5.6% between 2017 and 2020 and saw a change in the geographic criteria of funding.
- In sub-Saharan Africa, the proportion of **WASH funding fell from 32% to 23%**, while Central and Southern Asia saw an increase from 12% to 20%, and East and South-East Asia from 11% to 20%.
- The **UN-Water Global Analysis and Assessment of Sanitation and Drinking-Water (GLAAS) 2022 report** compiles new data on drinking water, sanitation and hygiene (WASH) from **121 countries and territories and 23 External Support Agencies (ESAs) went.**
- It is the mid-term implementation of the **United Nations Decade (2018-2028) (UN 2023 Water Conference)** for action on water and sanitation to inform commitments, prioritization and actions during the second half of the 2030 Agenda for Sustainable

Other Key Facts?

WASH

- WASH is the **short form of 'Water, Sanitation and Hygiene'**. These areas are interrelated.
- The **WASH strategy** of the World Health Organization has been developed in response to the Member State Resolution (WHA 64.4) and **Sustainable Development Goal-3 (Good health and well-being)** and Sustainable Development Goal-6 (Clean water and sanitation).
- It is a component of **WHO's 13th General Program of Work 2019-2023** which aims to contribute to health coverage of three billion people through multi-sectoral actions such as improved emergency preparedness and response and one billion people through **Universal Health Coverage (UHC)** To do.
- It also emphasizes the progressiveness of human rights such as safe drinking water and sanitation, adopted by the **United Nations General Assembly in July 2010.**



Development, but the convention serves as a global reference for 2023 for a comprehensive review.

- The report also highlights **opportunities to accelerate progress in key WASH areas** that positively impact the quality and sustainability and delivery of WASH services, pandemic preparedness and climate change resilience.
- **Human resources: Less than a third of countries reported maintaining adequate human resources to manage essential water and sanitation (WASH)-related functions.**
- **National Targets:- 45% of countries are on track to meet their drinking water targets**, but so far only 25% are able to meet their sanitation targets. More urgency is needed to achieve national targets.
- **Finances:** - Although some countries have increased their WASH budgets - more than 75% of them reported insufficient resources to meet WASH-related plans and objectives.

Expected Questions for Preliminary Exam

Que. Which organization released the 5th edition of the 'Global Antimicrobial Resistance and Use Surveillance System (GLASS) Report 2022', in which the major finding is that more than 50% of life-threatening bacterial infections are becoming resistant to treatment?

- | | |
|-------------------------------|---|
| (a) World Bank | (b) United Nations Human Settlement Program |
| (c) World Health Organization | (c) United Nations Children's Fund |

Answer—(c) World Health Organization

INDORE

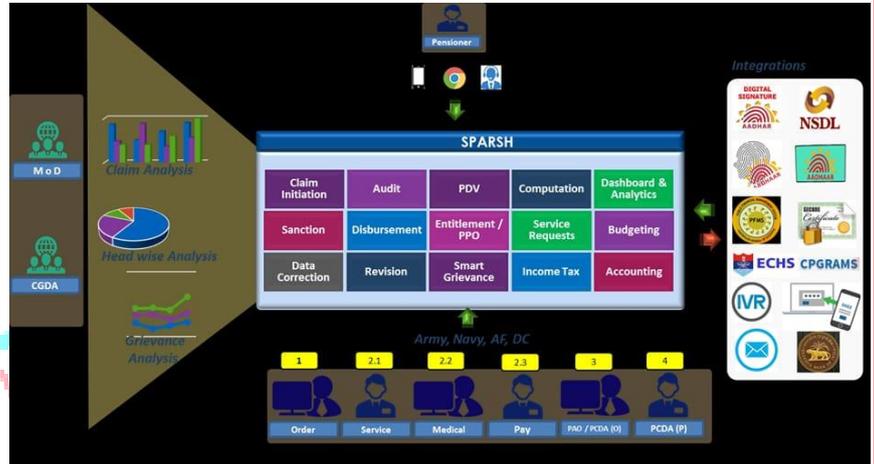
SPARSH (System for Pension Administration (Raksha))

Why in Newspapers?

Defense Secretary Shri Giridhar Aramane has urged the stakeholders to make the System for Pension Administration Defense (SPARSH), the **one stop solution for all pension related activities of Defense Pensioners**, operated by the Defense Accounts Department, to be made more user friendly.

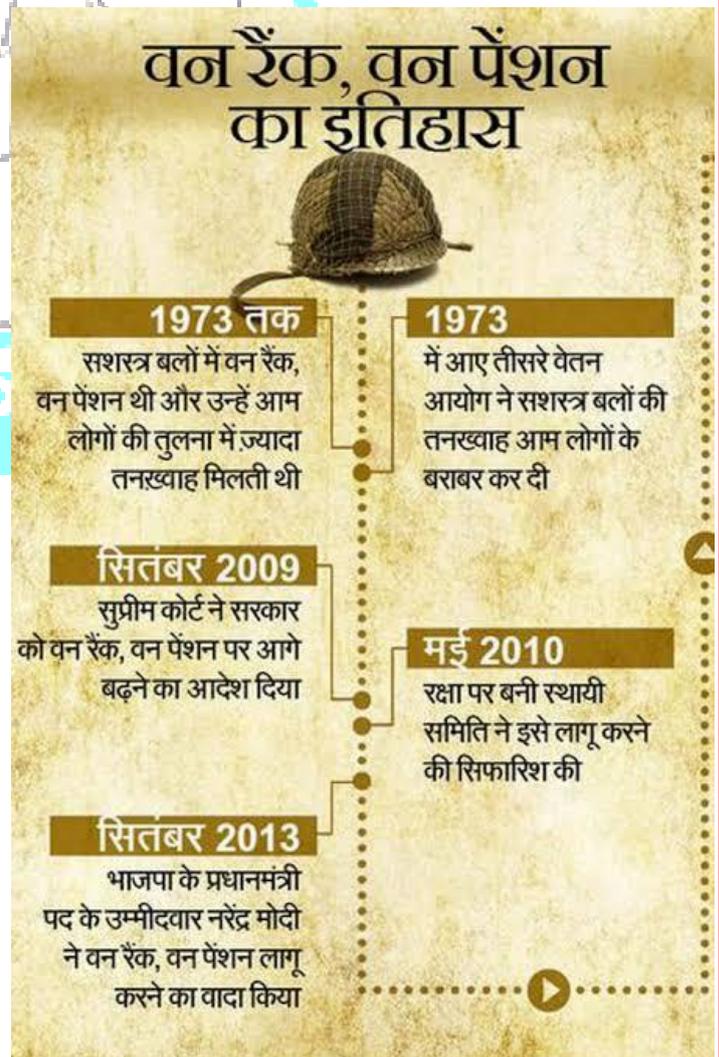
Quick Issue?

- Appreciating the Defence Accounts Department for implementing the ambitious Project Sparsh aimed at streamlining the entire pension system, the Defence Secretary stressed the need to make the system intuitively user-friendly and provide handholding services to Defence pensioners in the onboarding process. suggested.



Historical Background?

- Defence Secretary inaugurated **one touch Seva Kendra at Delhi Cantonment**, which offers various services like Service Request & Grievance Redressal, **Annual Life Verification, Pensioner Data Verification (PDV), Aadhaar Number, PAN Number, Postal Address, Bank Manages profile changes etc.** including details on which various documents like Pension Payment Order (PPO), Corrigendum PPO, Pension Slip Form can be viewed and accessed.
- The department also signed **Memorandum of Understanding (MoU)** with six banks, namely- Indian Postal Payment Bank, Union Bank of India, Axis Bank Ltd., ICICI Bank Ltd., Bandhan Bank and Equites Small Financial Bank Ltd.
- Defence Accounts Department organized the **176th Defence Pension Samadhan**



Yojana, an outreach program for pensioners on SPARSH [System for Defence Pension Administration].

- The **Defence Accounts Department is the nodal implementing agency for the SPARSH project**, which takes a **'Whole of Government approach'** and integrates over 3000 pension originating, sanctioning and disbursing agencies.
- This integrated system provides pension services ranging from digital process of pensioner verification to real time tracking to grievance redressal at the doorstep of ex-servicemen.
- **One Rank One Pension (OROP) scheme** also provides for **payment of equal pension to military officers of equal rank for equal length of service** (irrespective of the date of retirement).
- It is an **integrated system for automation of sanction** and disbursement of defence pension. This web-based system processes pension claims and credits pension directly to the bank accounts of defence pensioners without relying on any external intermediary.
- A pensioner portal is available for pensioners to view their pension related information, access services and lodge complaints (if any).
- **Sparsh envisages setting up of Seva Kendras to provide last point connectivity to pensioners** who may be unable to access the Sparsh portal directly.
- Sparsh has been designed keeping Defense Pensioners at the center, who will be provided with completely transparent information about their pension account through an online portal.
- It provides pensioners the option of using efficient services for speedy processing of their requests and signing of declarations, making their experience truly paperless and hassle free.
- It maintains a **complete history of pensioner's events and entitlements from the date of commencement of pension till the date of termination of pension** payable to the last eligible beneficiary.

Other Key Facts?

One Rank One Pension (OROP) Policy

- 'One Rank, One Pension' (OROP) means that armed forces personnel retiring in the same rank and with the same length of service irrespective of the date of retirement will be given the same pension.
- Before 'One Rank, One Pension', ex-servicemen got pension as per the recommendations of the Pay Commission.
- Uttar Pradesh and Punjab have the largest number of OROP beneficiaries.
- Armed forces personnel, who had retired till June 30, 2014, are covered under this.
- The implementation of the scheme was based on the recommendation of the Koshyari Committee, a 10-member all-party parliamentary panel constituted under the chairmanship of Bhagat Singh Koshyari.



Expected Questions for Preliminary Exam

Que. 'Sparsh' is an initiative of which Union Ministry?

- (a) Ministry of Home Affairs (b) Ministry of Environment
(c) Ministry of Defence (d) Ministry of Finance

Answer: (c) Ministry of Defence

