DEDICATED MONTHLY MAGAZINE
FOR UPSC ASPIRANTS

HINDU NOTES + PIB + PRS
DATE WISE & SYLLABUS WISE

JUNE 2017 Part 1 (till JUNE 30)
UPDATED FULL VERSION
PART 1 & PART 2

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G.S.-02

**Cow and constitution**
- Prohibition of cruelty towards animal passed in 1960 give a welfare approach towards animal also.
- Ban on slaughter as a gandhian principle added to directive principle of state policy (DPSP) with state having power to ban slaughter house.
- Animal welfare is concurrent subject which means state and center; both can frame law on that particular subject.
- This cow protection point also make discussion in constitution as religious or fundamental right.

**The security of Afghanistan**
- Peace in Afghanistan is becoming a difficult thing with ongoing transborder terror financing.
- Multiple stack holder wants to control this territory.
- Afghanistan being good partner of the india which means we have sound interest in Afghanistan.
- Regional group established in Istanbul called heart of asia conference that wants to build partnership among neighbor to spread peace in Afghanistan.
- Last meeting of this was organized in Amritsar

G.S.-03

**Kalavari submarine**
- It is scorpion type of the submarine.
- This submarine built with the support from France.
- Kalavari means deep ocean tiger shark.
- This deal with france include total six submarine one of them is khandari that will start dive from June 1, 2017.
- Khandari named after an island fort of shivaji the ruler of Maratha kingdom.

**Indian economy is no more fastest growing economy**
- According to recent report data show that indian economy is no more fastest economy of the world because of after effect of demonetization economic growth of every sector giving negative sign.
**G.S.-01**

*Beti Bachao Beti Padhao*

- This scheme started by the government to reform sex ratio as population data showing a negative pace.
- This scheme come under ministry of women and child welfare.
- Major objective of this scheme is to prevent infanticide, protect and educate girl child.
- This scheme to be implemented through task force of the district level.
- District to be selected as per population data that district have lower ratio of the female.

**G.S.-02**

*Atal pension yojna*

- It is one of the social security scheme in which every person between 18 to 40 can subscribe.
- After age of 60 person they will get pension as per fund has been invested.
- It is special scheme for the person working in informal sector.
- It is new version of the swabhiman scheme.
- Under this scheme central government will also provide 50% of the fund.
- This scheme managed by the provident fund regulatory authority of india.
**International court of justice**
- It is one of the global court to solve the issue of conflict between countries.
- Headquarter of this institution is at Hague.
- This institute work in the group of UN countries.
- Russia recently quit this platform.
- All the UN member is automatically parties to this platform and this court have only advisory role.

**National human right commission**
- It is statutory body that consist of chairman and four other members.
- Chairman should be retired chief judge of supreme court.
- This commission can take suo motto action in breach of human right.
- This commission also work as civil court and fine on guilty person.

G.S.-03

**Gravitational wave**
- Project LIGO has been started to study the nature of gravitational wave that passes through space.
- This wave has special pattern and nature that was first proved by Einstein.
- According to Einstein gravitational wave have special pattern or way that can not be dispersed as light wave.

**Zika virus**
- It is a viral infection transmitted by the bite of an infected Aedes mosquito, which is also the carrier of dengue and chikungunya viruses.
- Zika has mild effects for most people but doctors believe infection during pregnancy can result in babies with small heads, which is known as microcephaly, and other serious developmental disorders.
- Roughly 2.6 billion people could be at risk of zika and india first cases come into light form Gujarat recently.
Paris deal
- Paris deal in climate change and pollution control has been signed as a part of conference of parties
- This deal have no compulsory component means every country have to submit INDC pledge that is voluntary contribution of every country
- America want to quit this deal as there are more pressure on industrialized or developed country.

Disaster management in eastern coast
- Indian eastern coast also known as uttar ssarkar coast is vulnerable area to both cyclone and tsunami
- This both combined effect of event led to biggest loss of human lives
- Most important step that to be taken in this area is prevention of disaster otherwise mitigation of effect because cyclone clearly can be forecasted
- Government also should prepare draft plan for the disaster management with help of this state
- Worlds 16 % of the cyclone come in this area specially in may or November or December
- Micro level planning and preparedness to be done like people awareness and land use planning

Worlds poor child
- According to recent report of the oxford survey there are 50 % of the poor children of world are in india
- This poverty compiled with multi dimensional approach means person have multi reason for being poor like weak health, lower income, lower skill.
- Poverty to children means lees calory food > less nutrition > less capability > less earning > poverty cycle continue
- Another aspect poverty means less sanitation > more health hazard > more health expenditure
- Poverty means children have to do child labour > absent in school > no education means no skill or value addition
**Prithvi-II Missile [pib]**

- Surface to air missile developed by defense research and development organization
- This version of missile also capable to complete nuclear weapons also
- This is short to medium range missile that will help in targeted attack and add strength in indian warfare

**Erosion by river water In northern plain**

- Northern river system featured by perennial river with lot of water
- Also this water having downward slope In flow that tend to more kinetic energy in river water
- Plus the area of northern belt made up of silt and sedimentary rocks which melt down in water and create mud flow or mass erosion
- This is very harmful to local as river can swallow whole village in very short span of time.
- Government should mark area of high mud floe vulnerability and
should take appropriate step

- Farming system also to be modernize to adopt natural protection against erosion like counter binding, terrace farming in hill area, mixed farming and inter cropping, rationale use of irrigation facility etc.

G.S.-02

**Central water commission**

- This commission constituted for the better distribution and utilization of the water resources
- Central water commission give advice in matter of ecological flow of the river water and optimum utilization of the water
- This commission also try to solve the issue of the water river distribution by mutual interest
- Also examine the effect of developmental activity on river water and can take punitive measure

**Atal pension yojna**

- This is one of the social security and welfare scheme for the old age person
- This scheme is part of old national pension scheme
- Under this scheme person can get monthly pension after 60 year of age depending on their contribution
- Any person between age of 18 to 40 can join it but informal sector worker is primary target
- Government also contribution same amount as person can
- This scheme is being managed by pension fund regulatory and development authority of india that is statutory body

G.S.-03

**Project tiger**

- This project has been started after rapid decline in the population of tiger because of unlimited hunting and habitat loss
- Government started dedicated project in the name of project tiger in 1970 decade
- This project implemented by statutory body called national tiger conservation authority [NTCA]
- This authority dedicate special area to tiger conservation called tiger reserve that have core and buffer area and come un protected area network
Pollution level in city

- Every Indian city facing problem of the pollution be it air, water or soil pollution
- Primary reason for this pollution is non-regulated or uncontrolled growth of the industry
- Lack of planning in city that led to unbalanced use of resources and congested life having machinery mind of people
- So all of this problem occur due to men wish to be rich and happy but this selfishness ultimately led to zero happiness for the person

CSIR

- Council of scientific and industrial research is the full name of scientific research institute
- This is premier institute in scientific research and innovation in industry
- This industry also give prestigious award of science that is shantiswarup bhatnagar award

G.S.-02

Maha farm crisis

- Problem of agriculture have root in colonial system but solely complaint about it is to make free independent government
- Because India got independence before 60 year of welfare state
- To solve this all agrarian crisis we have to understand some basic or fundamental idea
- Here need is sympathy, ethical public administration, impartiality, transparency, openness in administration, etc.
- Cultivation with commercial purpose only is dangerous thing because in India agriculture means livelihood plus culture of people

G.S.-03

The case aftershock of demonetization

- The economic trend of the development show abnormal dipping after demonetization beyond the limit of expectation
- This is multiplier impact of real estate, agriculture etc.
- In this situation now India is not fastest growing economy
- RBI now most focusing on work to control inflation and targeting inflation
- So RBI should focus on the work of creative inflation management and give some flexibility to inflation is needed
**Fat boy in space**

- Indian space research organization have launched GSLV Mk-III with highest satellite
- GSAT-19 has been launched as one of the communication satellite
- This satellite use cryogenic technology that is oxygen and hydrogen used in liquid form with ultra low temperature that called cryogenic stage
- This satellite placed into geosynchronous transfer orbit [GTO]
- Perigee is closest point to earth and apogee is farthest

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**Nilgiri tahr**

- It is one kind of deer that species found in western Ghats area and brother species of Himalayan tahr also found in Himalayan area
- Nilgiri tahr need special topography of steep slope in higher elevation of western Ghats
- Nilgiri tahr registered under wildlife protection and red data book as endangered animal
G.S.-02

**INSV TARINI**

- It is Indian Navy's first vessel having all the staff are women.
- Major aim of this vessel is to promote young ladies to take adventure
- This will attract girls to have career in Indian Navy and also show social and economic potential of women in India

G.S.-03

**IMD on long period average**

- IMD given another sign of good monsoon in India
- Monsoon good or bad decided on the base of long period average [LPA]
- Long period average is the rainfall historical record of last 50 years
- Indian monsoon affected by El Niño and Indian Ocean Dipole most
- Sudden burst of monsoon is due to set up of low pressure on Tibet Plautus and south easterly jet stream

**Some measure for farmer welfare**

- Government have taken following action on agriculture and farmer welfare
- Soil health card is one of the core project of this government to acknowledge the chemical and organic composition of soil to farmer
- By this way farmer can utilize his/her farmer better way to get sustainable production
- Pradhan mantri fasal bima yojna has been started as part of social and economic security to farmer in the time of disaster of any climatic accident in addition to this premium rate also reduced, some other disaster like harvest loss also included, and more technology has been used to get real picture of the loss
- Parampragat krishi vikas yojna has been started with aim to maximize area under organic cultivation, in this farming minimum chemical and pesticide component being used
- E- Nam is pan India market infrastructure with using digital network to give farmer true and fair price of their produce
- Per drop more crop is irrigation enhancement program to make sustainable and optimum use of precious water resources
- Blue revolution step has been initiated for more marine sector development and assistance has been provided for deep ocean fish cultivation under this initiative
**ISRO heavy launching**
- By launching GSAT 19 one of the communication satellite with the help of GSLV MK 3 launcher now ISRO enter in premium club heavy launching mission
- This satellite was set up in geo synchronous orbit
- Recently ISRO has launched GSAT 9 one of the SAARC satellite
- This mission have use cryogenic technology in which hydrogen and oxygen being used at ultra low temperature

**GST network and implementation**
- GST being based on one tax one nation tax theory that based on consumption
- There is central, state and concurrent GST network
- Required state have passed that law and now time to form tax network that to be work solely on digital network to bring openness and transparency
- GSTN named not for profit and non governmental organization has been set up with private bank and government as stake holder
- This organization will provide network base for this taxation system

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**JUNE 8 2017**

**G.S.-02**

- **Election of president**
  - Election commission of india look after the matter of president election
  - Electoral college of president comprise of elected member of parliament, state legislative assembly and legislative assembly of
Delhi and Pondicherry
- Nominated member do not participate in election
- According to rule of election no party can give whip to its MP or MLA regarding voting in election

G.S.-03

**WHO revises antibiotic category**
- World health organization divided antibiotic in three category that is access, watch and reserve
- Commonly usable antibiotic come under list of access category
- Some other minor danger drug to be come under watch category while reserved type of drug only to be used as last resort
- Multi drug resistance type of anti biotic to be used in rare cases as last resort under special supervision

**RBI hold its rate**
- In monetary policy meeting RBI chose to hold its rate steady in spite of major set back in economy after demonetization
- This hold of rate show that RBI want first stability in economic situation and then growth will follow because to revive peoples faith we need stability in economy
- RBI major duty now is to have inflation targeting and formulate monetary policy with the help of monetary policy committee comprise of governor and deputy governor with some finance ministry officer
- The idea of monetary policy committee and inflation targeting as prime aim was given by committee headed by then RBI deputy governor urjit patel

**Diabetes**
- This disease spreading with full speed in india due to life style change
- It is also one of the disease that spread by generation also
- There are two type of diabetes prevalent in world that is type 1 & 2
- In first type there is higher glucose in body while in second type lack of insulin
- Glucose and insulin both are important to sustain function of the body
- So prevention of diabetes can be done with help of good and fit life style with physical work or balanced diet
- According to recent report india and china have more than 70 % of the world diabetes patient
**G.S.-01**

**Tradition of r ringan**
- Its a horse riding and traveling festival form Maharashtra.
- Saint dnyaneshwar has been opposed by some peoples group and he went to another city.
- From that day in the mark of this migration people go to horse riding tour as one of cultural event.

**G.S.-02**

☞ **Farmer distress**
- Distress of farmer is the result of government policy and climate change problem
- Britain colonialism led to commercialism of agriculture and now art o living become reason for distress
- Problem start form land reform to crop pattern and technology use to credit services.... Ultimate problem is marketing system
- Government have taken lot of step to make it better performing but problem start again with faulty implementation system and lack of cooperation with farmer
- Root of problem go deep to suicide of farmer that means livelihood earning become life taking game

**G.S.-03**

☞ **Oxytocin**
- Oxytocin is one drug that nowadays used by dairy owner and farmer to make milk and vegetable fresher
- This chemical compound also can trigger major physiological and psychological disease
- This chemical has been banned by indian government in the name of harmful effect in milk animal and human kind

☞ **Getting economy on the track**
- After demonetization the track of economy changing with unique way
- After demonetization three major unique thing happen in indian economy first is positive growth rate of agriculture and public administration
- Second thing is that negative trend of development showed from starting of year not form demonetization so we can to blame demonetization solely
- Major set back seen in hotel, construction sector
• NPA is like no solution or zero solution problem so we have to think about innovative and unique approach

bold **China Pakistan economic corridor**

- This is one of the infrastructure development plan of china under one belt one road initiative
- This project start form china to gwader port in Pakistan
- This initiative pass from Pakistan occupied Kashmir so india opposed to join it
- India has developed chabahar port as sister port to gwader to reach Afghanistan and Iran

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**JUNE 10 2017**

**G.S.-01**

bold **Numismatics**

- It is the study of old and historic coin.
- It is science of study of old and historic coin like Indus valley and gupta, kushan, shak etc.
- Old coinage now have no economic or monetary value but have intrinsic cultural value

**G.S.-02**

bold **Shanghai cooperation organization**

- Shanghai cooperation council is the regional grouping for socio economic development and terror fighting and security purpose
- China and Russia both are fundamental member while india and Pakistan is observer country
- Now india and Pakistan both are member country to this group

**G.S.-03**

bold **GST and indian economy**

- GST is based on one nation ne nation theory to make india financial and economic strength
- This is consumption based tax will levied on the base of nature of good or service
- Goods and service tax rate will be decided by GST council that include union finance minister and state finance minister
- Tax base and tax amount will be increased that will provide much stability and economic power to country
G.S.-01

- **Real meaning of nation**
  - In simple term we can say that nation is the group of people bound by sociological and cultural bond
  - In reality nation is term in conversion because nation is dynamic toward development it goes to develop more and more
  - Thus nation means changing relation between group of people from past, present to future
  - Digital age have different unique characteristics of nation like social media also become platform for social and cultural revolution
**G.S.-02**

- **SATH program by NITI aayog**
  - This is education and health improvement program of NITI aayog
  - Full form of this program is sustainable action for transforming human capital
  - Under this program state government will be provided guidance to make demographic dividend more useful.

**UDAN**

- Ude desh ka aam nagrik is the short form of government aviation sector scheme aim to accessible and affordable air transport
- This scheme will provide air connectivity to minor center with fair prices like 2500/- hourly rate
- Aviation company who take part in this scheme will also get viability gap funding that will created from another profit led route
- Every plane under this scheme have 50 reserved seat for this scheme

**G.S.-03**

- **Extreme heat wave condition**
  - Heat wave generally defined by IMD as increase in surface temperature of plain by 45 C degree
  - While hill area and coastal area have different parameter for heat wave
  - Data of recent year show that minor difference in temperature led to death of lots of people
  - IMD forecast for the heat wave condition but real problem lies with lack of awareness among people

- **Carbon sequestration**
  - This is process by which carbon is trapped and stored in physical or chemical form
  - Like tree and ocean phytoplankton take carbon with inhaling and store it
  - This storing help carbon balance by natural way and ocean is the biggest carbon storage

- **GSLV MK 3**
  - ISRO have successfully launched GSLV MK 3 as one of the heaviest satellite till date
  - This mission include GSAT 19 one of the messenger satellite
  - This mission completed using cryogenic technology to boost speed
and efficiency this technology literally meaning very cold, under this technology gas of nitrogen and hydrogen used with ultra low temperature
• This satellite set up in geosynchronous transfer orbit.

➤ GSTN
• Goods and service tax is one nation one tax theory based tax system to bring uniformity in tax system
• This tax system will work totally on digital platform so goods and service tax network has been established
• This is not for profit organization owned by private sector financial institute
• This organization will provide digital infrastructure for GST

JUNE 12 2017

G.S.-01
• Climate change and effect on rainfall
  ➤ Climate change majorly related with higher temperature that lead to intense evaporation and extreme rainfall event
  ➤ NASA study show that amount of rainfall will increase in tropics as earth will become more warmer
  ➤ More heat > more evaporation > more cloud > heat trapping > more precipitation

G.S.-03
➤ GST council on rate decision
• GST passed by parliament and also cleared by various state assembly now will take real form
• Decision of GST management will be taken by GST council one of the constitutional body consist of union finance minister as chairman and state finance minister as member
• GST will work totally on digital platform which managed by goods and service tax network [GSTN] one of non government and non for profit organization

<<Marine ecosystem>>
• Marine ecosystem badly affected from industrialization because of unregulated fishing practices combine with international trade
• Unsustainable fishing and marine transport is major reason for deteriorated marine resources in some part
• Local people should given enough chances to make use of traditional fishing practices to conserve ecosystem
• Like in kerala fishing and rice cultivation being done in same water field
• Government should form regulation with the help of international cooperation because oceanic ecosystem affected by every country and from every country
• Oil spill, ocean acidification, over fishing, coastal construction, river water pollution etc.

<<Universal basic income>>
• This idea led to equal income guarantee for everyone
• Universal basic income idea also supported by mahatma gandhi to have basic requirement for poor people
• This idea also make space European country but rejected by people now in india this idea under debate
• India can no implement this idea because of fiscal resources, inequality and identification of poor people, duplication of effort because wealthy person got income from their taxes already paid, how much income decision tough task etc.
**Effect of monsoon on Indian economy**

IMD forecasted normal monsoon this year means rain will be 96% long period average with 4 +/- fluctuation.

Long period average means average rain of last 50 years that is 89 CM.

Monsoon is the lifeblood for the Indian economy because of dependence on agriculture monsoon.

Monsoon acts like lifeblood for agriculture which includes half of the population directly or indirectly.

Good monsoon means > good production > good income > good demand in the economy and overall vibrant economy.

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**G.S.-02**

**Atal pension yojna [pib]**

One of the social security scheme for old age pension.

Under this scheme any person with age 18 to 40 participate and contribute.

Government also contribute same amount as person do.

This scheme managed by pension fund regulatory and development authority.

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**G.S.-03**

**APEDA [pib]**

Agricultural and Processed Food Products Export Development Authority popularly known as APEDA.

It is an apex body of the Ministry of Commerce, Government of India, to promote the export of agricultural commodities and processed food products.

APEDA links Indian exporters to global markets besides providing comprehensive export oriented services.

APEDA provides referral services and suggest suitable partners for joint ventures.

APEDA’s export basket ranges from typically Indian ethnic products like pickles, chutneys, sauces, curries etc. to rice, honey, fresh and processed fruits and vegetables, beverages, guar gum, poultry, livestock products, confectionery, cut flowers, food grains, aromatic plants and other Indian delicacies.
**Step to avoid drowning at beach in monsoon**
- Beach is the place for joy and fun but in monsoon season Indian ocean have unique mood and current
- This current led to major drowning incident so traveler and local people should mind following guide

<table>
<thead>
<tr>
<th>Stay safe this monsoon</th>
</tr>
</thead>
<tbody>
<tr>
<td>Keep a close eye on children on the beach, do not let them swim unattended</td>
</tr>
<tr>
<td>Red and yellow flags indicate no-swim zones</td>
</tr>
<tr>
<td>Stay 10 meters away from the waterline</td>
</tr>
<tr>
<td>Do not venture into the sea between 12 and 4 p.m.</td>
</tr>
<tr>
<td>Avoid secluded beaches that do not have lifeguards</td>
</tr>
<tr>
<td>Do not swim in the sea in case of lightning and thunder</td>
</tr>
</tbody>
</table>

**Price mechanism for agriculture product**
- We must found sustainable solution for agricultural problem of price declaration
- Loan waiver is not sustainable step because it last for only year or two and also have negative impact on government revenue and fiscal position
- So we should think of some unique idea of economic empowerment of farmer so weather they don’t have to take loan or make them enough capable to repayment
- Loan waiver plan also have side effect of inflationary problem
- APMC should amend and farmer have freedom to sell their produce at any time at any place
- E-NAM mission should be completed and implemented in time limit

**Agricultural distress**
- Agricultural passing from its critical stage with farmer have to bear from every site though movement of agricultural not going as per need with leaderless trend
- Indian agricultural crisis become political playground and have short life so this problem can not be solved permanently
- Agricultural facing problem due to price crash, poor marketing facilities, rising credit burden, increasing cost of inputs and frequent occurrence of natural calamities.
• Minimum support price idea have not work because of inefficiency of administration and farmer have no idea about it

**Taking solar potential**

- Solar and wind energy also called future energy now making its place in energy contribution of world level
- Solar alliance promoted by France and India also called international solar alliance
- This solar alliance have member country with more than 300 solar day and maximum member from tropical area
- This member will cooperate in finance and technology to develop solar power potential
- Headquarter of this initiative stated in Gurugram India

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**JUNE 14 2017**

G.S.-02

- **Agricultural crisis**
  - Technological and institutional reform led to higher production > low price of farm produce
  - Agricultural crisis led to farmer quit farm practices their son and daughter now not ready to accept farming as livelihood option
  - Rural to urban migration going on and congestion and other problem in city are result of it
  - So we have to find out speedy though sustainable solution of problem
  - We have still struck in green revolution but long term effect on society, economy and ecology prove that green revolution never been green
  - Major farm crisis related with water table and water quality crisis because of that farm produce decrease while for reviving farm they have to take high rate loan from informal sources .
  - Sustainable solution for this problem will be

**utilization of soil health card framework for technical agriculture**

- management of surface and ground water on the base of community effort
- other optional farming system like horticulture, truck farming
- investment in agro processing with rural small base plan to provide
rural base employment

- farmer should have formal access of credit and insurance
- strong farmer produce organization village based

G.S.-03

- **NAVIC constellation**
  - Navigation indian constellation is full form of indigenous navigation system of india
  - It is indian own GPS system that launched last year having more than 1500 KM range in indian periphery country
  - This mechanism of constellation stopped working due to some technical problem
  - This constellation include seven satellite have capability to navigate in neighbor country
  - Satellite set up in geo stationary and geo synchronize orbit
  - Navigation system successful of l working need accurate timing so rubidium clock fitted with but this instrument now not working properly
  - The applications of IRNSS are: terrestrial, aerial and marine navigation, vehicle tracking and fleet management, terrestrial navigation for hikers and travelers, disaster management, integration with mobile phones, mapping and geodetic data capture and visual and voice navigation for drivers.

- **ATGM Nag [pib]**
  - The Anti-Tank Guided Missile Nag was successfully flight by DRDO
  - The Fire and Forget 3rd generation ATGM Nag is incorporated with many advanced technologies including the Imaging Infrared Radar (IIR) Seeker with integrated avionics, a capability which is possessed by few nations in the world.
  - The capabilities of the top attack ATGM Nag is unique in nature
  - This missile launch become helpful to make indian strong in the sense of security issue

**G.S.-01**

- **Temple architecture**
  - In indian history gupta period called golden period of temple architecture while in south india chola temple construction have climax of architecture
  - There are mainly three style of temple architecture that is nagar,
vesar and dravid

- Panchayatan is one of sub style or form of temple architecture in which main shrine constructed with other four shrine
- Hoysala dynasty also given notable contribution in temple construction in which venkateshwar temple have much importance due to climax of system like viman and gopuram

G.S.-02

- **Crop loan interest subvention**
- Recent time agricultural crisis due to commercialization of agriculture
- Deep agriculture crisis need sustainable and environmental friend solution
- Farmer approaching to violence way and blocking highway that not good for overall economy so public administration should work always with preventive step to any problem
- Now government taking step of loan waiving that not economical and sustainable way because this will make money supply and fiscal position unstable
- NABARD is exclusive institute to work toward financial and technical support to agriculture but NABARD never give direct loan to farmer

**Contempt power to election commission**

- Election commission is constitutional body under article 324 for the election of parliament, president, vice president and state assembly
- Election commission have one chief election commissioner with two other commissioner having same power
- Main duty of election commission are prepare electoral roll, plan for election and held election and also resolve dispute
- Now election commission want contempt power for itself after being commented by various section on tampering of EVM
- Now judiciary have contempt power so giving this power to election commission need amendment

G.S.-03

- **GST implementation**
- Central government plan to implement GST by 1 july 2017
- But major problem coming from various level is preparedness of governance and business structure also
- Government announced GSTN to be structural body to manage GST tax system
• At this stage people doesn’t have much understanding about this system so government should have to start some public awareness program to make GST familiar

Ecosystem of Thar desert
• Thar is one of the local name for the sub tropical desert situated in india – Pakistan border
• This desert present some of the extreme hot climate though home for some endangered and endemic species like bustard, deer, snake, indian wild ass, black buck etc.
• Bishnoi community of rajasthan known for voluntary cmonity led ecosystem conservation effort and for that government also started amrutadevi bishnoi award

Wholesale Price in India
• Wholesale price index give idea about product price in wholesale market and also we can compare it with CPI to find value addition and cost of transaction
• This index published by CSO with base year of 2011-12
• Recently CSO introduced composite food index give idea about basic necessity of human that is food

Ease of doing business
• Ease of doing business report published by world bank with provision of smooth running of business in country
• Higher ranking depend on government and local public support in development of start up or venture of any entrepreneur

Microorganism degradation in strait of bosphorus
• Strait of bosphorus lies between asia and Europe continent when turkeys biggest city Istanbul located
• There is sudden change in microorganism color of phytoplankton
• Water color has been changed from blue to milk turquoise
• This color change also accompanied by sharper smell that is actually caused by ehux
• This ehux is single cell microorganism  boon for black sea because it provide base for marine food chain

JUNE 16 2017

G.S.-02

Process of removal of judges
• Process to remove judges of high court and supreme court has been given in constitution called process of impeachment
• Process start with proposal by at least 50 MP with reason of
misbehavior or incapacity
- Then judge given notice and process start with inquiry committee by supreme court and high court judges
- If inquiry report come with positive evidence then house pass motion and if accepted then judge become impeach from that particular date
- Till today no judge has been impeached

Convention on child welfare and protection
- India adopted move of the international labor organization to save child from child labor
- This convention give guideline on child labor, age of work and condition of work also
- New law prohibit child labor and if have household work then there is also limit like three hour only after school
- This convention is legally bound on member state

G.S.-03

GM mustard
- Genetically modified crops means crops having different gene that can help to fight and survive plant against unfavorable condition
- This new variety of mustard named dhara hybrid mustard developed by team of Delhi university
- Genetic engineering appraisal committee is apex body to give permission to GM crop to be produced on commercial base
- After that approval of environment ministry also required and ministry till today not given approval

JUNE 17 2017

G.S.-02

Pondicherry status
- Pondicherry is one of the union territory having special status
- Under constitution Pondicherry given special status with regard to legislative assembly to territory
- Delhi also have this category under this lieutenant governor appointed by president which have more real power than governor of any state

Atal Pension Yojna (APY) [PIB]
- It is one of the social security scheme in line with swalamban program
- This program managed by provident fund regulatory and
Any person between age 18 to 40 can subscribe but major target is unorganized sector person

G.S.-03

**Loan waiver and fiscal discipline problem**
- Loan waiver demand now become epidemic for nation growth as well as farmer welfare because this short term solution have dangerous effect on nation economic development
- According to 14th finance commission report state government have more fiscal deficit than central government [when state governments deficit increase due to capital investment than that amount less from total and that called effective deficit ]
- UDAY scheme also have already leave footprint on state fiscal discipline as state also have to bear 75 % of debt of DISCOM
- Government should give enough and supplementary financial resources to state government
- To solve problem of fiscal deficit there shall be provision in constitution about confidence vote government break fiscal deficit target

**Zika virus**
- Zika virus spread through mosquito have severe effect on human kind .
- This virus related with microcephaly & spread through aedes aegypti that also cause dengue and chikanguniya
- Recently Zika cases found in Ahmadabad
- World health organization make in india second category vulnerable country to Zika virus

**Photosynthesis to save heart**
- Scientist recently use photosynthesis technology to treat cardiac disease
- According to recent report green algae put in heart and enough light has been supplied than photosynthesis process led to treatment of heart
- Photosynthesis means abundant supply of oxygen that can live heart
NAVIC
- Navigation with indian constellation is indigenous navigation system launched by ISRO
- This system provide GPS like service to whole in and periphery 1500 KM area
- This system include 7 satellite in geo transfer orbit and geo synchronous orbit
- This system recently struck in clock damage means one satellite clock not working properly
- This satellite need atomic clock made up of rubidium and physical research laboratory provide this clock service
- So now ISRO will launch another satellite to make that repairing

Aadhaar must for bank account
- Aadhaar now must to open bank account and do any transaction more than 50000 amount
- Prevention of money laundering has been amended for that purpose

Closing in on tax evasion
The move follows the mandate of Budget 2017, which called for seeding Aadhaar with PAN
- Quoting of Aadhaar number made mandatory for opening bank account, and for financial transactions of ₹50,000 and above from June 1
- All existing account holders asked to submit Aadhaar to banks by December 31, 2017, failing which accounts will become invalid
- In case a person does not have an Aadhaar card, he has to furnish proof of his Aadhaar application
- Small accounts without valid KYC documents: Maximum deposit is ₹50,000, and can be opened only at branches with core banking solutions
  — No foreign remittances to such accounts
  — Balance to be closely monitored

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G.S. -02

- **Freedom of expression**
  - Freedom of expression and speech is core part of our fundamental right but now we are in situation to express ourselves freely without any hesitation?
  - Under constitution article 19 give this fundamental right to expression
  - Every activity of mankind express something different that ranges from cultural creativity to violent opposition
  - What we think and what we apply is process of expression but difference between thought and application means lack of freedom or restraint
  - Government can make reasonable restriction but there should be clarity in the definition of reasonableness

- **Demand of statehood**
  - Demand for statehood in India federation always result of regional unbalanced growth or political advancement of people to get more representation
  - Now Gorkhaland people demanding for separate statehood for that factfile given below

### Short of a State

Following a renewed agitation for Gorkhaland in 2010, the Trinamool Congress-led government agreed to set up a semi-autonomous Gorkhaland Territorial Administration (GTA), which expanded some powers of the earlier semi-autonomous Darjeeling Gorkha Hills Council. A look at the differences between the GTA and the earlier DGHC.

<table>
<thead>
<tr>
<th>Basic Facts About the Gorkhaland Demand</th>
</tr>
</thead>
<tbody>
<tr>
<td>Separate statehood agitation began in</td>
</tr>
<tr>
<td>Area merged within Bengal in</td>
</tr>
<tr>
<td>Area component of West Bengal (%)</td>
</tr>
<tr>
<td>Total population (5% of West Bengal)</td>
</tr>
<tr>
<td>Average literacy (%)</td>
</tr>
<tr>
<td>Revenue contributed to the combined State (%)</td>
</tr>
<tr>
<td>Number of districts</td>
</tr>
</tbody>
</table>

**DGHC versus the GTA**

<table>
<thead>
<tr>
<th>Organisation</th>
<th>DGHC</th>
<th>GTA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Set up</td>
<td>1988</td>
<td>2011</td>
</tr>
<tr>
<td>Seats</td>
<td>28</td>
<td>45, plus 5 nominated members</td>
</tr>
<tr>
<td>Organisations</td>
<td>Centralised with all-powerful chief of DGHC with control over 18 subjects</td>
<td>More decentralised - GTA had a chairman, a chief executive and other members in executive body. Control over 54 departments</td>
</tr>
<tr>
<td>Powers</td>
<td>No legislative powers, limited financial ones. Funds transferred from State</td>
<td>No legislative but administrative and financial powers, including ability to have its own budget and allocation</td>
</tr>
<tr>
<td>Regulatory powers</td>
<td>None</td>
<td>Power to prepare regulations and recommend them to State government</td>
</tr>
</tbody>
</table>

G.S. -03

- **Zero defect zero effect scheme**
  - This scheme is sub part of make in India to make Indian market more competitive
  - ZED will focus mainly on strategy of certification, productivity, technology, efficiency, and intellectual property right etc.
  - Quality council of India has given apex role to check organization efficiency in MSME

- **Internet and non state terrorism**
  - When terrorism funded and supported by any political unit that called state actor terrorism while any voluntary group or person join terrorism without state support that is non state actor
  - Internet has opened new opportunity to develop terrorism as virtual form of organization and difficult to control as internet have no geographical or
• In the incident of terror attack by remote connection with help of internet then cyber planner have to take appropriate step

**GST**

• July 01 is the target date for government to implement this tax structure that is also called one nation one tax..
• this tax system will also create nationwide market when no tariff among state and city
• this tax structure is easy to understand as it will eliminate complex multi tax system
• GST council decide tax rate that council comprise of central and state finance minister
• Central GST, state GST and integrated GST will be differentiated
• But major problem for implementation is lack of awareness or mis-information among people, technological skill and infrastructure, state cooperation, tax department staff training etc.

**JUNE 20 2017**

**G.S.-02**

**Legislation and legality**

• Recently some cases before supreme are real test of supreme court as guardian of constitution
• PAN and Aadhaar case present complex scenario of legality of money bill as Aadhaar system and person right to privacy
• In another incident PAN has been mandatory for income tax filing under section of income tax act
• This two cases present dilemma before court so it is called hard cases as there is no either way solution clearly
• Making Aadhaar compulsory is unconstitutional at income tax filing because Aadhaar law also stated that enrolment for Aadhaar is voluntary for person

**Crisis in Gorkhaland**

• Gorkhaland present one district of state with 2 % area and population of state but give 15 % contribution in state revenue
• This mismatch is revenue distribution in developmental work worsen the formula of public fund management and inclusive/equal development
• This crisis start from time of colonialism after commercial plantation activity make region economical empowerment
• Government formulated Gorkhaland territorial administration like body which have more regional power and autonomy than any other local body

**Lesson to investigate and prevent terror attack**

• Army personal have only role to prevent potential danger person to country border but internal security rest with state police at local level
• With the time of digital revolution idea have no political or geographical border so every state government should make its police system technology
savvy and skilled

**President election**

- Election of president managed by three member body called election commission established by constitution for fair and free election practices
- For person to be eligible for president election must be indian citizen, 35 year of age and eligible to be member of lok sabha
- Election of president being held with system of single transferable voting system in which person have to get more than 50 % share of vote till that counting of preference being done
- Voting value and electoral college is as follow

![Number theory](image)

**G.S.-03**

**Khandari submarine**

- This scorpene class submarine start its operation without AIP system that was developed by DRDO
- Khandari submarine named after off shore island fort of Maratha king Shivaji the great
- Air independent propulsion is technique develop by DRDO but this submarine not used it by that it can stay in water for longer period of time

**Disaster preparedness**

- In the time of disaster management some word and work have vital place like preparedness, prevention, awareness, rehabilitation etc.
- Preparedness to disaster is creative step because it can prevent harmful effect to human as well as established infrastructure
- There is also need to specify definition of disaster with changing time and nature of disaster
• It is state responsibility and citizens duty to be ready for disaster and prevent it as much as possible
• Community led mock drill is innovative idea to create environment of disaster and give people sense on how to react on that particular event
• In india this all the work should be begin with zoning of disaster and making people aware about that disaster mechanism in that particular job
• Local body, state and center should also coordinate with each other

**june 21**

**G.S.-02**

**Court of contempt**
• It is one kind of crime in which person or institution make statement or act that breach protocol of judiciary
• This power given to high court and supreme court to avoid any restraint and unviable comment
• Court also can take contempt action against it own member if member found guilty

**G.S.-03**

**How to avoid man animal conflict and establish cordial relation**
• Man and animal both are natural creation but due to wisdom man want to acquire everything at the cost of anything
• This selfishness of person led to him in situation of conflict with animal to get more and more resources
• This kind of incident can be seen in farm or mining seen where chinkara, elephant and monkey like animal become rival of man
• This relation have both side damages so we have to make cordial relation between them
• Relation can be reformed only by way of separation of interest or making mutual interest
• Like instead of agricultural in forest area there should be development of tourism and local will get income or making animal corridor like elephant corridor

**Genetically modified food**
• In india genetically modified food approved by genetic engineering appraisal committee [GEAC]
• This committee work under ministry of environment, forest and climate change
• Apart from that forest minister approval is also needed who give final acceptance
• After BT cotton no crop has been approved for GM mode because of wide spread opposition from various section so now question is that what to do with GM crops
• Most important argument from opposition is side effect to environment and health
• Majority of the opposite views are due to lack of awareness among people
about real meaning of GM crops

- If government want to eliminate food security problem then they have to take step with openness and transparency

**Trend of heat wave**
- First and most dangerous form of climate change effect can be seen in heat wave incident that trend frequency increasing
- Due to global warming mercury level soaring very easily that have worst effect on human body water balance and lead to heat attack
- If timely medical assistance not provided than person can lose his/her lives
- Government should formulate plan on heat wave management like Ahmadabad municipal corporation work on the base of intensity of heat wave

**G.S.-01**

**High cost of ageing**
- India currently have highest demographic dividend in world that is both opportunity and challenge because we have to convert it into productive one
- If we can not take benefit of this age we have to face lot at time of ageing
- In the population pyramid japan like first world country facing problem related with ageing
- Because ageing want both sympathy and economic empowerment because of physical strength at this age

**G.S.-02**

**Jail to judge**
- Justice karnan got jail term in contempt of court
- Contempt of court is to damage dignity of judiciary without rational basis
- This case show the breach of value in highest post of country that is high court judge
- Lack of code of conduct led to this kind of behavior that make whole system with black spot

**G.S.-03**

**International solar alliance and job creation**
- Its foundation member is india and france in which country are member who got solar light for majority time of the year
- Most of tropical country are member of this initiative
- Headquarter of this initiative at gurugram
- As per survey new 3 lakh job to be created

**Heart failure patient increasing in india**

- In indian patient of diabetes and heart failure increases as life style change take place
- Poor access to health care facility and access at later stage is major cause of
Moreover heart disease patient don’t have costly remedies or hospital cost in rural area

Government should focus on this trend with preventive step like making people aware about causes of this disease

**Liquefied natural gas**
- This gas becoming new source of energy by the time because of its abundant natural availability, cheaper and environment friendly
- It is obtained by cooling of natural gas at -162 C
- It is colorless, odorless and non-toxic gas
- Its combustion have less number of NOx and SOx that make environment friendly gas
- LNG spill do not require any remediation as it evaporate immediately

**Cattle rule**
- Government published rule for the better management and welfare of cattle to prevent cruelty toward it
- But majority of the political figure take it with political issue and want to take benefit from it.
- This rule come under prevention of animal cruelty act
- Animal welfare board also created in the chairmanship of prime minister

**Kuznets curve**
- A curve used to demonstrate the hypothesis that economic growth initially leads to greater inequality, followed later by the reduction of inequality.
- The idea was first proposed by American economist Simon Kuznets.
- As economic growth comes from the creation of better products, it usually boosts the income of workers and investors who participate in the first wave of innovation.
- The industrialization of an agrarian economy is a common example.
- This inequality, however, tends to be temporary as workers and investors who were initially left behind soon catch up by helping offer either the same or better products. This improves their incomes

**Unique formula for poverty elimination**
- Rajasthan government adopted new formula for poverty identification and elimination
- This technique called social profiling of poor person that means every person with poverty have to tag his/her house
- This tag include detail that this particular person getting benefit of government scheme and come under poverty index
- By that every person form society can know who is real poor and if dummy person get benefit of any scheme and then society can complaint about it
- So it is one kind of social awareness initiative in which every person become
**CARTOSAT 02**
- Will be launched by ISRO with the help of PSLV C38
- It is heavy weight launching operation include three step operation in solid propellant
- The imagery provided by the satellite will be used for cartographic applications, coastal land use and regulation, road network monitoring, water distribution, land use mapping and geographical information system applications.

**Farmer crisis**
- Commercialization of agriculture is process in which only economic value matter not person
- Farmer crisis of this time is much like revolution in making because of...
government plan and scheme unable to define real situation of farmer

• Government and farmer should talk silently and take sustainable step to solve this problem with permanent nature

JUNE 24 2017

G.S.-02

Smart city initiative

NEW AGE CITIES
The latest announcement takes to 90 the number of cities selected for part financing of projects by the Centre under the Smart Cities scheme

G.S.-03

PSLV-C38 Successfully Launches 31 Satellites in a Single Flight [pib]

• ISRO have launched 31 satellite in one flight by PSLV C38
• This also include one of the important satellite that is CARTOSAT 2
• This satellite will be helpful in land use, GIS system, and other cartographic purpose
• Other satellite include foreign satellite launched in polar synchronous
Reforms by Ministry of Agriculture & Farmers Welfare and its Possible Impact [pib]

PRADHAN MANTRI FASAL BIMA YOJANA:

After through review of erstwhile scheme of Modified National Agriculture Insurance Scheme (MNAIS), the Government launched PMFBY in April, 2016.

Under new scheme, farmers are charged uniform rate of premium of 1.5% in Rabi, Which is the minimum rate till date.

The scheme includes not only coverage of risks to standing crops, but also covers risk such as prevented sowing and post-harvest losses.

Under this scheme, far
• There is a lot of emphasis on the use of technology for insurance claims so that payment is not delayed.

• **NATIONAL AGRICULTURE MANDI:**
  - Earlier, different states had different regulations for the mandis.
  - After consultation with the states, rectification of three rules - recognition of e-trading, implementation mandi tariff on single window and single licence across the state – have been implemented to provide single mandi for trading to the farmers

• **SOIL HEALTH CARD (SHC):**
  - Earlier the soil health card were prepared in separate edition on small level by different State Governments.
  - And for this purpose no amount was allocated separately.
  - Keeping in view the importance of this subject time soil health card scheme was initiated for the first in which an unanimous soil specimen unification and trial methodology has been adopted.
  - Through this scheme 12 soil health parameters are analysed so that the farmers might be aware accurately about the use of fertilizers and nutrients in their fields.
  - Through this scheme there will not only be reduction in the cost of farming but also the identification of nutrients in the land and their importance will be established.

• **AGROFORESTRY:**
  - The Sub-Mission on Agroforestry has been launched for the first time by the present government to augment tree planting activities, intercropping and Medh Par Ped.
  - The scheme has been implemented in the states having liberalised transit regulations for transport of timber.
  - This will not only help in reducing the effects of climate change, increase soil biodiversity, but it will also provide a source of income for farmers.

• **Rashtriya Gokul Mission:**
  - This scheme for the first time has been commenced for the conservation and promotion of domestic bovines in a scientific and consolidated way.
  - e-Pashudhan Haat portal had been launched in order to facilitate the sale and purchase of high-quality breed / native livestock and availability of good quality semen doses.

• **BLUE REVOLUTION:**
  - Blue Revolution has been concentrated on one point for all of its schemes related to the productivity of water resources, fisheries, inland fisheries in order to enhance the security of fish rearers, marine fisheries, mericulture and the development of the harbours for fishery farmers.
G.S.-01

- **Kalaripayattu**
  - It is martial arts from Kerala
  - It is Kerala indigenous practices that root goes back in five hundred years
  - It is conserved with Guru Shisya tradition
  - It is combination of step and posture
  - Kalari means in Malayalam is training hall or school

G.S.-02

- **Nuclear supplier group [NSG]**
  - It is multilateral body in transfer of nuclear weapon and technology
  - This group was created in reply of India's nuclear test in 1974
  - Currently have 48 member and work with consensus
  - Member can inter transfer their technology

- **Office of profit**
  - It is one of the disqualification major higher post in government like president and governor
  - Office of profit generally means post in which holder of post can take decision that include profit or loss decision
  - Minister in state does not mean person holding office of profit
  - Matter regarding particular post is for profit or not then decision of president is final

G.S.-03

- **The craze of gluten free**
  - Recently there is trend of gluten free food but we have to discuss regarding that with higher focus on some area
  - Intestine or celiac diseases are likely when person consume gluten
  - Among possible symptoms: abdominal pain, bloating, gas, chronic diarrhea, or constipation; chronic fatigue, anaemia, unexplained weight loss, or muscle cramps; missed periods, infertility or recurrent miscarriage; vitamin deficiencies, discoloured tooth enamel, bone loss and fractures.

- **Amarnath Yatra: NDMA conducts mock exercises to improve preparedness [PIB]**
  - This point come under sustainable tourism practices as in previous year we have seen incident in kedarnath flood
  - Government first should take step in regard to preventive step to improve tourist safety
  - Ecological balance should be maintained as most of Himalayan tourist places are also sensitive to ecology
  - Disaster is also one of worst incident to environment and tourist so
government should organize such kind of deal by time

- Mock also give us idea about what lack in our rapid relief action and what we can do to improve situation

**June 26**

**G.S.-01**

**Increasing trend of child marriage**

- Child marriage means below age marriage in India this trend again taking momentum
- There are so many reason among that most important reason is lack of education and awareness
- Other reason is with changing time parent feel daughter as burden and want to marry him/her as soon as possible
- This trend not only limited to poor population but well off family also taking this way
- Another reason may be worsening gender ratio
- This early marriage will have social, physical and psychological effect on both partner and without proper understanding of marriage this marriage not sustain happily

**G.S.-02**

**Smart city**

- How smart city can be created and managed is depend on compilation and management of information and data
- Data management and information provide much raw material for smart city formulation
- Smart city is mission mode project of central government to solve problem of city that occurred due to lack of planning
- Smart city develop on the basis of proposal given by city means city have to show interest to develop that particular city
- In this mission city to be developed on the basis of cluster that means area wise development
- Special purpose vehicle means special designated agency to be develop to make this work efficient and in time bound manner
- Only materialistic show off doesn’t matter for the happiness of people so this is attempt to make city livable, happy and creative
- So everything from start to manage smart city data processing will play vital role

**Privilege to legislative assembly**

- Recently Karnataka assembly imposed fine on editor of newspaper
- Speaker of assembly can decide on the matter of privilege
- Member of legislative assembly have also its independent privilege like no civil or criminal procedure before and after 40 day of session
- But constitution have no special mention about privilege but it is matter of house identity
• The legislature must use the power to punish for contempt or breach of privilege sparingly, invoking it mainly to protect the independence of the House and not to take away the liberty of critics.

**June 27**

**G.S.-03**

**Spider web can cause allergy**

• Study by botanist show fungal and polan in sample that can cause skin disease and allergy
• Allergies are reaction of the immune system in number of way to triggers called allergens

**GST with new age**

• As GST come into existence in a few day india will transform and come into new era of economic development and public finance
• GST will affect every corner of country as this tax to be imposed from match box to gold but alcohol and petroleum is exception to this tax system
• It is digital, modern, transparent and easy to understand taxation system
• But this GST system have multi rate and multiple category system that is not as per promised one tax one nation principle
• In this system state have to give up their power to impose VAT that led to lack of financial federalism
• This is indirect tax means poor and wealthy affected equally that called regressive tax system in language of public finance

**Atmospheric carbon dioxide**

• Satellite data show that concentration of carbon dioxide is highest over northern state while southern peninsula have lower ratio
• Reason for this high concentration is not clear yet but lack of carbon sink, more sources of pollution like forest fire
• Level of carbon dioxide increase in winter due to lack vegetation and effect of anti cyclonic situation
**Gravitational wave and neutrino project**

- Gravitational wave was defined by Einstein that this is wave that can travel at speed of light and can produced by collision of two heavy object like black hole.
- Gravitational wave first detected by LIGO.
- The only other particles that can zip through the universe at speeds very close to that of light are called neutrinos. The biggest nuclear reactor that most life on earth derives energy from is the sun. Like all nuclear reactors, in addition to giving out energy (heat and light), the sun also emits neutrinos.

**Justice P N Bhagvati : the person who changed judiciary**

- As indira gandhi in politics, P N Bhagvati was most influential person in judiciary.
- Justice Bhagvati derive the line in what constituent the vital part of judiciary and what to do know but now reality is that judiciary working on marginal cases but not core issue that country now facing.
- Bhagvati has started innovative idea of public interest litigation that changed the whole right to get justice.
- Bhagvati also proposed idea of nyay panchayat to solve problem of judicial accessibility.
• Lok adalat has been set up at lowest level to increase judiciary speed and lower down burden of court
• In Minerva mills case bhagvati awarded that DPSP is above than fundamental right

June 28 2017

G.S.-02

📍 Terrorism and international cooperation
• Terrorism now not limited to any country or continent and not based on one ideology
• Now terror used modern up to date technology so definition of terrorism is difficult to derive
• International cooperation means every country have to work in every arena to end terror problem
• International cooperation also help to fight against state led terror act because trend of this kind of attack also increases
• BRICS and UN working toward more safe and peaceful world and this type of international institute should have to work as middleman for more integrated action

📍 China ban Kailash tourist
• Kailash mountain situated in Tibet region of Chinese undertaking that is also pilgrim place for Hindu tradition
• There are two route to this place from lipulekh in Utrakhand and nathu la pass in Sikkim
• Recently china ban all tourist to this place and lodged complaint about indian incursion

📍 WHO develop device to test multi disease
• WHO released new device to test multiple disease in remote area
• This device capable to test tuberculosis, hepatitis and HIV
• This little device named as genXpert
• This is state of art portable microwave oven size machine

**G.S.03**

- **Import substitution**
  - The policy of encouraging domestic production by raising barriers against the import of goods from foreign economies.
  - It is usually recommended by some economists as a way to encourage self-sufficiency, and also to aid the development of local industries.
  - It was most popular in Latin America in the 20th century, and India too adopted it prior to the liberalization of its economy in 1991.
  - Critics have argued that protectionist measures like import substitution make consumers poorer in the long run, by preventing them from enjoying the benefits of free trade.
  - Also, given the restrictions imposed on foreign trade, it can lead to bureaucratic corruption.

- **New law on bankruptcy**
  - New high in problem of NPA government have formed new law on matter of bankruptcy
  - Under new insolvency and bankruptcy code if company goes under acquisition in this rule then that unit will be exempted from takeover rule
  - But real solution of NPA problem lies in the political will
  - National company law tribunal under new company law established to hear cases of company wind up

**Olive ridley turtle**

- It is under “endangered” category of IUCN
- Olive Ridleys are found mostly in warm waters of Indian, Pacific and Atlantic ocean.
- Odisha coast is their largest mass hatching site, particularly the Gahirmatha Marine Sanctuary along the coastline of Kendrapara district of Orissa.
- Arribada means mass nesting of female olive ridley turtles
- Mass hatching season vary from November to may and female turtle lay down
thousand of egg but survival rate is very low
- Once Baby turtles come out of the sand nest, they move towards sea. But if they see bright light they move towards houses instead of diving into the sea.
- They lay down egg in sand dune of river because in beach sand there is greater concentration of salt

June 29 2017

G.S.-01
- **Landslide and solution in Himalaya**
  - Himalayan land made up of consolidated stratified rock that goes under upward movement in time of Himalayan formation
  - This rocks also goes under process of freezing and melting due to temperature difference in this region
  - This all reason cause higher vulnerability of Himalayan state to landslide and that cut area with mainland
  - Landslide is daily problem for this region so government should prepare for rapid action this action caused by natural cause upon which man have no control

G.S.-03
- **Effect of ransomware**

**Petya and preventive measures**

After Wannacry, yet another ransomware application has affected computers worldwide

- The current cyberattack is believed to be a variant of Petya ransomware that has been in existence since 2016. It infects PCs running on Windows operating system.
- As per preliminary findings by Kaspersky, the current attack is not a variant of Petya ransomware, but a new ransomware. They are calling it NotPetya.
- The current ransomware not only encrypts files, but also overwrites and encrypts the master boot record, making the system unusable till infection is removed.
- The ransomware waits for up to 60 minutes post infection to initiate a system reboot, post which a ransomware message is displayed.
- Petya, like the recent WannaCry ransomware that infected over 300,000 computers worldwide, uses the Eternal Blue exploit to propagate itself.
- Experts say the latest version of Petya is a much more “professional attempt” by cyber criminals compared to WannaCry whose damage was minimised due to “ sloppy coding”.
- Cybercriminals behind the attack demand $300 in bitcoins be paid to recover encrypted files
- As of Wednesday afternoon,

**Measures for protection**

- Make sure Microsoft Windows and all third party softwares are updated.
- It’s crucial to apply the MS17-010 bulletin immediately
- Don’t open attachments in unsolicited e-mails
- Never click on a URL contained in an unsolicited e-mail, even if the link seems benign.
- Maintain updated Antivirus software on all systems.
- Ensure the web browsers are secured enough with appropriate content controls.
- Individuals or organisations are not encouraged to pay the ransom, as this does not guarantee files will be released. Report such instances of fraud to CERT-In and Law Enforcement agencies.

SOURCE: CERT-IN
**GSAT 17**
- It is one of the satellites for communication systems to be launched by ISRO today.
- It will provide services in telecommunication, VSAT, and broadcasting.
- It will be launched from French Guiana in South America coast in collaboration of European space agency Arianespace.

**Flood forecasting model**
- Flood becomes a problem for 1/3 part of India in South West monsoon season that claim lots of life and damage to property.
- Government now have technology on basin rainfall forecasting based on that model we can forecast flood situation.
- Under this model government also can give precaution to people in basin and evacuate them to save life.
- This model also part of prevention strategy for disaster management.

**Innovation in India: bio Pharma mission [pib]**
- It is popularly known as i3 that is committed to addressing gaps with a Mission to make India a hub for design and development of novel affordable and effective biopharmaceutical products and solutions.
- The aim of the Mission is to “Enable and nurture an ecosystem for preparing India’s technological and product development capabilities in biopharmaceuticals to a level that will be globally competitive over the next decade, and transform the health standards of India’s population through affordable product development.”
- It is flagship program programme of government of India with collaboration with world bank.
- This mission include research, production and supply chain management.
- This mission will provide access to drug with ecosystem in which production of this drug to be carried out with balancing ecosystem.
- The Mission to be implemented by Biotechnology Industry Research Assistance Council (BIRAC), a Public Sector Undertaking of Department of Biotechnology.

**Privilege to legislator**
- Recently Karnataka assembly sentence two journalist that raise the question about; what constitute legislative privilege ?
- Speaker of house have power to decide legislative privilege, but there should be regulation because assembly can’t work as court.
- Parliament should form regulatory on what should constitute privilege.
- In India constitution idea of privilege draw from England to make legislator
free to vote and speak in house
• Parliament under 105 and assembly under 194 of constitution provide following privileges 
  (a) provide freedom of speech in Parliament subject to other provisions of the Constitution and standing orders of the House; 
  (b) give immunity for all speeches and votes in Parliament from judicial scrutiny; 
  (c) allow Parliament (and State legislatures) to codify the privileges, and until then, have the same privileges as the British Parliament had in 1950.

The doklam dispute
• It is tri junction dispute area among Bhutan, India and China that is also donglang in China 
• This area locally called chumbi valley and now under control of China 
• Bhutan claim sovereignty over this area 
• China alleged that Indian troop entering in China from this area so China also stop man sarovar tourist way from Nathu La pass in Sikkim that is easy way to go Kailash mountain

G.S.-03
Goods and service tax network [GSTN]
• It is not for profit organization owned by private financial institute and government will provide digital infrastructure for GST system 
• It is now operational but not taken security clearance from home ministry and every that kind of joint venture have to take this clearance 
• State government and union territory also have stake in GSTN

Sale of air India
• Air India resale of stock given approval that was long stated demand to make air India efficient and profitable 
• Loss making luxurious service provide unit is not good for public finance management because that event led to subsidy to richer as only richer person able to travel in plane 
• Government can give that amount to railway or any other welfare activity 
• To get good price of selling government should bring open to all [citizen plus foreign investor]

GSAT-17
• ISRO launched GSAT 19 successfully 
• It is launch from French guinea with collaboration of European space agency ariane 
• It is communication satellite will be useful in broadcasting and telecommunication 
• It is launched in geosynchronous transfer orbit