

"The significant problems we face can not be solved at the same level of thinking we were at when we created them." - Albert Einstein

ANALYSIS / APPROACH / SOURCE / STRATEGY: GENERAL STUDIES PRE 2014 PAPER

- TEAM VISION IAS

- The analysis is based on premise that UPSC wants to identify aspirants with **certain skills and aptitude** required to function as a good administrator. UPSC does not explicitly describe these skills so we infer them from Syllabus, Question Paper and feedback of experts and students.
- This analysis is an attempt to **quantify the subjective understanding** and **make explicit the implicit**.
- We have inferred some conclusions from these stats but you are **free to infer differently**. Moreover independent/impartial thinking is one of the qualities expected in administrators.

Q.N.	Section	Question	A n s w e r	L e v e l	Nat ure	Source	Sour c e T y p e	Explanation	Motivation / observation
1	Culture	In Medieval India, the designations 'Mahattara' and 'Pattakila' were used for (a) military officers (b) village officers (c) specialists in Vedic rituals (d) chiefs of craft guilds	B	D	U	Administrative System in India: Vedic Age to 1947 By U. B. Singh Page 47	RR		
2	Science and Technology	Lichens, which are capable of initiating ecological succession even on a bare rock, are actually a symbiotic association	B	E	F	12th NCERT, Biology, Unit 10, Chapter 13	EM	Lichens represent an intimate mutualistic relationship between a fungus and photosynthesising algae	

		of (a) algae and bacteria (b) algae and fungi (c) bacteria and fungi (d) fungi and mosses						or cyanobacteria.	
3	Geography	If you travel through the Himalayas, you are likely to see which of the following plants naturally growing there ? 1. Oak 2. Rhododendron 3. Sandalwood Select the correct answer using the code given below. (a) 1 and 2 only (b) 3 only (c) 1 and 3 only (d) 1, 2 and 3	D	D	F	NCERTClass XI: INDIA : PHYSICAL ENVIRONMENT page 59, 60	EM	Sandalwood trees are found in foothills of Himalayas. (NCERT)The Moist deciduous forests are more pronounced in the regions which record rainfall between 100-200 cm. These forests are found in the northeastern states along the foothills of Himalayas, eastern slopes of the Western Ghats and Orissa. Teak, sal, shisham, hurra, mahua, amla, semul, kusum, and sandalwood etc. are the main species of these forests.	All three we can observe altitude wise so answer D is also True
4	Environment	Which of the following are some important pollutants released by steel industry in India ? 1. Oxides of sulphur 2. Oxide of nitrogen 3. Carbon monoxide 4. Carbon dioxide Select the correct answer using the code given below. (a) 1, 3 and 4 only (b) 2 and 3 only (c) 1 and 4 only (d) 1, 2, 3 and 4	D	M	F	http://www.ilo.org/oshenc/part-xi/iron-and-steel/item/593-environmental-and-public-health-issues	EM		Coal Kills An Assessment of Death and Disease caused by India's Dirtiest Energy Source by Greenpeache (Reported in The Hindu March 11 2013)
5	Culture	Which of the following Kingdoms were associated with the life of the Buddha ? 1. Avanti 2. Gandhara 3. Kosala 4. Magadha Select the correct answer using the code given below. (a) 1, 2 and 3 (b) 2 and 4 (c) 3 and 4 only (d) 1, 3 and 4	D	D	F	The wonder that was India-A L Basham, chapter-1, ancient and medieval empires- the age of the Buddha http://www.palikanon.com/english/pali_names/ay/avanti.htm	RM	It is said that when Pajjota heard of the Buddha's advent to the world, he sent his chaplain's son, Kaccāna, with seven others, to invite him to Avanti. According to a late tradition recorded in the Buddhavamsa (Bu.xxviii.10), the Buddha's mat (nisīdana) and rug were deposited, after his death, in Avanti. It was during Ashoka's time that Buddhism spread to Gandhara.	
6	Culture	Every year, a month long ecologically important campaign/festival is held	B	D	CA	http://www.thehindu.com/todays-	EN		

		<p>Foreign assets 3. Balance of invisibles 4. Special Drawing Rights Select the correct answer using the code given below. (a) 1 only (b) 2 and 3 (c) 1 and 3 (d) 1, 2 and 4</p>							
11	Economy	<p>The terms 'Marginal Standing Facility Rate' and 'Net Demand and Time Liabilities', sometimes appearing in news, are used in relation to (a) banking operations (b) communications networking (c) military strategies (d) supply and demand of agricultural products</p>	A	E	CA	The Hindu, Current Affairs, Uma Kapila	EN	<p>MSF came into effect from 9th May 2011. MSF scheme is provided by RBI by which the banks can borrow overnight upto 1 per cent of their net demand and time liabilities (NDTL) i.e. 1 per cent of the aggregate deposits and other liabilities of the banks.</p>	<p>Marginal Standing Facility (MSF) is a new scheme announced by the Reserve Bank of India (RBI) in its Monetary Policy (2011-12), Hence it was important.</p>
12	Economy	<p>What is/are the facility/facilities the beneficiaries can get from the services of Business Correspondent (Bank Saathi) in branchless areas ? 1. It enables the beneficiaries to draw their subsidies and social security benefits in their villages. 2. It enables the beneficiaries in the rural areas to make deposits and withdrawals.</p> <p>Select the correct answer using the code given below. (a) 1 only (b) 2 only (c) Both 1 and 2 only (d) Neither 1 nor 4</p>	C	M	CA	Current Affairs, Government Schemes, India Year Book	EN	<p>BCs are being used under the Swabhimaan scheme for both the purposes</p>	
13	Economy	<p>In the context of Indian economy which of the following is/are the purpose/purposes of 'Statutory Reserve Requirements'?</p> <p>1. To enable the Central Bank to control the amount of advances the banks can create. 2. To make the people's deposits with banks safe and liquid. 3. To prevent the commercial banks from making excessive profits.</p>	B	M	F	NCERT Economics	EM	<p>A statutory reserve is an amount of cash a financial institution, such as a bank, credit union, or insurance company, must keep on hand to meet the obligations incurred by virtue of accepting deposits and premium payments. The statutory reserves required of banks and credit unions are generally set by the nation's central bank, and those required of insurance companies</p>	<p>RBI notified Liquidity Coverage Ratio(LCR) rules w.r.t. Basel III</p>

		4. To force the banks to have sufficient vault cash to meet their day-to-day requirements. Select the correct answer using the code given below. (a) 1 only (b) 1 and 2 only (c) 2 and 3 only (d) 1, 2, 3 and 4					are set by statute or regulation by the national, state or provincial government or regulatory authority. Calculated in various ways, statutory reserves are required to ensure that financial institutions are capable of paying claims even in a calamitous situation.		
14	Current Affairs	Recently, a series of uprisings of people referred to as 'Arab Spring' originally started from (a) Egypt (b) Lebanon (c) Syria (d) Tunisia	D	M	CA	Current Affairs, THE HINDU	EN	Arab Spring began with the overthrow of ruler Tunisia, Ben Ali who fled to Saudi Arabia	Arab Spring was in news since last 3 years
15	Current Affairs	Consider the following countries : 1. Denmark 2. Japan 3. Russian Federation 4. United Kingdom 5. United States of America Which of the above are the members of the 'Arctic Council' ? (a) 1, 2 and 3 (b) 2, 3 and 4 (c) 1, 4 and 5 (d) 1, 3 and 5	D	M	CA	Current Affairs, THE HINDU	EN		Arctic council and surrounding controversy had a lot of coverage in national dailies
16	Current Affairs	Consider the following pairs : Region often in news Country 1. Chechnya : Russian Federation 2. Darfur : Mali 3. Swat Valley : Iraq Which of the above pairs is/are correctly matched ? (a) 1 only (b) 2 and 3 only (c) 1 and 3 only (d) 1, 2 and 3	A	M	CA	Current Affairs, THE HINDU, Indian Express	EN	All regions are affected by some conflict, DARGUR is in Sudan, Swat Valley is in Pakistan	
17	Science and Technology	With reference to Agni-IV Missile, which of the following statements is/are correct ? 1. It is surface-to surface missile. 2. It is fuelled by liquid propellant only. 3. It can deliver one-tonne nuclear warheads about 7500km away. Select the correct answer using the code given below. (a) 1 only (b) 2 and 3 only	A	E	CA	Current Affairs, THE Hindu, India Year Book	EN	AGNI IV has a range of about 4000 km with 1 tonne nuclear head. Has two stages of Solid Propulsion	

		(c) 1 and 3 only (d) 1, 2 and 3							
18	Current Affairs	<p>With reference to two non-conventional energy sources called 'coalbed methane' and 'shale gas', consider the following statements :</p> <p>1. Coalbed methane is the pure methane gas extracted from coal seams, while shale gas is a mixture of propane and butane only that can be extracted from fine-grained sedimentary rocks.</p> <p>2. In India, abundant coalbed methane sources exist, but so far no shale gas sources have been found.</p> <p>Which of the statements given</p> <p>(a) 1 only (b) 2 only (c) Both 1 and 2 (d) Neither 1 nor 2</p>	D	M	CA	http://archive.indianexpress.com/news/cambay-project-puts-gujarat-on-global-shale-gas-map/1200028/	EN	Shale gas deposits in India have been in news. Shale gas is a mixture of Methane, Propane and many other gases	
19	Geography	<p>With reference to 'Changpa' community of India, consider the following statements :</p> <p>1. They live mainly in the State of Uttarakhand</p> <p>2. They rear the Pashmina goats that yield a fine wool.</p> <p>3. They are kept in the category of Scheduled Tribes.</p> <p>Which of the statements given above is/are correct ?</p> <p>(a) 1 only (b) 2 and 3 only (c) 3 only (d) 1, 2 and 3</p>	B	D	CA	http://pib.nic.in/news/PrintRelease.aspx?relid=102681	EN	Changpa Tribe belong to Ladakh region of Jammu and Kashmir	J&K's tableau during republic day parade showcased the nomadic culture of the state, depicting Gujjar-Bakkarwal of Kashmir, Gaddi of Jammu region and the Changpa tribe from Ladakh. Changpas have the unique distinction of being allowed to move freely amongst the borders of India and China and are keepers of the Pashmina goat from where the famed Pashmina wool is sourced. "Shawls are so fine that they can be pulled through a tiny ring hole,"
20	Current Affairs	<p>In India, cluster bean (Guar) is traditionally used as a vegetable or animal feed, but recently the cultivation of this has assumed significance. Which one of the following statements is correct in this context ?</p> <p>(a) The oil extracted from seeds is used in the manufacture of biodegradable plastics.</p>	B	M	CA	Current Affairs, THE HINDU, Indian Express, Science Reporter	EN	Shale gas has been in news a lot recently	

		(b) The gum made from its seeds is used in the extraction of shale gas (c) The leaf extract of this plant has the properties of anti-histamines. (d) It is a source of high quality biodiesel.						
21	Modern Indian History	The Partition of Bengal made by Lord Curzon in 1905 lasted until (a) The First World War when Indian troops were needed by the British and the partition was ended. (b) King George V abrogated Curzon's Act as the Royal Durbar in Delhi in 1911 (c) Gandhiji launched his Civil Disobedience Movement. (d) The Partition of India in 1947 when East Bengal became East Pakistan.	B	E	F	Modern India (Old NCERT - 12th class by Bipin Chandra)	EM	
22	Modern Indian History	The 1929 Session of Indian National Congress is on significance in the history of the Freedom Movement because the (a) attainment of Self-Government was declared as the objective of the Congress. (b) Attainment of Poorna Swaraj was adopted as the goal of the Congress. (c) Non-Cooperation Movement was launched. (d) Decision to participate in the Round Table Conference in London was taken.	B	E	F	Modern India (Old NCERT - 12th class by Bipin Chandra)	EM	
23	Culture	With reference to the famous Sattriya dance, consider the following statements : 1. Sattriya is a combination of music, dance and drama. 2. It is a centuries-old living tradition of Vaishnavites of Assam. 3. It is based on classical Ragas and Talas of devotional songs composed by Tulsidas, Kabir and Mirabai. Which of the statements given above is/are correct ? (a) 1 only (b) 1 and 2 only	B	D	F	http://ccrtindia.gov.in/sattriya.php	RM	The Sattriya form uses a variety of hand gestures and foot positions. It also has its own style of music, based on classical ragas and the talas (rhythm) of borgeets (devotional songs composed by Sankardeva and Madhavdeva) and the songs of the one-act-plays. http://www.frontline.in/static/html/fl2719/stories/20100924271906400.htm

		(c) 2 and 3 only (d) 1, 2 and 3						
24	Culture	Chaitra 1 of the national calendar based on the Saka Era corresponds to which one of the following dates of the Gregorian calendar in a normal year of 365 days ? (a) 22nd March (or 21st March) (b) 15th May (or 16th May) (c) 21st March (or 30th March) (d) 21st April (or 20th April)	A	D	F	India Year Book	EM	
25	Culture	With reference to the Indian history of art and culture, consider the following pairs : Famous work of sculpture : Site 1. A grand image of Buddha's Mahaparinirvana with numerous celestial musicians above and the sorrowful figures of his followers below : Ajanta 2. A huge image of Varaha Avatar (boar incarnation) of Vishnu, as he rescues Goddess Earth from the deep and chaotic waters, sculpted on rock. : Mount Abu 3. "Arjuna's Penance" / "Descent of Ganga" sculpted on the surface of huge boulders : Mamallapuram Which of the pairs given above is/are correctly matched ? (a) 1 and 2 only (b) 3 only (c) 1 and 3 only (d) 1, 2 and 3	C	D	U	The wonder that was India-A L Basham, chapter-8, The Arts, page 373 and 374 for parts 2 and 3. For 1, refer to cave 26 in http://asi.nic.in/asi_monu_whs_ajanta_caves.asp	RM	varah avtaar sculpture is at udayagiri caves near Bhilsa.
26	Modern Indian History	The Ghadr (Ghadar) was a (a) revolutionary association of Indians with headquarters at San Francisco. (b) nationalist organization operating from Singapore. (c) militant organisation with headquarters at Berlin (d) Communist movement for India's freedom with head-quarters at Tashkent.	A	E	F	Modern India (Old NCERT - 12th class by Bipin Chandra)	EM	

27	Culture	<p>With reference to India's culture and tradition, what is 'Kalaripayattu'?</p> <p>(a) It is an ancient Bhakti cult of Shaivism still prevalent in some parts of South India.</p> <p>(b) It is an ancient style bronze and brasswork still found in southern part of Coromandel area.</p> <p>(c) It is an ancient form of dance-drama and a living tradition in the northern part of Malabar.</p> <p>(d) It is an ancient martial art and a living tradition in some parts of South India.</p>	D	D	F	http://ccrtindia.gov.in/performingart.php	RR		Kalaripayattu was in news in relation to Bollywood and actor Vidyut Jammwal								
28	Culture	<p>Consider the following pairs :</p> <ol style="list-style-type: none"> Garba : Gujarat Mohiniattam : Odisha Yakshagana : Karnataka <p>Which of the pairs given above is/are correctly matched ?</p> <p>(a) 1 only (b) 2 and 3 only</p> <p>(c) 1 and 3 only (d) 1, 2 and 3</p>	C	M	F	http://ccrtindia.gov.in/performingart.php	EM										
29	Culture	<p>With reference to Buddhist history, tradition and culture in India, consider the following pairs:</p> <table border="0"> <tr> <td>Famous Shrine</td> <td>Location</td> </tr> <tr> <td>1. Tabo monastery and temple complex</td> <td>: Spiti Valley</td> </tr> <tr> <td>2. Lhotsava Lhakhang</td> <td>: Zaskar Valley</td> </tr> <tr> <td>3. Alchi Temple Complex</td> <td>: Ladakh</td> </tr> </table> <p>Which of the above pairs given is/are correctly matched ?</p> <p>(a) 1 only (b) 2 and 3 only</p> <p>(c) 1 and 3 only (d) 1, 2 and 3</p>	Famous Shrine	Location	1. Tabo monastery and temple complex	: Spiti Valley	2. Lhotsava Lhakhang	: Zaskar Valley	3. Alchi Temple Complex	: Ladakh	C	D	U	http://www.buddhistchannel.tv/index.php?id=5,6304,0,0,1,0#.VASCFvmSySo	RR	The village of Nako, at about 13,000 feet (3,900 m), in Kinnaur in Himachal Pradesh has an early temple complex. The main temple is called the Lhotsava Lhakhang, or the temple of the great translator Rinchen Zangpo. Enclosed between the Greater Himalaya and the Zaskar, Nako is located at the east end of Kinnaur Valley.	
Famous Shrine	Location																
1. Tabo monastery and temple complex	: Spiti Valley																
2. Lhotsava Lhakhang	: Zaskar Valley																
3. Alchi Temple Complex	: Ladakh																
30	Culture	<p>Consider the following statements :</p> <ol style="list-style-type: none"> 'Bijak' is a composition of the teachings of Saint Dadu Dayal. The Philosophy of Pushti Marg was propounded by Madhvacharya. <p>Which of the statements given above</p>	D	D	F	NIOS material – RELIGION & PHILOSOPHY IN MEDIEVAL INDIA, page 136 NCERT class-7th,	EM	Vallabhacharya's philosophy came to be known as Pushtimarga (the path of grace). Kabir's ideas were later collected and preserved in Bijak.									

		is/are correct ? (a) 1 only (b) 2 only (c) Both 1 and 2 (d) Neither 1 nor 2				OUR PASTS-II, page116			
31	Culture	A community of people called Manganiyars is well-known for their (a) martial arts in North-East India (b) musical tradition in North-West India. (c) Classical vocal music in South India. (d) Pictra dura tradition in Central India.	B	D	U	http://indianexpress.com/article/cities/mumbai/from-seduction-to-education/	RM		
32	Modern Indian History	What was/were the object/objects of Queen Victoria's Proclamation (1858)? 1. To disclaim any intention to annex Indian States 2. To place the Indian administration under the British Crown. 3. To regulate East India Company's trade with India Select the correct answer using the code given below. (a) 1 and 2 only (b) 2 only (c) 1 and 3 only (d) 1, 2 and 3	A	M	F	Modern India (Old NCERT - 12th class by Bipin Chandra)	EM		
33	Culture	Ibadat Khana at Fatehpur Sikri was (a) the mosque for the use of Royal Family (b) Akbar's private prayer chamber. (c) the hall in which Akbar held discussions with scholars of various religions. (d) the room in which the nobles belonging in different religions gathered to discuss religious affairs.	C	M	F	NCERT class-7th, OUR PASTS-II, page 54	EM		
34	Geography	In the context of food and nutritional security of India, enhancing the 'Seed Replacement Rates' of various crops helps in achieving the food production targets of the future. But what is/are the constraint/constraints in its wider/greater implementation ? 1. There is no National Seeds Policy in place. 2. There is no participation of private	B	D	FCA	http://articles.economictimes.indiatimes.com/2009-06-29/news/27650737_1_fertiliser-companies-chambal-fertilisers-coromandel-	RM	India has a national seeds policy 2002, also many private companies are operating in supplying seeds	

		sector seed companies in the supply of quality seeds of vegetables and planting materials of horticultural crops. 3. There is a demand-supply gap regarding quality seeds in case of low value and high volume crops. Select the correct answer using the code given below. (a) 1 and 2 (b) 3 only (c) 2 and 3 (d) None				fertilisers			
35	Environment	With reference to 'Eco-Sensitive Zones', which of the following statements is/are correct ? 1. Eco-Sensitive Zones are the areas that are declared under the Wildlife (Protection) Act, 1972. 2. The purpose of the declaration of Eco-Sensitive Zones is to prohibit all kinds of human activities in those zones except agriculture. Select the correct answer using the code given below. (a) 1 only (b) 2 only (c) Both 1 and 2 (d) Neither 1 nor 2	D	M	CA	http://www.pib.nic.in/newsite/erelease.aspx?relid=36370	EN	Declared under Environment (Protection) Act, 1986. Activities prohibited are generally specific to each zone and notified separately.	Continuously in news due to madhav gadgil committee report and developments in NCR region also. The hindu mentioned the line" an eco-sensitive zone under the Environment Protection Act, 1986." many times
36	Environment	Consider the following statements : 1. Animal Welfare Board of India is established under the Environment (Protection) Act, 1986. 2. National Tiger Conservation Authority is a statutory body. 3. National Ganga River Basin Authority is chaired by the Prime Minister. Which of the statements given above is/are correct ? (a) 1 only (b) 2 and 3 only (c) 2 only (d) 1, 2 and 3	B	M	CA	http://www.awbi.org/?q=node/1 http://projecttiger.nic.in/content/111_1_Introduction.aspx http://pib.nic.in/newsite/erelease.aspx?relid=58626	RM	Animal Welfare Board has been established under Prevention of Cruelty to Animals Acts 1960	All the three have been in news recently
37	Science and Technology	Consider the following pairs : Vitamin Deficiency disease 1. Vitamin C : Scurvy 2. Vitamin D : Rickets 3. Vitamin E : Night blindness Which of the pairs given above is/are	A	E	F	NCERT Science Class IX	EM	Vitamin A causes Night Blindness	

		correctly matched ? (a) 1 and 2 only (b) 3 only (c) 1, 2 and 3 (d) None						
38	Environment	There is some concern regarding the nanoparticles of some chemical elements that are used by the industry in the manufacture of various products. Why ? 1. They can accumulate in the environment and contaminate water and soil. 2. They can enter the food chains. 3. They can trigger the production of free radicals. Select the correct answer using the code given below. (a) 1 and 2 only (b) 3 only (c) 1 and 3 only (d) 1, 2 and 3	D	D	FA	http://rsif.royalsocietypublishing.org/content/early/2009/08/31/rsif.2009.0252.focus.full	RM	Many of the nano particles are very stable and hence have a tendency for accumulation. They can easily enter food chains because of their very small size and stay in it because of their stable nature. They have the ability to generate free radicals and cause oxidative stress in cells
39	Economy	Which of the following organizations brings out the publication known as 'World Economic Outlook ? (a) The International Monetary Fund (b) The United Nations Development Programme (c) The World Economic Forum (d) The World Bank	A	E	CA	http://www.thehindu.com/business/Economy/indias-growth-likely-to-recover-to-54-in-2014-imf/article5887708.ece	EN	
40	Economy	With reference to Union Budget, which of the following is/are covered under Non-Plan Expenditure ? 1. Defence expenditure 2. Interest payments 3. Salaries and pensions 4. Subsidies Select the correct answer using the code given below. (a) 1 only (b) 2 and 3 only (c) 1, 2, 3 and 4 (d) None	C	M	F	NCERT economy, Uma Kapila	EM	All of them form the part of Non-plan expenditure
41	Economy	If the interest rate is decreased in an economy, it will (a) decrease the consumption expenditure in the economy	C	M	FA	Uma Kapila, Ramesh Singh	EM	Decreased interest rates would ensure availability of capital for investment expenditure

		(b) increase the tax collection of the Government. (c) Increase the investment expenditure in the economy (d) increase the total savings in the economy.						
42	Polity	Consider the following statements : 1. The President shall make rules for the more convenient transaction of the business of the Government of India, and for the allocation among Ministers of the said business. 2. All executive actions of the Government of India shall be expressed to be taken in the name of the Prime Minister. Which of the statements given above is/are correct ? (a) 1 only (b) 2 only (c) Both 1 and 2 (d) Neither 1 nor 2	A	E	F	Laxmikanth	EM	Article 77(c) - Verbatim, second statement being wrong, since all decision are taken in the name of President
43	Polity	Consider the following statements regarding a No-Confidence Motion in India : 1. There is no mention of a No-Confidence Motion in the Constitution of India. 2. A motion of No-Confidence can be introduced in the Lok Sabha only. Which of the statements given above is/are correct ? (a) 1 only (b) 2 only (c) Both 1 and 2 (d) Neither 1 nor 2	C	M	F	Laxmikanth	EM	
44	Environment	With reference to Neem tree, consider the following statements : 1. Neem oil can be used as a pesticide to control the proliferation of some species of insects and mites. 2. Neem seeds are used in the manufacture of biofuels and hospital detergents. 3. Neem oil has applications in pharmaceutical industry.	D	M	FA	http://www.organeeem.com/neem_tree.html http://www.sciencedirect.com/science/article/pii/S1877705813005237	RM	

		Which of the statements given above is/are correct ? (a) 1 and 2 only (b) 3 only (c) 1 and 3 only (d) 1, 2 and 3							
45	Science and Technology	Which one of the following is the process involved in photosynthesis? (a) Potential energy is released to form free energy. (b) Free energy is converted into potential energy and stored. (c) Food is oxidized to release carbon dioxide and water. (d) Oxygen is taken, and carbon dioxide and water vapour are given out.	B	E	FA	http://www.ncbi.nlm.nih.gov/books/NBK9861/	EM		
46	Science and Technology	In addition to fingerprint scanning, which of the following can be used in the biometric identification of a person ? 1. Iris scanning 2. Retinal scanning 3. Voice recognition Select the correct answer using the code given below. (a) 1 only (b) 2 and 3 only (c) 1 and 3 only (d) 1, 2 and 3	D	M	FCA	Types of Biometrics http://www.biometricsinstitute.org/pages/types-of-biometrics.html	EN	.Both Iris and Retina scanning in Biometric id uses near infrared(NIR) light using digital camera.	Increasing focus on biometrics with aadhar and other related measures
47	Science and Technology	Which of the following statements is/are correct regarding vegetative propagation of plants ? 1. Vegetative propagation produces clonal population. 2. Vegetative propagation helps in eliminating the virus. 3. Vegetative propagation can be practiced most of the year. Select the correct answer using the code given below. (a) 1 only (b) 2 and 3 only (c) 1 and 3 only (d) 1, 2 and 3	C	D	FA	http://www.sciencelearn.org.nz/Innovation/Innovation-Stories/Zealong-Tea/Articles/Vegetative-plant-propagation	RR	Second option is wrong because if the parent plant has a virus, then it will not be eliminated but further propagated.	
48	Current Affairs	Which of the following pairs is/are correctly matched ? Spacecraft Purpose 1. Cassini-Huygens : Orbiting the Venus and transmitting data to the Earth	B	D	CA	http://timesofindia.indiatimes.com/home/science/The-Cosmic-Photo-Op-Cassini-	EN	Cassini Huygens was sent to planet Saturn, all the other options can then be worked out easily	Cassini reveals 101 geysers on Enceladus(31 July 2014). Voyager 1 went out of the Solar System in Sep 2013.

		<p>2. Messenger : Mapping and investigating</p> <p>3. Voyager 1 and 2 : Exploring the outer solar system</p> <p>Select the correct answer using the code given below.</p> <p>(a) 1 only (b) 2 and 3 only</p> <p>(c) 1 and 3 only (d) 1, 2 and 3</p>				spacecraft-to-snap-Earth-from-1-5-billion-kms-away/articleshow/21052266.cms										
49	Geography	<p>Consider the following pairs :</p> <table border="0"> <tr> <td>Region</td> <td>Well-known for the production of</td> </tr> <tr> <td>1. Kinnaur</td> <td>: Areca nut</td> </tr> <tr> <td>2. Mewat</td> <td>: Mango</td> </tr> <tr> <td>3. Coromandel</td> <td>Soya bean</td> </tr> </table> <p>Which of the above pairs is/are correctly matched ?</p> <p>(a) 1 and 2 only (b) 3 only</p> <p>(c) 1, 2 and 3 (d) None</p>	Region	Well-known for the production of	1. Kinnaur	: Areca nut	2. Mewat	: Mango	3. Coromandel	Soya bean	D	M	FCA	Khullar, India Comprehensive Geography	EM	Areca nut is grown mainly in southern region, mango in central and south india and soyabean predominantly in central india
Region	Well-known for the production of															
1. Kinnaur	: Areca nut															
2. Mewat	: Mango															
3. Coromandel	Soya bean															
50	Science and Technology	<p>Which of the following is/are the example/examples of chemical change ?</p> <ol style="list-style-type: none"> 1. Crystallization of sodium chloride 2. Melting of ice 3. Souring of milk <p>Select the correct answer using the code given below.</p> <p>(a) 1 and 2 only (b) 3 only</p> <p>(c) 1, 2 and 3 (d) None</p>	B	M	F	7th NCERT, Science, Chapter 6	EM	Crystallisation of sodium chloride and ice melting are physical changes as they involve a change of state								
51	Polity	<p>The power of the Supreme Court of India to decide disputes between the Centre and the States falls under its</p> <ol style="list-style-type: none"> (a) advisory jurisdiction (b) appellate jurisdiction (c) original jurisdiction (d) writ jurisdiction 	C	E	F	Laxmikant - Indian Polity	EM									
52	Science and Technology	<p>Consider the following techniques/phenomena :</p> <ol style="list-style-type: none"> 1. Budding and grafting in fruit plants 2. Cytoplasmic male sterility 3. Gene silencing <p>Which of the above is/are used to create transgenic crops ?</p> <p>(a) 1 only (b) 2 and 3 only</p>	B	D	U	http://aob.oxfordjournals.org/content/79/1/3.full.pdf http://www.ncbi.nlm.nih.gov/books/NBK22015/	RR	<p>All three methods are related to transgenic crops directly or indirectly. As Cytoplasmic male sterility and Gene silencing are new technologies specifically developed for this purpose so option B looks more appropriate.</p> <p>directly related to GM crops issue</p>								

		(c) 1 and 3 only (d) None							
53	Science and Technology	Consider the following statements : 1. Maize can be used for the production of starch. 2. Oil extracted from maize can be a feedstock for biodiesel. 3. Alcoholic beverages can be produced by using maize. Which of the statements given above is/are correct ? (a) 1 only (b) 1 and 2 only (c) 2 and 3 only (d) 1, 2 and 3	D	M	FCA	http://www.fao.org/docrep/t0395e/T0395E02.htm http://en.wikipedia.org/wiki/Maize#Bio-fuel	EM	due to increased focus on biofuels	
54	Science and Technology	Among the following organisms, which one does not belong to the class of other three ? (a) Crab (b) Mite (c) Scorpion (d) Spider	A	M	U	http://www.merriam-webster.com/medical/arachnida	RM	crab does not belong to arachnida family	
55	Polity	The power to increase the number of judges in the Supreme Court of India is vested in (a) The President of India (b) the Parliament (c) The Chief Justice of India (d) the Law Commission	B	M	F	Laxmikant - Indian Polity	EM	Might be related to the current news of increase in number of judges in the High Court	
56	Geography	Consider the following towns of India : 1. Bhadrachalam 2. Chanderi 3. Kancheepuram 4. Karnal Which of the above are famous for the production of traditional sarees/fabric ? (a) 1 and 2 only (b) 2 and 3 only (c) 1, 2 and 3 only (d) 1, 3 and 4	B	D	U		RM	Geographical Indication	
57	Geography	Consider the following pairs: National Highway Cities connected 1. NH4 : Chennai and Hyderabad 2. NH6 : Mumbai and Kolkata 3. NH15: Ahmedabad and Jodhpur Which of the above pairs is/are correctly matched ? (a) 1 and 2 only (b) 3 only (c) 1, 2 and 3 (d) None	D	M	F	NCERT Class XII Geography- Part II	EM	NH4 connects Bengaluru-Chennai, NH6 Connects Surat-Kolkata	
58	Environment	Consider the following international	D	M	FCA	http://pib.nic.in/n	RM	As per United Nations Convention	IPCC Fifth Assessment Report

	nt	<p>agreements :</p> <ol style="list-style-type: none"> 1. The international Treaty on Plant Genetic Resources for Food and Agriculture. 2. The United Nations Convention to Combat Desertification. 3. The World Heritage Convention <p>Which of the above has/have a bearing on the biodiversity ?</p> <p>(a) 1 and 2 only (b) 3 only (c) 1 and 3 only (d) 1, 2 and 3</p>				ewsite/efeatures.aspx?reid=105134		to Combat Desertification (UNCCD) website - "dynamics of land, climate and biodiversity are intimately connected, the UNCCD collaborates closely with the other two Rio Conventions; the Convention on Biological Diversity (CBD) and the United Nations Framework Convention on Climate Change (UNFCCC), to meet these complex challenges with an integrated approach and the best possible use of natural resources." Rest of the two are also associated with biodiveresity.	2014
59	Environment	<p>Consider the following statements regarding 'Earth Hour'</p> <ol style="list-style-type: none"> 1. It is an initiative of UNEP and UNESCO 2. It is a movement in which the participants switch off the lights for one hour on a certain day every year. 3. It is a movement to raise the awareness about the climate change and the need to save the planet. <p>Which of the statements given above is/are correct ?</p> <p>(a) 1 and 3 only (b) 2 only (c) 2 and 3 only (d) 1, 2 and 3</p>	C	M	CA	http://www.earthhour.org/crowdsourcing-faqs	EN	It is an initiative of WWF (World Wildlife Fund for Nature)	Directly related to current affairs
60	Science and Technology	<p>Which one of the following is the correct sequence of a food chain ?</p> <ol style="list-style-type: none"> (a) Diatoms-Crustaceans-Herrings (b) Crustaceans-Diatoms-Herrings (c) Diatoms-Herrings-Crustaceans (d) Crustaceans-Herrings-Diatoms 	A	D	FA	http://www.scienceart.com/B_FoodChain/FoodChain.html	RR		
61	Environment	<p>What are the significances of a practical approach to sugarcane production known as 'Sustainable Sugarcane Initiative' ?</p> <ol style="list-style-type: none"> 1. Seed cost is very low in this compared to the conventional method of cultivation. 2. Drip irrigation can be practiced very 	B	D	FCA	http://www.agritech.tnau.ac.in/experiment_system/sugar/si.html	RM	The SSI method encourages application of organic manure as it enhances the macro and micro nutrient content in the soil in an eco friendly way and helps in optimum utilization of some of the chemical fertilizers	Due to similiarity with System of Rice Intensification and sustainable agriculture also being in continuous focus

		effectively in this. 3. There is no application of chemical/inorganic fertilizers at all in this. 4. The scope for intercropping is more in this compared to the conventional method of cultivation. Select the correct answer using the code given below. (a) 1 and 3 only (b) 1, 2 and 4 only (c) 2, 3 and 4 only (d) 1, 2, 3 and 4						
62	environment	If a wetland of international importance is brought under the 'Montreux Record', what does it imply ? (a) Changes in ecological character have occurred, are occurring or are likely to occur in the wetland as a result of human interference. (b) The country in which the wetland is located should enact a law to prohibit any human activity within five kilometres from the edge of the wetland. (c) The survival of the wetland depends on the cultural practices and traditions of certain communities living in its vicinity and therefore the cultural diversity therein should not be destroyed. (d) It is given the status of 'World Heritage Site'.	A	M	FCA	http://www.ramsar.org/cda/en/ramsar-documents-montreux/main/ramsar/1-31-118_4000_0	EM	Montreux Record was asked in Mains 2010
63	Geography	Which one of the following pairs of islands is separated from each other by the 'Ten Degree Channel'? (a) Andaman and Nicobar (b) Nicobar and Sumatra (c) Maldives and Lakshadweep (d) Sumatra and Java	A	E	F	NCERT Class XI Geography Page 19	EM	(NCERT) The entire group of island is divided into two broad categories – the Andaman in the north and the Nicobar in the south. They are separated by a water body which is called the Ten degree channel.
64	Geography	Consider the following pairs : Programme/Project Ministry 1 Drought-Prone Area Programme : Ministry of Agriculture	D	M	F	India Year Book http://agricoop.nic.in/guide.htm	EM	National Watershed Development Project for Rainfed Areas falls under Ministry of Agriculture National watershed Development Programme is being implemented by Min.of Rural Development but for

		<p>2. Desert Development Programme : Ministry of Environment and Forests</p> <p>3. National Watershed Development Project for Rainfed Areas : Ministry of Rural Development</p> <p>Which of the above pairs is/are correctly matched ?</p> <p>(a) 1 and 2 only (b) 3 only</p> <p>(c) 1, 2 and 3 (d) None</p>							Rainfed Areas by Min.Of Agriculture.
65	environment	<p>With reference to Bombay Natural History Society (BNHS), consider the following statements :</p> <p>1. It is an autonomous organization under the Ministry of Environment and Forests.</p> <p>2. It strives to conserve nature through action-based research, education and public awareness.</p> <p>3. It organizes and conducts nature trails and camps for the general public.</p> <p>Which of the statements given above is/are correct ?</p> <p>(a) 1 and 3 only (b) 2 only</p> <p>(c) 2 and 3 only (d) 1, 2 and 3</p>	C	M	U	http://envfor.nic.in/about-ministry/autonomous-organisations http://www.bnhs.org/about-bnhs.html	RR	BNHS does not come under MoEF.	http://www.thehindu.com/to-days-paper/tp-national/bombay-natural-history-society-conducts-nature-camps/article4701556.ece
66	environment	<p>With reference to 'Global Environment Facility', which of the following statements is/are correct?</p> <p>(a) It serves as financial mechanism for 'Convention on Biological Diversity' and 'United Nations Framework Convention on Climate Change'.</p> <p>(b) It undertakes scientific research on environmental issues at global level.</p> <p>(c) It is an agency under OECD to facilitate the transfer of technology and funds to underdeveloped countries with specific aim to protect their environment.</p> <p>(d) Both (a) and (b)</p>	A	D	FCA	http://www.thegef.org/gef/whatisgef	RM	GEF is an independently operating financial organization, the GEF provides grants for projects related to biodiversity, climate change, international waters, land degradation, the ozone layer, and persistent organic pollutants.	Increasing issues with climate change funding and recent climate change negotiations mainly focussing on climate change funding.
67	Science and Technology	<p>With reference to technology for solar power production, consider the following statements :</p>	A	D	FCA	http://cleantechnica.com/2012/03/01/what-is-solar-	EN	Photovoltaic technique produces Direct Current (DC) and India has a manufacturing base for	US drags India to WTO on solar mission programme. (The Hindu Feb 2014)

		<p>1. 'Photovoltaics' is a technology that generates electricity by direct conversion of light into electricity, while 'Solar Thermal' is a technology that utilizes the Sun's rays to generate heat which is further used in electricity generation process.</p> <p>2. Photovoltaics-generates Alternating Current (AC), while Solar Thermal generates Direct Current (DC).</p> <p>3. India has manufacturing base for Solar Thermal technology, but not for photovoltaics.</p> <p>Which of the statements given above is/are correct ?</p> <p>(a) 1 only (b) 2 and 3 only (c) 1, 2 and 3 (d) None</p>				energy-types-solar-energy-technology/		photovoltaics	recent start of next phase of JNNSM and excise duty related issues with domestic SPV producers and also custom duties on SPV imports
68	Culture	<p>Consider the following languages :</p> <p>1. Gujarati 2. Kannada 3. Telugu</p> <p>Which of the above has/have been declared as 'Classical Language/Languages' by the Government ?</p> <p>(a) 1 and 2 only (b) 3 only (c) 2 and 3 only (d) 1, 2 and 3</p>	C	M	CA	http://www.thehindu.com/todays-paper/tp-national/tp-newdelhi/classical-language-status-to-odia/article5711957.ece	EN		
69	Geography	<p>Consider the following pairs :</p> <p>1. Dampa Tiger Reserve : Mizoram 2. Gumti Wildlife Sanctuary : Sikkim 3. Saramati Peak : Nagaland</p> <p>Which of the above pairs is/are correctly matched ?</p> <p>(a) 1 only (b) 2 and 3 only (c) 1 and 3 only (d) 1, 2 and 3</p>	C	D	FCA	any standard atlas	EM	Gumti wildlife sanctuary is in Tripura.	
70	Environment	<p>With reference to a conservation organization called 'Wetlands International', which of the following statements is/are correct ?</p> <p>1. It is an intergovernmental organization formed by the countries which are signatories to Ramsar</p>	B	D	CA	http://www.wetlands.org/Aboutus/tabid/54/Default.aspx	RM	Wetlands International is the only global non-governmental organisation (NGO) dedicated to wetlands.	

		Convention. 2. It works at the field level to develop and mobilize knowledge, and use the practical experience to advocate for better policies. Select the correct answer using the code given below. (a) 1 only (b) 2 only (c) Both 1 and 2 (d) Neither 1 nor 2						
71	Current Affairs	With reference to a grouping of countries known as BRICS, consider the following statements : 1. The First Summit of BRICS was held in Rio de Janeiro in 2009 2. South Africa was the last to join the BRICS grouping. Which of the statements given above is/are correct ? (a) 1 only (b) 2 only (c) Both 1 and 2 (d) Neither 1 nor 2	B	M	CA	Current Affairs, Internet	EN	First BRICS summit was held in 2009 in Russia, second statement is correct. BRICS Bank, Fortaleza Declaration
72	Science and Technology	Consider the following diseases : 1. Diphtheria 2. Chickenpox 3. Smallpox Which of the above diseases has/have been eradicated in India ? (a) 1 and 2 only (b) 3 only (c) 1, 2 and 3 (d) None	B	M	CA	http://www.thehindu.com/opinion/blogs/blogs-the-copernican/article5976018.ece	RM	Small pox was eradicated in 1979
73	Geography	Which of the following phenomena might have influenced the evolution of organisms ? 1. Continental drift 2. Glacial cycles Select the correct answer using the code given below. (a) 1 only (b) 2 only (c) Both 1 and 2 (d) Neither 1 nor 2	C	M	F	11th NCERT, Geography, Fundamentals of world physical geography	EM	
74	Environment	Other than poaching, what are the possible reasons for the decline in the population of Ganges River Dolphins ? 1. Construction of dams and barrages on rivers 2. Increase in the population of crocodiles in rivers.	C	E	FCA	http://www.wwfnepal.org/about_wwfn/conservation_nepal/shl/thematic_solutions_nepal2/species_nepal/genetic_dolphin_ne	EN	Crocodile population has nothing to do with the decline in population of dolphins. It is human activities that are mainly responsible.

		<p>3. Getting trapped in fishing nets accidentally</p> <p>4. Use of synthetic fertilizers and other agricultural chemicals in crop-fields in the vicinity of rivers</p> <p>Select the correct answer using the code given below.</p> <p>(a) 1 and 2 only (b) 2 and 3 only</p> <p>(c) 1, 3 and 4 only (d) 1, 2, 3 and 4</p>				<p>pal/ http://wwf.panda.org/what_we_do/endangered_species/cetaceans/about/river_dolphins/ganges_river_dolphin/</p>		
75	Modern Indian History	<p>The Radcliffe Committee was appointed to</p> <p>(a) solve the problem of minorities in India</p> <p>(b) given effect to the Independence Bill</p> <p>(c) delimit the boundaries between India and Pakistan</p> <p>(d) enquire into the riots in East Bengal.</p>	C	E	F	Spectrum Modern India	EM	
76	Environment	<p>Brominated flame retardants are used in many household products like mattresses and upholstery. Why is there some concern about their use ?</p> <p>1. They are highly resistant to degradation in the environment.</p> <p>2. They are able to accumulate in humans and animals.</p> <p>Select the correct answer using the code given below.</p> <p>(a) 1 only (b) 2 only</p> <p>(c) Both 1 and 2 (d) Neither 1 nor 2</p>	C	D	U	http://www.efsa.europa.eu/en/topics/topic/bfr.htm	RM	http://www.thehindu.com/news/cities/Delhi/top-companies-flout-ewaste-rules-says-study/article6150844.ece
77	Science and Technology	<p>Consider the following :</p> <p>1. Bats 2. Bears 3. Rodents</p> <p>The phenomenon of hibernation can be observed in which of the above kinds of animals ?</p> <p>(a) 1 and 2 only (b) 2 only</p> <p>(c) 1, 2 and 3 only</p> <p>(d) Hibernation cannot be observed in any of the above</p>	C	D	FCA	http://animals.pawnation.com/list-animals-hibernate-3236.html	RM	http://www.thehindu.com/sci-tech/science/new-light-on-hibernation/article5265332.ece
78	Polity	<p>Which one of the following is the largest Committee of the Parliament ?</p> <p>(a) The committee on Public Accounts</p> <p>(b) The committee on Estimates</p>	B	E	F	LAXMIKANTH - POLITY	Em	

		(c) The Committee on Public Undertakings (d) The committee on Petitions						
79	Science and Technology	Which of the following adds/ads carbon dioxide to the carbon cycle on the planet Earth ? 1. Volcanic action 2. Respiration 3. Photosynthesis 4. Decay of organic matter Select the correct answer using the code given below. (a) 1 and 3 only (b) 2 only (c) 1, 2 and 4 only (d) 1, 2, 3 and 4	C	E	F	11th NCERT, Geography, Chapter 15	EM	
80	Environment	If you walk through countryside, you are likely to see some birds stalking alongside the cattle to seize the insects disturbed by their movement through grasses. Which one of the following is/are such bird/birds ? 1. Painted Stork 2. Common Myna 3. Black-necked Crane Select the correct answer using the code given below. (a) 1 and 2 (b) 2 only (c) 2 and 3 (d) 3 only	B	D	U	http://www1.mnr.gov.ws/documents/projects/environment/terrestrial/Myna/Myna%20Bird_fact%20sheets.pdf	RR	http://timesofindia.indiatimes.com/home/environment/flora-fauna/Myna-bird-in-Australia-threatening-its-native-species-Study/articleshow/15482046.cms
81	Geography	Which of the following have coral reefs ? 1. Andaman and Nicobar Islands 2. Gulf of Kachchh 3. Gulf of Mannar 4. Sunderbans Select the correct answer using the code given below. (a) 1, 2 and 3 only (b) 2 and 4 only (c) 1 and 3 only (d) 1, 2, 3 and 4	A	M	F	India Year Book http://www.thehindu.com/sci-tech/energy-and-environment/invasion-by-soft-coral-threatens-reef-ecosystem/article5385047.ece	EM	Corals have been in news because of their increased degradation and their ability to withstand coastal hazards like tsunamis
82	Geography	In India, the problem of soil erosion is associated with which of the following ? 1. Terrace cultivation 2. Deforestation 3. Tropical climate Select the correct answer using the code	B	M	F	11th NCERT, Geography, Fundamentals of world physical geography	EM	Terrace cultivation is for preventing soil erosion on hill slopes while tropical climate has nothing to do with soil erosion

		given below. (a) 1 and 2 only (b) 2 only (c) 1 and 3 only (d) 1, 2 and 3						
83	Geography	The seasonal reversal of winds is the typical characteristic of (a) Equatorial climate (b) Mediterranean climate (c) Monsoon climate (d) All of the above climates	C	E	F	11th NCERT, Geography, Fundamentals of world physical geography	EM	
84	Culture	With reference to the cultural history of India, the term 'Panchayatan' refers to (a) an assembly of village elders (b) a religious sect (c) a style of temple construction (d) an administrative functionary	C	M	F	NCERT + http://ccrtindia.gov.in/templearchitecture.php	EM	
85	Geography	Consider the following rivers : 1. Barak 2. Lohit 3. Subansiri which of the above flows/flow through Arunachal Pradesh ? (a) 1 only (b) 2 and 3 only (c) 1 and 3 only (d) 1, 2 and 3	B	M	F	any standard atlas	EN	http://www.thehindu.com/news/national/new-delhi-invites-dhaka-stake-in-dams-on-common-rivers/article4358241.ece Barak has always been in focus due to Tipaimukh dam issue and The National Waterway (Lakhimpur-Bhanga Stretch of the Barak River) Bill, 2013 to develop the Barak river stretch as country's sixth National Waterway. The question can be solved by just the knowledge of barak river being in Manipur.
86	Environment	Consider the following pairs : Wetlands Conference of rivers 1. Harike Wetlands : Confluence of Beas and Satluj/ Sutlej 2. Keoladeo Ghana National Park : Confluence of Banas and Chambal 3. Kolleru Lake : Confluence of Musi and Krishna Which of the above pairs is/are correctly matched ? (a) 1 only (b) 2 and 3 only (c) 1 and 3 only (d) 1, 2 and 3	A	D	CA	http://www.hindustantimes.com/punjab/bathinda/notify-to-rs-12-7-cr-plan-for-hariker-wetland/article1-1074857.aspx	RM	The wetland ecosystem of Harike lies on the confluence of the Beas and Sutlej and the main water body (reservoir) came into existence when a barrage was constructed across the confluence of the two rivers in 1952..
87	Culture	Which one of the following pairs does not form part of the six systems of Indian Philosophy ? (a) Mimamsa and Vedanta	C	M	F	Ancient India (Old NCERT for XI by Ram Sharam Sharma)	EM	

		(b) Nyaya and Vaisheshika (c) Lokayata and Kapalika (d) Sankhya and Yoga						
88	Geography	Consider the following pairs : Hills Region 1. Cardamom Hills : Coromandel Coast 2. Kaimur Hills : Konkan Coast 3. Maadeo Hills : Central India 4. Mikir Hills : North-East India Which of the above pairs are correctly matched ? (a) 1 and 2 (b) 2 and 3 (c) 3 and 4 (d) 2 and 4	C	M	F	NCERT XI	EM	
89	POLITY	Which one of the following Schedules of the Constitution of India contains provisions regarding anti-defection ? (a) Second Schedule (b) Fifth Schedule (c) Eighth Schedule (d) Tenth Schedule	D	E	F	LAXMIKATH - POLITY	EM	
90	Environment	The most important strategy for the conservation of biodiversity together with traditional human life is the establishment of (a) biosphere (b) reserves (c) national parks (d) Wildlife sanctuaries	A	M	F	12th NCERT, Biology, Unit 10, Chapter 15	EM	
91	Geography	Turkey is located between (a) Black Sea and Caspian Sea (b) Black Sea and Mediterranean Sea (c) Gulf of Suez and Mediterranean Sea (d) Gulf of Aqaba and Dead Se	B	M	F	any standard atlas	EN	In news due to political turmoil
92	Geography	What is the correct sequence of occurrence of the following cities in South-East Asia as one proceeds from south to north? 1. Bangkok 2. Hanoi 3. Jakarta 4. Singapore Select the correct answer using the code given below: (a) 4-2-1-3 (b) 3-2-4-1	C	M	FCA	any standard atlas	EM	Focus of our foreign policy on South-East Asia

		(c) 3-4-1-2 (d) 4-3-2-1							
93	Environment	<p>The scientific view is that the increase in global temperature should not exceed 20C above pre-industrial level. If the global temperature increases beyond 30C above the pre-industrial level, what can be its possible impact/impacts on the world?</p> <p>1. Terrestrial biosphere tends toward a net carbon source. 2. Widespread coral mortality will occur. 3. All the global wetlands will permanently disappear. 4. Cultivation of cereals will not be possible anywhere in the world.</p> <p>Select the correct answer using the code given below:</p> <p>(a) 1 only (b) 1 and 2 only (c) 2, 3 and 4 only (d) 1, 2, 3 and 4</p>	B	M	FA	http://en.wikipedia.org/wiki/Effects_of_global_warming	EN	3 and 4 are too extreme. There will be effects on wetlands and cereal cultivation. But not total disappearance or no cultivation at all.	Global warming negotiations and the process of finalisation of post 2015 commitments being underway
94	Culture	<p>The national motto of India, 'Satyameva Jayate' inscribed below the Emblem of India is taken from</p> <p>(a) Katha Upanishad (b) Chandogya Upanishad (c) Aitareya Upanishad (d) Mundaka Upanishad</p>	D	E	F	India Year Book	EM		
95	Polity	<p>In the Constitution of India, promotion of international peace and security is included in the</p> <p>(a) Preamble to the constitution (b) Directive Principles of State Policy (c) Fundamental Duties (d) Ninth Schedule</p>	B	E	F	LAXMIKANTH - POLITY	EM	ARTICLE 51 - DPSP	
96	Geography	<p>What are the benefits of implementing the 'Integrated Watershed Development Programme'?</p> <p>1. Prevention of soil runoff 2. Linking the country's perennial rivers with seasonal rivers 3. Rainwater harvesting and recharge of groundwater table</p>	C	M	FA	http://dolr.nic.in/iwmp_main.htm	EM	Integrated watershed development programme nowhere mentions interlinking of rivers	Also in news due to BJP's inclination toward river linking plan

		4. Regeneration of natural vegetation Select the correct answer using the code given below: (a) 1 and 2 only (b) 2, 3 and 4 only (c) 1, 3 and 4 only (d) 1, 2, 3 and 4						
97	Polity	Which of the following are associated with 'Planning' in India? 1. The Finance Commission 2. The National Development Council 3. The Union Ministry of Rural Development 4. The Union Ministry of Urban Development 5. The Parliament Select the correct answer using the code given below: (a) 1, 2 and 5 only (b) 1, 3 and 4 only (c) 2 and 5 only (d) 1, 2, 3, 4 and 5	C	M	F	LAXMIKANT - POLITY	EM	The Parliament and NDC are two bodies which are directly related to the formulation of plan in India
98	Polity	Which of the following is/are the function/functions of the Cabinet Secretariat? 1. Preparation of agenda for Cabinet Meetings 2. Secretariat assistance to Cabinet Committees 3. Allocation of financial resources to the Ministries Select the correct answer using the code given below: (a) 1 only (b) 2 and 3 only (c) 1 and 2 only (d) 1, 2 and 3	C	M	F	LAXMIKANT - POLITY	EM	statement 3 is incorrect - allocation of financial resources is done by the finance ministry in consonance with the priorities presented in the budget
99	Polity	Consider the following statements : A Constitutional Government is one which 1.Places effective restrictions on individual liberty in the interest of State Authority. 2. Places effective restrictions on the Authority of the State in the interest of individual liberty. Which of the statements given above is/are correct? (a) 1 only (b) 2 only	B	D	FA	Arora and Goyal – chapter Constitutionalism	RM	

		(c) Both 1 and 2 (d) Neither 1 nor 2						
100	Polity	<p>Which of the following are the discretionary powers given to the Governor of a State?</p> <p>1. Sending a report to the President of India for imposing the President's rule 2. Appointing the Ministers 3. Reserving certain bills passed by the State Legislature for consideration of the President of India 4. Making the rules to conduct the business of the State Government</p> <p>Select the correct answer using the code given below: (a) 1 and 2 only (b) 1 and 3 only (c) 2, 3 and 4 only (d) 1, 2, 3 and 4</p>	B	M	F	Laxmikanth- polity	EM	Article 166(3) - The Governor shall make rules for the more convenient transaction of the business of the Government of the State, and for the allocation among Ministers of the said business in so far as it is not business with respect to which the Governor is by or under this Constitution required to act in his discretion - statement 4 does not come under the discretionary powers of the Governor . Ministers are appointed by the Governor on the advice of the CM and hence not a discretionary power.

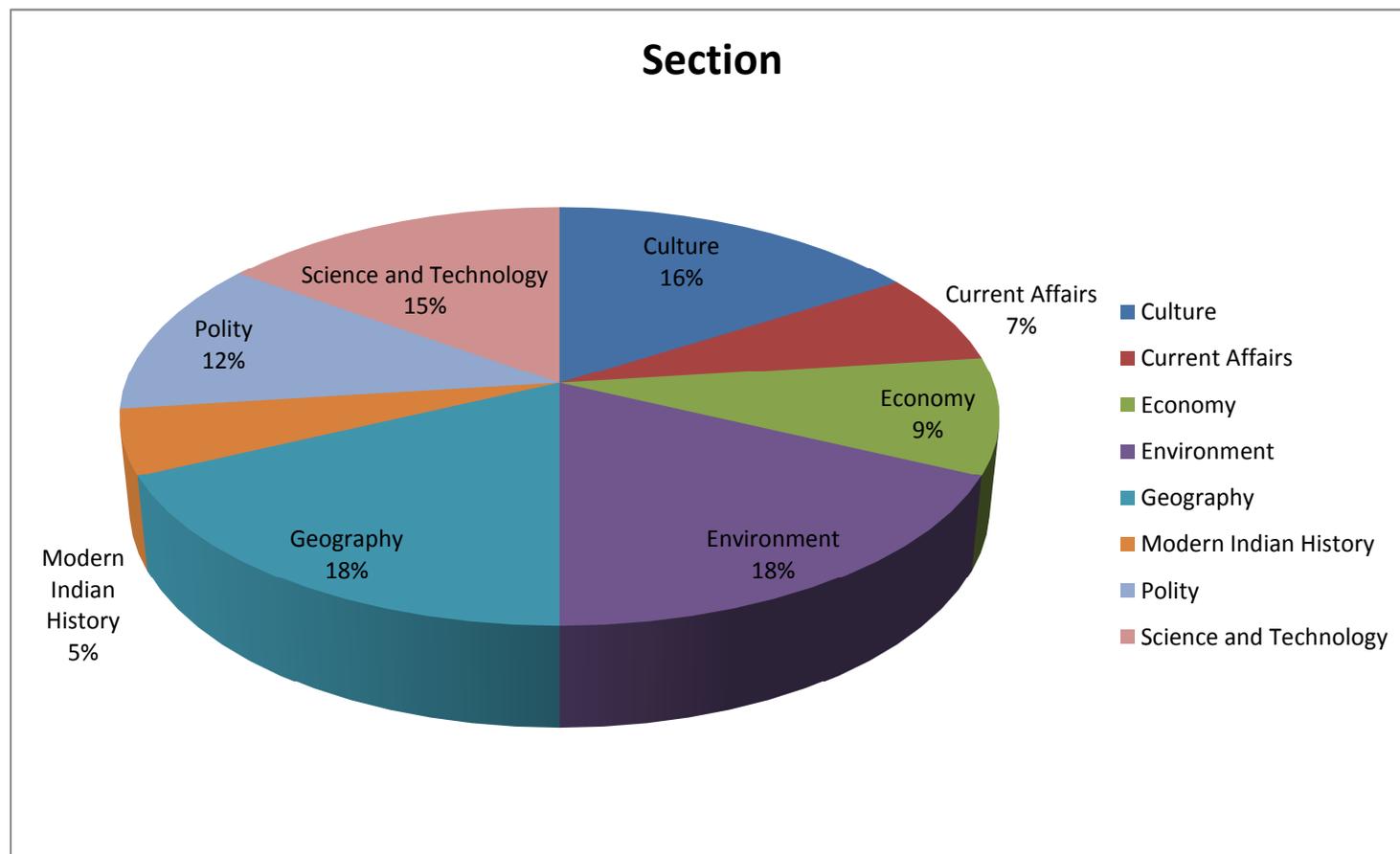
Observations

- The Paper portrayed a departure from the trend of last 3 years. While traditional questions were very easy, over emphasis on questions from art and culture and environment made the paper tough.
- Paper was factual and traditional compared to last three years. Questions from India year book also appeared this year.
- Topicwise composition is moving along expected lines as weightage of art & culture and ecology/environment is increasing.
- Proportion of unapproachable questions increased this year, which were mostly in art & culture and ecology & environment.
- Polity is moving towards governance and public administration type questions (Cabinet Secretary, Constitutionalism etc.) which was on expected lines.
- Except few easy ones, questions this year required complete knowledge of the topic.
- Deceptive presentation is a common method to segregate deep knowledge with superficial knowledge or hunch. This technique was used in many questions. (Bombay Natural History Society is autonomous organization but does not come under MoEF, Sattriya dance uses devotional songs but not by Kabeer, Tulsidas and Meerabai. Doubtful “all correct” or “none” was not correct).
- Some questions were too easy (E.g. Marginal Standing Facility). This does not mean that we should not have proper knowledge of topic (Eg. Solar power required complete knowledge).
- Pointers for most of the questions could be traced to The Hindu but as recommended earlier, in the age of internet, complete knowledge of topic is expected (Bromine flame was covered as part of e-waste in The Hindu).
- Some basic GK topics (like Hibernation) also appeared in The Hindu.

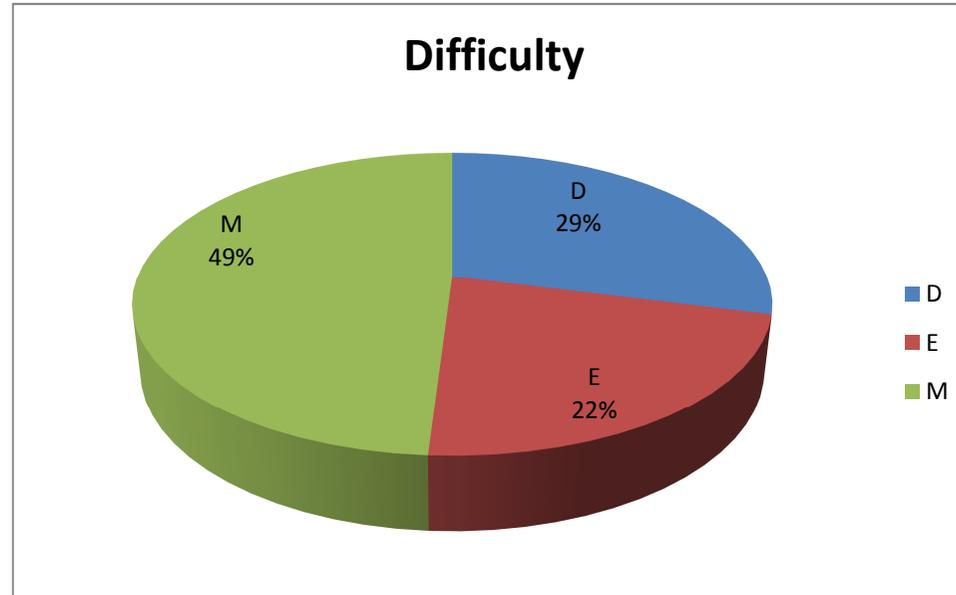
Recommendations:

- Read Basic/standard books, one Good News Paper (like The Hindu) as almost 80% questions could be attempted with this combination.
- Have keen perception about things going around you and assume less and less. After reading newspaper always clarify key terms from internet or books or teachers.
- Read one good book on art & culture and Environment this will help in prelims, mains and interview i.e. all stages of examination. This will also help in making some unapproachable question approachable. However, do not try to research, as it is impossible to cover all the questions.
- The trend of last three years was analytical but trend changed this year with the inclusion of factual questions and state civil service/SSC type one liners. So it is advisable to be ready for analytical and factual questions at the same time. It is expected that UPSC will not ask irrelevant facts (Date on which someone died type asked in state civil service) but important facts should not be ignored.
- Do not ignore your strong areas to do research in weak areas. You should be able to answer most of the questions from your strong areas.
- Nearly 60% of the questions were very basic which could have been answered by reading elementary books. Strategy should be to avoid negative marking in tough questions and maximize your score by first finding the easy ones and completing them.
- Read questions carefully and use elimination technique wherever possible.

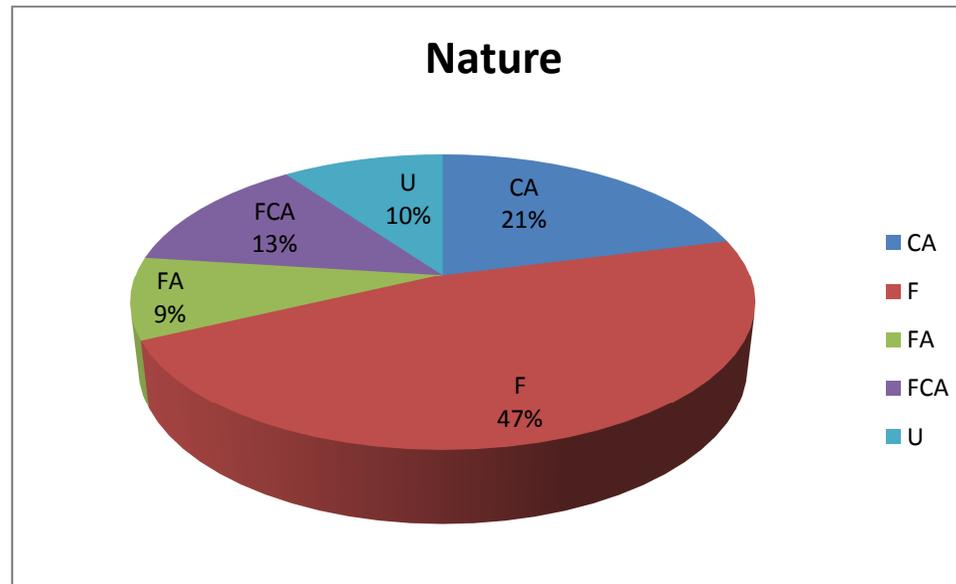
Section	Count
Culture	16
Current Affairs	7
Economy	9
Environment	18
Geography	18
Modern Indian History	5
Polity	12
Science and Technology	15
Grand Total	100



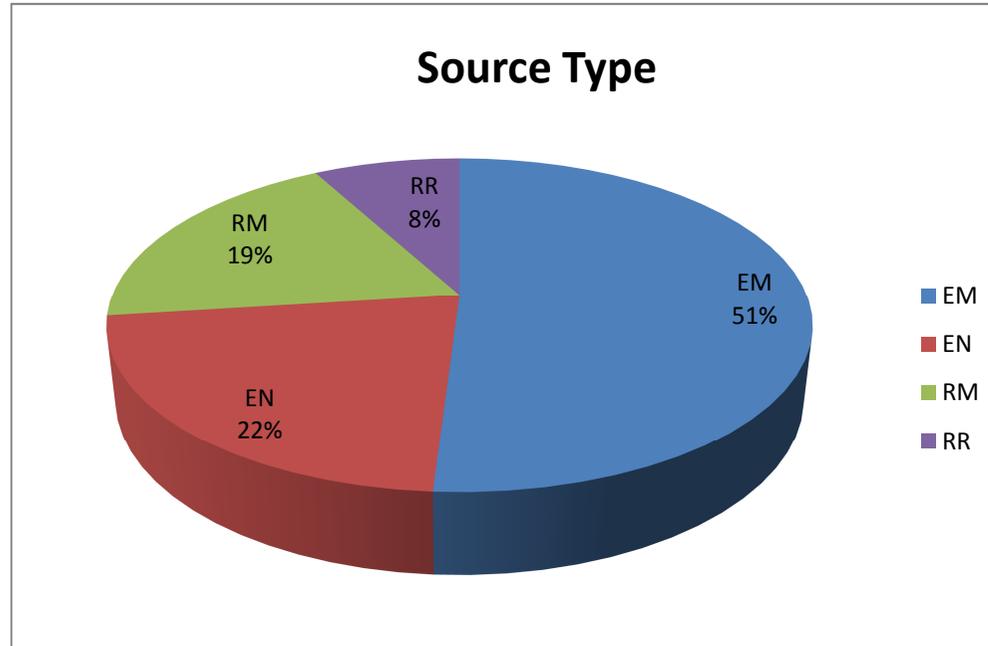
Difficulty	Count
D	29
E	22
M	49
Grand Total	100



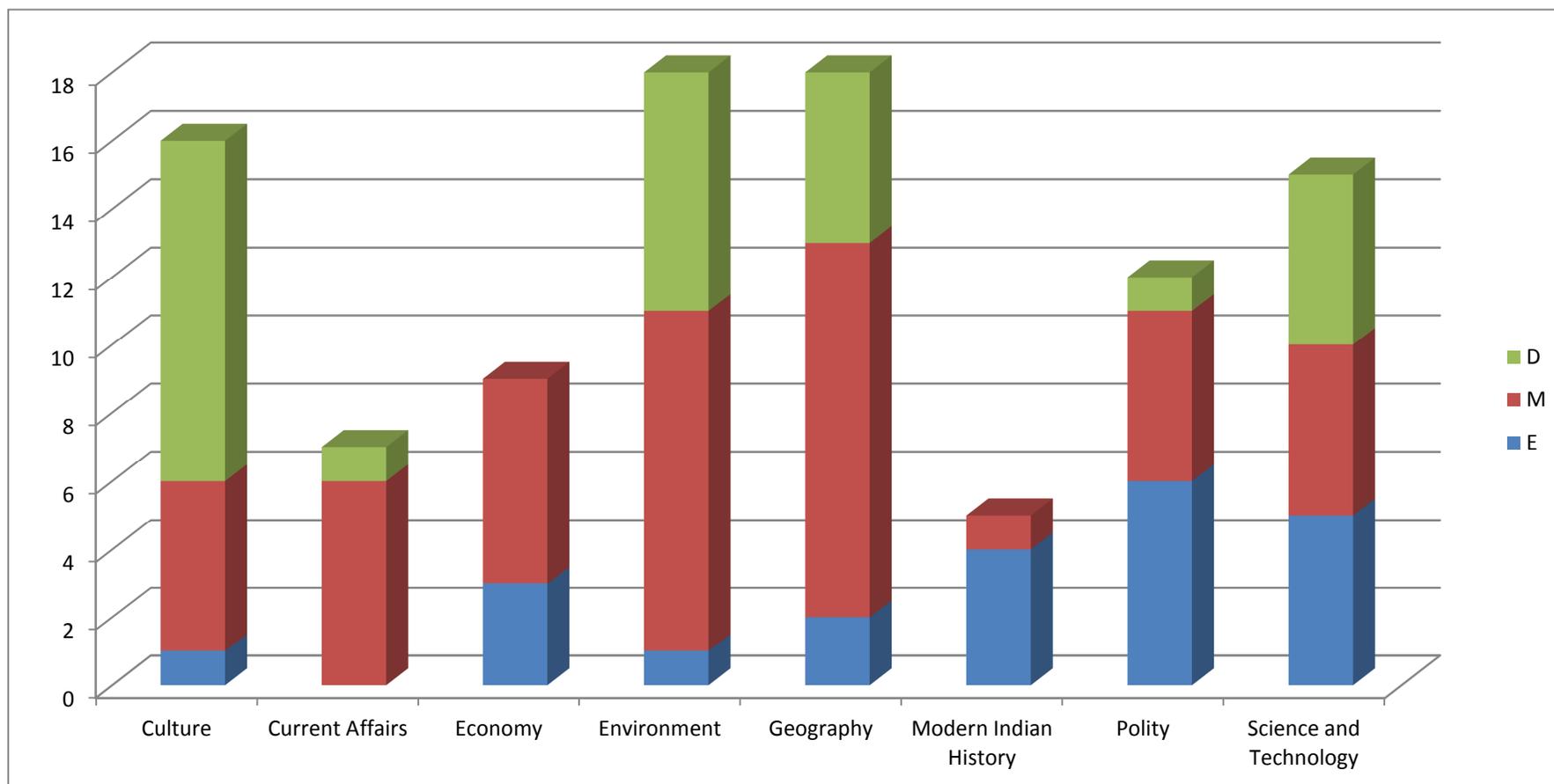
Nature	Count
CA	21
F	47
FA	9
FCA	13
U	10
Grand Total	100



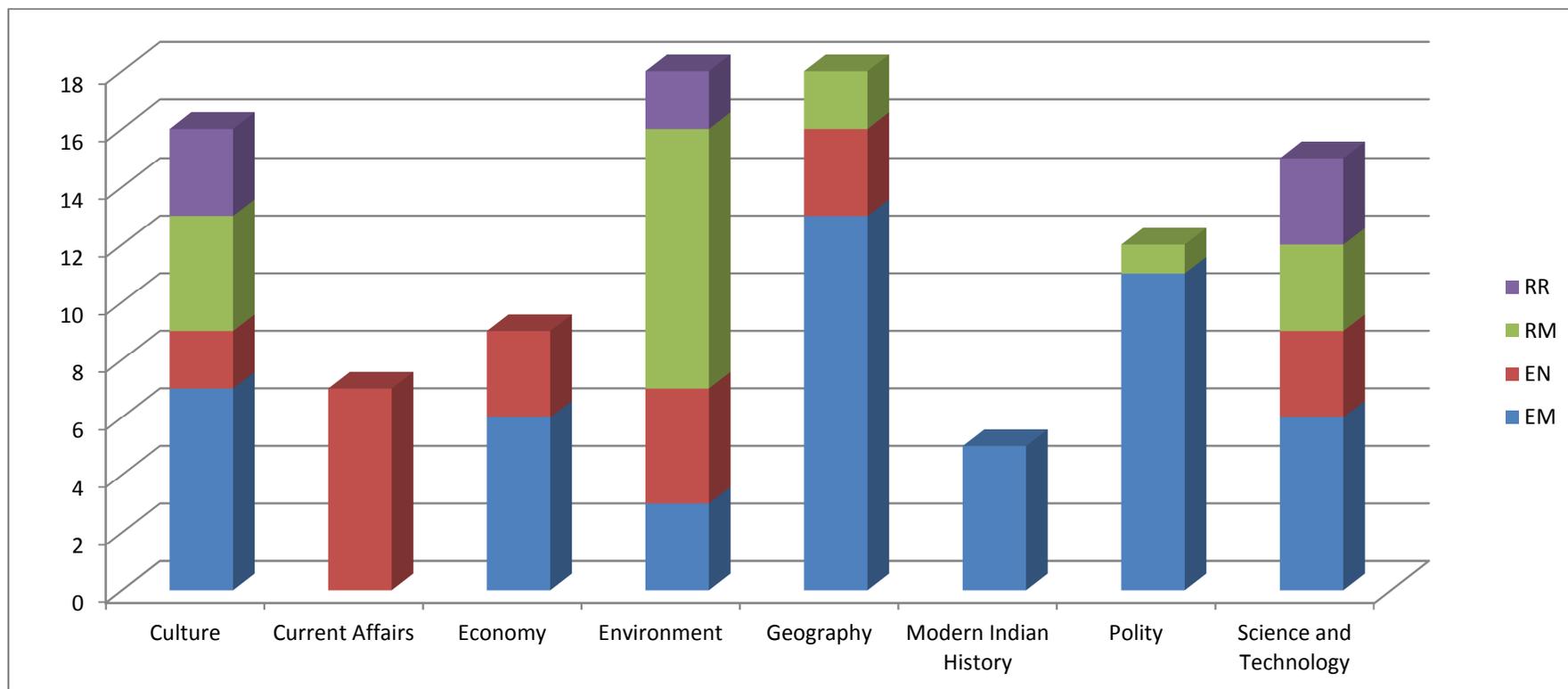
Source	Count
EM	51
EN	22
RM	19
RR	8
Grand Total	100



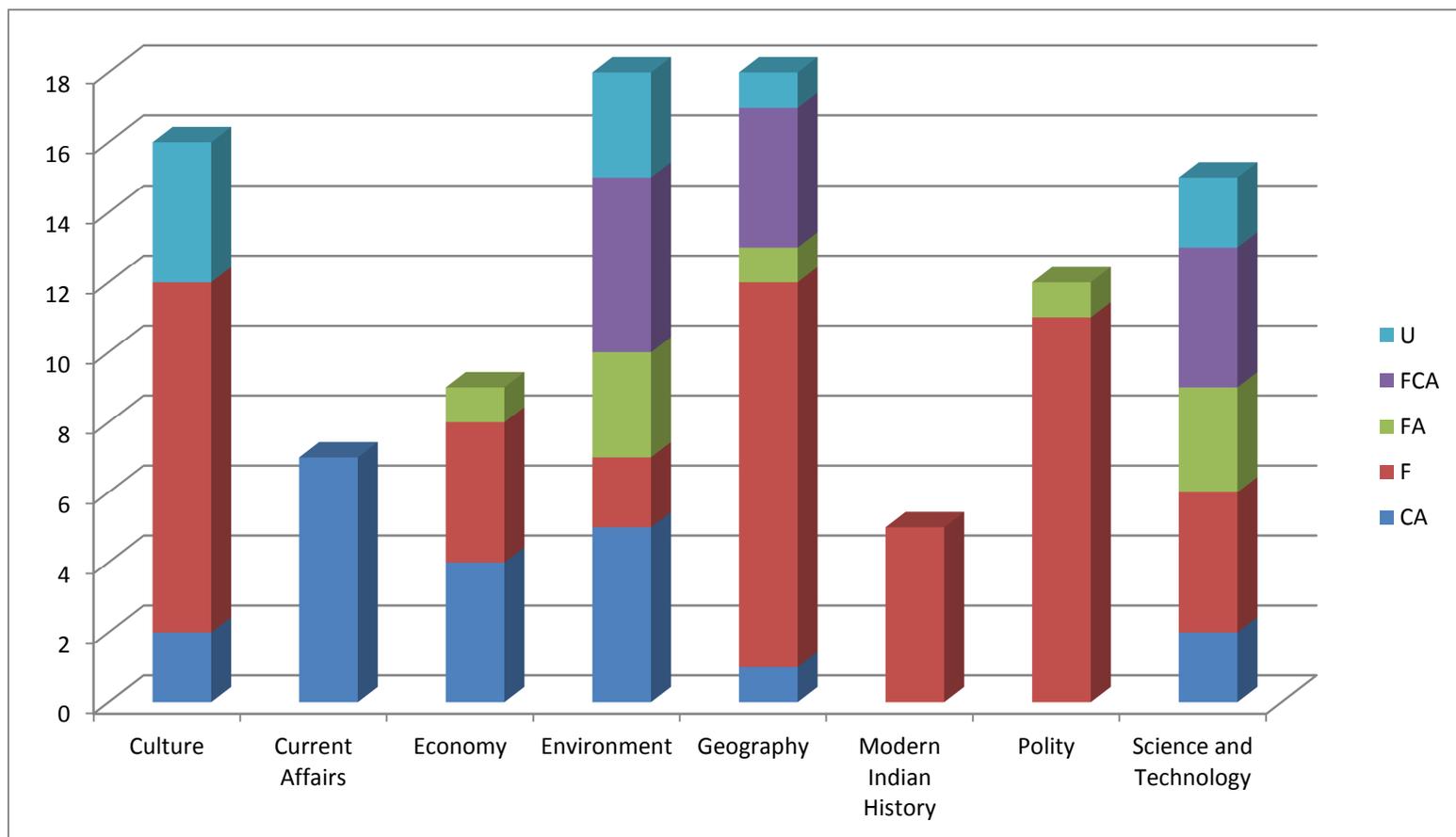
Sectionwise Difficulty		Difficulty	
Section		E	M
Culture			1
Current Affairs			6
Economy		3	6
Environment		1	10
Geography		2	11
Modern Indian History		4	1
Polity		6	5
Science and Technology		5	5
Grand Total		22	49



Sectionwise Source Type Section	Column Labels				Grand Total
	EM	EN	RM	RR	
Culture	7	2	4	3	16
Current Affairs		7			7
Economy	6	3			9
Environment	3	4	9	2	18
Geography	13	3	2		18
Modern Indian History	5				5
Polity	11		1		12
Science and Technology	6	3	3	3	15
Grand Total	51	22	19	8	100



Sectionwise Nature	Column Labels					Grand Total		
	Nature	CA	F	FA	FCA		U	
Culture		2	10			4	16	
Current Affairs		7					7	
Economy		4	4	1			9	
Environment		5	2	3		5	3	18
Geography		1	11	1		4	1	18
Modern Indian History			5					5
Polity			11	1				12
Science and Technology		2	4	3		4	2	15
Grand Total		21	47	9	13	10	100	



EM = Essential material like basic books etc.
 RM = Reference material
 EN = Essential News/Current Affairs
 RR = Random Read like random website etc.
 E : Easy , M : Medium , D : Difficult

Nature of Question
F: Fundamental , Conventional and conceptual question which is easily available in commonly recommended books. If a current affairs source is mentioned then it indicate that you had one more reason to prepare this
FA: Fundamental Applied question is an analytical question which require information + application of mind. Answer to these question are from commonly recommended books but not so obvious to find.
CA: Current affair question which can be answered almost completely using given source alone.
CAA(Current affair Applied): Current affair question which needs information from more than one source to answer AND/OR application of mind(common sense and overall understanding) of aspirant. This is why source for these question may not be answering question completely.
FCA (Fundamental + Current affair): This is a F or FA question supplemented with current affairs or a current affairs question that needs background information for complete answer. Source to these question might not answer question in entirety.
U (unconventional question): unconventional question means the question that is distantly related to syllabus provided by UPSC. It is neither present in even reference sources(in addition to recommended books) nor prominently in news.