

SET - A

1. B	2.D	3. C	4.B	5. A
6. C	7. A	8. D	9. C	10.A
11. C	12. D	13. D	14. D	15. C
16. A	17. C	18. D	19. A	20. B
21. B	22. B	23. A	24. B	25. B
26. D	27. D	28. A	29. A	30. A
31. C	32. A	33.A	34. C	35. B
36.B	37. B	38. B	39. A	40. B
41. C	42. D	43. C	44. B	45. C
46. B	47. C	48. C	49. C	50. A
51. C	52. C	53. B	54. A	55. D
56. C	57. C	58. C	59. C	60. D
61. A	62. D	63. B	64. B	65.A
66. B	67. D	68. D	69. C	70. D
71. B	72. A	73. B	74. C	75. C
76. D	77. A	78. C	79. A	80. B
81. B	82. B	83. B	84. D	85. A
86. B	87. D	88. C	89. B	90.C
91. B	92. C	93. B	94. A	95. A
96. C	97. C	98. A	99. D	100. B



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EXPLANATION

1. The Indian National Congress (INC) won 364. Only two other parties won double digit seats. The CPI with 16 seats and the Socialist Party with 12 seats. The Congress polled closed to 45% of the total vote. The Bharatiya Jan Sangh (BJS), the previous avatar of the BJP won only 3 seats. Independents won the second highest number of seats after Congress. Jawaharlal Nehru was elected the Prime Minister.

In the Lok Sabha, the party should secure a minimum of 1/10th of the total strength of the House to be recognized as the Leader of the Opposition.

2. The Central Pollution Control Board (CPCB) of India is a statutory organization under the Ministry of Environment, Forest and Climate Change. It was established in 1974 under the Water (Prevention and Control of Pollution) Act, 1974. CPCB is also entrusted with the powers and functions under the Air (Prevention and Control of Pollution) Act, 1981.

5. The validity of a place in Ninth Schedule is subject to judicial review on the grounds “Violation of the Basic Structure of the Constitution”.

6. What is Merchant Discount Rate?

MDR is a fee charged from a merchant by a bank for accepting payments from customers through credit and debit cards in their establishments. MDR compensates the card issuing bank, the lender which puts the PoS terminal and payment gateways such as Mastercard or Visa for their services. MDR charges are usually shared in pre-agreed proportion between the bank and a merchant and is expressed in percentage of transaction amount.

8. The Finance Act, 2016 (FA) in the chapter VIII (comprising clauses 163 to 180) has introduced a new tax i.e “equalization levy” on consideration received or receivable for any specified services. It is levied on specified services by Internet companies - the only specified service is Advertisements;

The 2ubsidized2n levy is on transaction, and hence different from income tax and has been imposed through statutory provisions outside the existing Income-tax Act. Since

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it is not an income tax, if a non-resident company supplying the 'specified services' and paying 3subsidized3n levy is also paying income tax in its residence country, it will not be able to claim income tax credit for the 3subsidized3n levy paid and this will result in double taxation.

9. The Union government, which has larger domestic liabilities of 49.23% of GDP as compared to that of the States (21% of GDP); Art. 293(3).

10. The domestic requirement of edible oil in the country around 25 million MT, the total production of the same is just about nine million MT. The entire gap is being met through imports which amounts to approximately Rs 70,000 to Rs 75,000 crore per annum

India has increased import duties on various edible oils ranging between 60% to even 100% on some oils like crude palm oil. With prices of oilseeds plunging way below the minimum support price levels and oilseed crushing industry too facing competition from cheaper imports, the industry had been demanding restrictions on import of edible oils in the country.

12. As per the provisions of Sections 27 and 28(Enrolment and Update) Regulations, 2016, a person's Aadhaar can be cancelled or deactivated if multiple Aadhaars have been issued, or there are discrepancies in the biometric data or supporting documents.

16. Capital Adequacy Ratio (CAR) is the ratio of a bank's capital in relation to its risk weighted assets and current liabilities. It is decided by central banks and bank regulators to prevent commercial banks from taking excess leverage and becoming insolvent in the process.

22. Thang Ta – is an ancient Manipuri Martial Art developed from the war environment of Manipur & created by the Meitei

23. The Food Safety and Standards Authority of India (FSSAI) has been established under Food Safety and Standards , 2006 which consolidates various acts & orders (Various central Acts like Prevention of Food Adulteration Act,1954,Fruit Products Order , 1955, Meat Food Products Order,1973, Vegetable Oil Products (Control) Order, 1947,Edible Oils Packaging (Regulation)Order 1988, Solvent Extracted Oil, De- Oiled Meal and Edible Flour (Control) Order, 1967, Milk and Milk Products Order, 1992 etc will be repealed after commencement of FSS Act, 2006).

Food Safety and Standards Authority of India (FSSAI) is an autonomous body established under the Ministry of Health & Family Welfare, Government of India.

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24. The two-state solution has for decades been the primary focus of efforts to achieve peace in the Israeli-Palestinian conflict.

25. Upto 75% of the rural population and 50% of the urban population will be covered under TPDS, with uniform entitlement of 5 kg per person per month. Foodgrains under TPDS will be made available at subsidized prices of Rs. 3/2/1 per kg for rice, wheat and coarse grains for a period of three years from the date of commencement of the Act.

Pregnant women and lactating mothers and children in the age group of 6 months to 14 years will be entitled to meals as per prescribed nutritional norms under Integrated Child Development Services (ICDS) and Mid-Day Meal (MDM) schemes. Higher nutritional norms have been prescribed for malnourished children upto 6 years of age.

26. The WTO Agreement on Trade-Related Aspects of Intellectual Property Rights (“TRIPS”) defines “geographical indications” as indications that identify a good as “originating in the territory of a Member, or a region or locality in that territory, where a given quality, reputation or other characteristic of the good is essentially attributable to its geographic origin.”

29. Bangalore – 77.5946° E; Delhi – 77.1025° E

30. The Union Cabinet chaired by the Prime Minister Shri Narendra Modi has given its approval for ratification of the two fundamental conventions of the International Labour Organization namely, Minimum Age Convention (No 138) concerning minimum age for admission to employment and the Worst Forms of Child Labour Convention (No 182) concerning the prohibition and immediate action for elimination of the worst forms of Child Labour.

31. 110(1)...a Bill is deemed to be a Money Bill if it contains only provisions dealing with all or any of the following matters, namely:

(a) the imposition, abolition, remission, alteration or regulation of any tax;

(b) the regulation of the borrowing of money or the giving of any guarantee by the Government of India, or the amendment of the law with respect to any financial obligations undertaken or to be undertaken by the Government of India;

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© *the custody of the Consolidated Fund or the Contingency Fund of India, the payment of moneys into or the withdrawal of moneys from any such fund;*

(d) *the appropriation of moneys out of the Consolidated Fund of India;*

(e) *the declaring of any expenditure to be expenditure charged on the Consolidated Fund of India or the increasing of the amount of any such expenditure;*

(f) *the receipt of money on account of the Consolidated Fund of India or the public account of India or the custody or issue of such money or the audit of the accounts of the Union or of a State;*

Or (g) *any matter incidental to any of the matters specified in sub-clauses (a) to (f).*

32. Value of the vote of an MLA = Total Population of State

Total number of elected members in the State

33. Value of the vote of an MP = Total value of votes of all MLA's of all states

Total number of elected members of the Praliament

Therefore, there is no difference between the values of Loksabha MP Vote and Rajyasabha MP vote.

35. The Global Alliance for Climate-Smart Agriculture (GACSA), was launched on 23 September 2014 at the UN Climate Summit. GACSA is an independent alliance, governed by its members through a Strategic Committee and its co-Chairs. Since the 1 January FAO is hosting the Facilitation Unit of GACSA with is supported through a multi donor trust fund.

The Forum will be a dynamic gathering, where the participants share solutions, discuss challenges, and build partnerships on climate-smart agriculture.

37. Kirkuk – IRAQ; Mosul- IRAQ.

39. Whenever, the Legislative Assembly dissolves, the Speaker does not vacate his office and continues till the newly-elected Legislative Assembly meets.

40. The relationship between law and liberty is very much controversial in nature and unanimous of opinion is never reached on this vital question. Some philosophers like John Locke opines that law creates a condition, a congenial atmosphere for the enjoyment of liberty. But the contrary view is held by a galaxy philosophers and eminent scholars like Hobbes, Spencer, and Prof. A.V. Dicey etc. To Prof. A.V. Dicey

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“the more there is one the less there is the other”. Anarchist philosophers like Proudhon, Goodnow, Bacunm, Kropotkin etc. have gone to the extent of propounding for the abolition of state in order to attain greater freedom.

41. After giving two month’s notice, civil proceedings can be instituted against him during his term of office in respect of his or personal acts.

42. Bani Thani is an Indian miniature painting painted by Nihâl Chand from the Marwar school of Kishangarh. It portrays a woman who is elegant and graceful.

43. The Terminal High Altitude Area Defense, or simply abbreviated as THAAD, is a missile defence system that is designed to intercept and destroy short and medium-range ballistic missiles in their final flight phase. First proposed in 1987 and then finally deployed in 2008, the THAAD cannot be used as a form of attack against an enemy. Its role, by use of a powerful radar, is to simply track and destroy missiles before they are launched.

In what China and North Korea have continually called as an act of aggression, the US began delivering the Terminal High Altitude Area Defense (THAAD) system for deployment in South Korea.

45. Nothing is above law. People or subjects are bound by the law and are subject to the limits laid by it.

49. Human Capital is a measure of the skills, education, capacity and attributes of labour which influence their productive capacity and earning potential.

- Individual human capital – the skills and abilities of individual workers
- Human capital of the economy – The aggregate human capital of an economy, which will be determined by national educational standards.

52. The commercialization of Indian agriculture started post 1813 when the Industrial revolution in England gained pace. Commercialization of agriculture became prominent around 1860 A.D – during American Civil War which boosted demand for cotton from India to Britain as America was not able to export cotton.

53. Sujani (also known as Sujini) is a form of embroidery originating from the Bhusura village of Bihar in India.

Uppada Jamdani Sari is a silk sari style woven in Uppada of East Godavari district in the State of Andhra Pradesh.

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56. A Government Security (G-Sec) is a tradeable instrument issued by the Central Government or the State Governments. It acknowledges the Government's debt obligation. Such securities are short term (usually called treasury bills, with original maturities of less than one year) or long term (usually called Government bonds or dated securities with original maturity of one year or more). In India, the Central Government issues both, treasury bills and bonds or dated securities while the State Governments issue only bonds or dated securities, which are called the State Development Loans (SDLs). G-Secs carry practically no risk of default and, hence, are called risk-free gilt-edged instruments.

Treasury bills or T-bills, which are money market instruments, are short term debt instruments issued by the Government of India and are presently issued in three tenors, namely, 91 day, 182 day and 364 day. Treasury bills are zero coupon securities and pay no interest. They are issued at a discount and redeemed at the face value at maturity.

57. The Earth's magnetic field is generated within the liquid core of our planet, by the slow churning of molten iron. Like the atmosphere and oceans, the way in which it moves is governed by the laws of physics.

The atmosphere has not always been the same. It has been much the same, but nevertheless now contains more nitrogen and oxygen, and less carbon dioxide, than it did when the earth first formed.

The early atmosphere was probably mostly carbon dioxide, with little or no oxygen. There were small quantities of water vapour, ammonia and methane. As the Earth cooled down, most of the water vapour condensed and formed the oceans.

The proportion of oxygen went up because of photosynthesis by plants.

The proportion of carbon dioxide went down because:

- it was locked up in sedimentary rocks, such as limestone, and in fossil fuels
- it was absorbed by plants for photosynthesis
- it dissolved in the oceans

59. Conservation Agriculture is a set of soil management practices that minimize the disruption of the soil's structure, composition and natural biodiversity.



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61. IRNSS is an independent regional navigation satellite system being developed by India. It is designed to provide accurate position information service to users in India as well as the region extending up to 1500 km from its boundary, which is its primary service area.

62. Light *does* bend when travelling around massive bodies like neutron stars and black holes. This is explained by Einstein's theory of general relativity.

The General Theory of Relativity, which describes how gravity affects the shape of space and flow of time. Imagine a stretched-out sheet. If you place a bowling ball in the middle of the sheet, the sheet will warp as the weight of the ball pushes down on it. If you place a baseball on the same sheet, it will roll towards the bowling ball. This is a simple design, and space doesn't act like a two-dimension bed sheet, but it can be applied to something like our solar system -- more massive objects like our sun can warp space and affect the orbits of the surrounding planets. The planets don't fall into the sun, of course, because of the high speeds at which they travel.

63. GM Mustard called DMH -11 is transgenic mustard had been developed by a team of scientists Centre for Genetic Manipulation of Crop Plants at Delhi University led by former Vice-Chancellor Deepak Pental under Government sponsored project. It is genetically modified variety of Herbicide Tolerant (HT) mustard. It was created by using "barnase/barstar" technology for genetic modification by adding genes from soil bacterium that makes mustard self-pollinating. DMH -11 contains three genes viz. Bar gene, Barnase and Barstar sourced from soil bacterium. The bar gene had made plant resistant to herbicide named Basta.

64. The High Energy Accelerator Research Organisation (KEK) completed the 'rolling-in' of the Belle-II experiment in Tsukuba, Japan. This experiment is designed to study violations of the Standard Model of particle physics.

Genome editing (also called gene editing) is a group of technologies that give scientists the ability to change an organism's DNA. These technologies allow genetic material to be added, removed, or altered at particular locations in the genome. Several approaches to genome editing have been developed. A recent one is known as CRISPR-Cas9, which is short for clustered regularly interspaced short palindromic repeats and CRISPR-associated protein 9.

65. The carbon fertilization effect (CFE) is in principle simple: the larger amount of carbon dioxide in the atmosphere that has resulted from rising anthropogenic emissions should help the growth of plants, which use carbon dioxide during photosynthesis. The effect ought to increase crop yields – and that is some good news

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for farmers, amid the overwhelmingly gloomy forecasts for other aspects of climate change.

66. The interconnection via the Internet of computing devices embedded in everyday objects, enabling them to send and receive data.

71. Sthānakavāsī is a sect of Śvētāmbara Jainism founded by a merchant named Lavaji in 1653 AD. It believes that idol worship is not essential in the path of soul purification and attainment of Nirvana/Moksha.

77. Kodaikanal Lake, also known as Kodai Lake is a manmade lake located in the Kodaikanal city in Dindigul district in Tamil Nadu. Sir Vere Henry Levinge, the then Collector of Madurai, was instrumental in creating the lake in 1863.

80. ARYA SAMAJ – 1875; Nil Darpan is a Bengali play written by Dinabandhu Mitra in 1858–1859; Anandmath – 1882; Satyendranath Tagore became the first Indian to succeed in the Indian Civil Services Examination – 1863.

83. A strong relationship exists between soil texture, soil organic matter and soil water holding capacity. It was concluded that clay soil retain more water than the sandy soil and addition of soil organic matter could increase the soil water holding capacity.

The sulfur cycle contains both atmospheric and terrestrial processes. Within the terrestrial portion, the cycle begins with the weathering of rocks, releasing the stored sulfur. The sulfur then comes into contact with air where it is converted into sulfate (SO₄). The sulfate is taken up by plants and microorganisms and is converted into organic forms; animals then consume these organic forms through foods they eat, thereby moving the sulfur through the food chain. As organisms die and decompose, some of the sulfur is again released as a sulfate and some enters the tissues of microorganisms. There are also a variety of natural sources that emit sulfur directly into the atmosphere, including volcanic eruptions, the breakdown of organic matter in swamps and tidal flats, and the evaporation of water.

85. The Barren Island, about 140 km from Port Blair (South Andaman); India's only active volcano — the Barren Island volcano — in the Andaman and Nicobar Islands again spewed lava and ash in 2017 (February).

88. The UNFCCC secretariat launched its Climate Neutral Now initiative in 2015. The following year, the secretariat launched a new pillar under its Momentum for Change initiative focused on Climate Neutral Now, as part of larger efforts to showcase successful climate action around the world.



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To achieve climate neutrality, we must measure what we emit and then reduce those emissions. Even with our best efforts to reduce, daily activities and business operations will result in unavoidable emissions. This is why offsetting, only after measuring and reducing, is key for climate neutrality.

89. Sanskrit College at Benaras - Jonathan Duncan; Fort William College- Richard Wellesley.

95. PSLV - A Sun-synchronous orbit (SSO, also called a heliosynchronous orbit) is a nearly polar orbit around a planet, in which the satellite passes over any given point of the planet's surface at the same local mean solar time.

GSLV Mk III is a three-stage heavy lift launch vehicle developed by ISRO. The vehicle has two solid strap-ons, a core liquid booster and a cryogenic upper stage.

98. As per the forest rights act, “habitat” refers to customary habitat in reserved forests and protected forests of primitive tribal groups and pre-agricultural communities, and the act provides for recognition of their habitat rights. The government of Madhya Pradesh recognised the habitat rights of seven villages in Dindori district, mostly inhabited by the Baigas.

IAS BRAINS