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RRB ALP EXAM 2018

The Comprehensive Neurosurgery Board Preparation Book

Illustrated Questions and Answers

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महाराष्ट्राचे मुख्यमंत्री

यशवंतराव चव्हाण (काँग्रेस)

May 1, 1960 to Nov 19, 1962

मारोतराव कन्नमवार (काँग्रेस)

Nov 20, 1962 to Nov 24, 1963

पी.के.सावंत (काँग्रेस)

Nov 25, 1963 to Dec 4, 1963

वसंतराव नाईक (काँग्रेस)

Dec 5, 1963 to Mar 1, 1967

Mar 1, 1967 to Mar 13, 1972

Mar 13, 1972 to Feb 20, 1975

शंकरराव चव्हाण (काँग्रेस)

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वसंतदादा पाटील (काँग्रेस)

Apr 17, 1977 to Mar 2, 1978

Mar 7, 1978 to Jul 18, 1978

शरद पवार (काँग्रेस)

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सुधाकरराव नाईक (काँग्रेस)

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नारायण राणे (शिवसेना)

Feb 1, 1999 to Oct 17, 1999

विलासराव देशमुख (काँग्रेस)

Oct 18, 1999 to Jan 16, 2003

सुशीलकुमार शिंदे (काँग्रेस)

Jan 18, 2003 to Oct 30, 2004



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Effect of Land-uses on Physico-Chemical Properties and Nutrient Status of Surface (0-15 cm) and Sub-Surface (15-30 cm) Layers in Soils of South-Western Punjab, India

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ABSTRACT

The present study was conducted to assess the effect of three agricultural land-uses viz. cropland, horticultural land and uncultivated land on soil quality and fertility status. Soil samples were collected from south-western plains of Punjab which is classified under semi-arid climate. Samples were analysed for assessment of some selected soil physico-chemical properties as well as macro and micro nutrient status. Results of the investigation reported that soil samples of the study area are slightly alkaline and non-saline in nature. Textural class observed as sandy loam in cropland and horticultural land while it was loamy sand under uncultivated land. Highest water stable aggregate (WSA) percentage was recorded under horticultural land and least was in case of uncultivated land at both 0-15 and 15-30 cm depths. Depth-wise increase in soil aggregation was also noted. Horticulture had highest soil organic carbon (SOC) concentration both in surface (8.91 g kg soil⁻¹) and sub-surface soil (5.75 g kg soil⁻¹). Available nitrogen (N) content followed a trend horticulture > cropland > uncultivated land but a different trend of cropland > horticultural land > uncultivated land was found in case of phosphorus (P) and potassium (K) availability in surface soil. In both soil depths cropland and horticultural land were found statistically at par with respect to available N, P and K contents. Highest available micro-nutrients were recorded under horticulture which was measured lowest in case of uncultivated land. All the macro and micro nutrients exhibited significant positive correlation among themselves. Negative correlation between SOC and BD ($r = -0.096$) was observed while WSA was found highly correlated with SOC ($r = 0.681$, $p = 0.01$) and clay content ($r = 0.681$, $p = 0.01$). Micro-nutrients also exhibited significant positive correlations both with clay content and SOC.

Keywords
Land-uses, soil quality, soil fertility, physico-chemical properties, soil nutrient status

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Introduction
Due to continuous degradation of natural resources maintenance of sustainability of environment has become a serious concern in recent years. A system is considered sustainable when it improves or maintains the quality of lithosphere, hydrosphere and atmosphere. Soil is an important non-renewable natural resource which has to be kept productive and healthy as because a major part of agricultural productivity depends on it. The main objective of sustainable agriculture is to maintain or improve the productivity without hampering the soil quality. Soil quality may be defined as

Jump to navigation List of current Chief Ministers of India; Image Credits: GettyAfter the recent Assembly Elections 2018, the Indian National Congress (INC) on Saturday has announced that it has captured the power in three vital states of India--Madhya Pradesh, Rajasthan, and Chhattisgarh. With the rounds of discussions and top-level meetings, the Congress has appointed new Chief Ministers in these states after their major victory. Who is a Chief Minister in India? According to the Indian Constitution, a Chief Minister is the elected head of the council of ministers in a state. In simpler words, the one who controls, rules or handles the functions of a particular state. The candidate who becomes Chief Minister oversees the day-to-day functioning of the state government. A CM is assisted by the council of ministers, which consists of cabinet ministers and deputy ministers -- among others. With the help of media, the CM is responsible for communicating all policies and decisions to the people of the state. Difference between Chief Minister and Governor The Chief Minister is vested with the 'de facto' executive powers and Governor is the official 'head of the state'. The CM is appointed, and sworn in, by the Governor of the state. Here's a list of current Chief Ministers in India.1. Nara Chandrababu Naidu - Andhra Pradesh Andhra Pradesh's CM, Nara Chandrababu Naidu. Nara Chandrababu Naidu was born on April 20, 1950, Naravarpalli, near Tirupati, India. He is an Indian politician who was the Chief Minister of Andhra Pradesh from 1995 to 2004 before he was again appointed as CM in 2014.2. Pema Khandu - Arunachal Pradesh Arunachal Pradesh's CM, Pema Khandu. Pema Khandu is an Arunachalese politician and the Chief Minister of Arunachal Pradesh. He is a graduate from Hindu College, Delhi University, and is the youngest CM of India.3. Sarbananda Sonowal - Assam Assam's CM, Sarbananda Sonowal. Sarbananda Sonowal is the 14th Chief Minister of Assam. He is a BJP member and represents Majuli constituency in Assam's state legislative assembly. He was Union Minister for Sports and Youth Affairs under Narendra Modi-led NDA government from 2014 to 2016.4. Nitish Kumar - Bihar Bihar's CM, Nitish Kumar. Nitish Kumar has become the third Chief Minister of Bihar. He has held the position since 2005. He was successfully appointed more than one lakh school teachers during his tenure as Chief Minister of Bihar.5. Bhupesh Baghel - Chhattisgarh Chhattisgarh's CM, Bhupesh Baghel. Born in 1961, Bhupesh Baghel has become the third Chief Minister of the state according to Doordarshan News. Baghel managed to pip other three contenders -- TS Singh Deo, Tamradhwaj Sahu and Charan Das Mahant for the top post of the state in the Assembly Elections 2018. He has taken over the position of Raman Singh who served Chhattisgarh as CM from December 7, 2003, to December 11, 2018. Congress has ended the 15-year-old regime of Raman Singh by appointing Baghel as a new CM.6. Vacant (under Governor's rule) - Jammu and Kashmir Former CM Mehbooba Mufti with current Governor of Jammu and Kashmir NN Vohra. (Image: PTI) Mehbooba Mufti served as the Chief Minister of Jammu and Kashmir from April 4, 2016, but later resigned on June 19, 2018. She sent her resignation to NN Vohra, the current governor of the state because BJP withdrew its support from the People's Democratic Party. Currently, the seat of CM in the state is vacant. However, now Jammu and Kashmir have Kavinder Gupta as a new deputy CM, replacing BJP's Nirmal Singh.7. Manohar Parrikar - Goa Goa's CM, Manohar Parrikar. Manohar Parrikar is the current Chief Minister of Goa. He was appointed as CM on March 14, 2017, till March 17, 2019, when he passed away from pancreatic cancer. He is a leader of Bharatiya Janata Party. He was earlier a member of the Rajya Sabha from Uttar Pradesh but resigned after the 2017 Goa Legislative Assembly election to become Chief Minister of Goa.8. Vijaybhai R Rupant - Gujarat Gujarat's CM, Vijaybhai R Rupant. Vijaybhai R Rupant is currently the Chief Minister of Gujarat. He represents Rajkot West Assembly constituency in Gujarat's state legislative assembly. He is a Bachelor of Arts degree holder. He is the only minister in the present cabinet of Gujarat who was arrested during the Emergency era.9. Manohar Lal Khattar - Haryana Haryana's CM, ML Khattar. (Image: Getty) Manohar Lal Khattar is the current Chief Minister of Haryana and belongs to the Bharatiya Janata Party (BJP). Khattar started his political career in 1977 by joining the RSS at the young age of 24 years. Also read: Health ministry finally implements HIV/AIDS Act 2017: All you need to know.10. Jai Ram Thakur - Himachal Pradesh Himachal Pradesh's CM, Jai Ram Thakur. Jai Ram Thakur is the current Chief Minister of Himachal Pradesh. On December 24, he became a BJP legislative party leader after defeating Prem Kumar Dhuma. On December 27, 2017, he became the 13th CM of the state.11. Raghubar Das - Jharkhand Jharkhand's CM, Raghubar Das. (Image: Getty) Raghubar Das is the 10th Chief Minister of Jharkhand. He is the first non-tribal chief minister in the state's 14-year history. He was sworn in as the Jharkhand's Chief Minister on December 28, 2014.12. HD Kumaraswamy - Karnataka Karnataka's CM, HD Kumaraswamy. (Image: Getty) HD Kumaraswamy is the current CM of Karnataka. He was elected to the Karnataka Assembly from Channarayana and Ramanagara Assembly Constituency. HD Kumaraswamy is the son of former Prime Minister of India HD Deve Gowda and Chennamma.13. Pinarayi Vijayan - Kerala Kerala's CM, Pinarayi Vijayan. (Image: Getty) Pinarayi Vijayan is the current Chief Minister of Kerala. He was sworn-in as the 12th Chief Minister of Kerala on May 25, 2016. He got elected to the Kerala Legislative Assembly in 1970, 1977, 1991 and 1996.14. Kamal Nath - Madhya Pradesh Madhya Pradesh's CM, Kamal Nath. Born on November 18, 1946, in Kanpur, Uttar Pradesh, Kamal Nath has taken the oath as the Chief Minister of Madhya Pradesh on December 17, 2018. He completed his graduation in B Com from St. Xavier's College, Kolkata, West Bengal. In the Assembly Elections 2018, Kamal Nath has taken over the position of Shivraj Singh Chouhan who belongs to the Bharatiya Janata Party.15. Devendra Fadnis - Maharashtra Maharashtra's CM, Devendra Fadnis. (Image: Getty) Devendra Gangadhar Fadnis took an oath of office on October 31, 2014, at Wankhede Stadium in Mumbai. He became the second youngest Chief Minister of the state at the age of 44. He was also awarded the Best Parliamentarian Award by Commonwealth Parliamentary Association in 2002-03.16. N Biren Singh - Manipur Manipur's CM, Nongthombam Biren Singh. (Image: Getty) Nongthombam Biren Singh was born on January 1, 1961. Apart from being a politician, he is also a former footballer and journalist. He is the present Chief Minister of Manipur. In March 2017, he was elected as the leader of the BJP Legislatures Party of Manipur and was sworn in as Chief Minister of Manipur on March 15, 2017.17. Conrad Kongkal Sangma - Meghalaya Meghalaya's CM, Conrad Kongkal Sangma. Conrad Kongkal Sangma is the current Chief Minister of Meghalaya. He was declared the Chief Minister by swearing in on March 6, 2018. He also presented his first budget within 10 days of being the CM of Meghalaya.18. Pu Zoramthanga - Mizoram Mizoram's CM, Zoramthanga. Born on July 13, 1944, Pu Zoramthanga, the new Chief Minister of Mizoram is the leader of Mizo National Front. Earlier, Zoramthanga has served this position from December 4, 1998, to December 9, 2008, for two consecutive terms. He was administered the oath of office and secrecy by Governor K Rajasekharan during a ceremony at Raj Bhavan in Aizawl. At 74, he has dethroned Pu Lalthanhawla, the former Chief Minister of Mizoram who held this post for 10 years starting from December 2008 to December 2018.19. Neiphiu Rio - Nagaland Nagaland's CM, Neiphiu Rio. (Image: Getty) Neiphiu Rio is Nagaland's current Chief Minister. He previously also served as CM of the state for three consecutive terms during 2003-08, 2008-13 and 2013-14. In 1989, he got elected to Nagaland Assembly from Northern Angami-II constituency as a Congress candidate.20. Naveen Patnaik - Odisha Odisha's CM, Naveen Patnaik. Naveen Patnaik is the 14th and incumbent Chief Minister of Odisha. He is the founding chief of the Biju Janata Dal (BJD). Naveen Patnaik was honored by the United Nations (UN) for evacuating nearly a million people ahead of the tropical storm Cyclone Phailin that hit coastal Odisha in October 2013.21. Amarinder Singh - Punjab Punjab's CM, Captain Amarinder Singh. (Image: Getty) Captain Amarinder Singh is the 26th Chief Minister of Punjab. Prior to this, he served as Chief Minister of Punjab from 2002-2007. Amarinder Singh was introduced to Congress by Rajiv Gandhi and was first elected to the Lok Sabha in 1980.22. Ashok Gehlot - Rajasthan Rajasthan's CM, Ashok Gehlot. Ashok Gehlot was born on May 3, 1951, and his educational qualifications are BSc, M.A. (Economics), LLB. Earlier, he has served as Chief Minister of this state from December 1, 1998, to December 8, 2003, and then again from December 13, 2008, to December 13, 2013. Before Assembly Elections 2018, Vasundhara Raje was the Chief Minister of Rajasthan.23. Pawan Kumar Chamling - Sikkim Sikkim's CM, Pawan Kumar Chamling. Pawan Kumar Chamling was continuously engaged in political activities since 1973 and was actively involved in people's revolution in the same year.24. Thiru Edappadi K Palaniswami - Tamil Nadu Tamil Nadu's CM, Thiru Edappadi K Palaniswami.25. K Chandrashekar Rao - Telangana Telangana's CM, Kalvakuntla Chandrashekar Rao. (Image: Getty) Kalvakuntla Chandrashekar Rao is the first Chief Minister of Telangana state. He is also the founder of the Telangana Rashtra Samithi (TRS) party formed for the cause of a separate state of Telangana. He was born on February 17, 1954, in Siddipet, Medak district of Hyderabad state.26. Biplab Kumar Deb - Tripura Tripura's CM, Biplab Kumar Deb. Biplab Kumar Deb is the current and 10th Chief Minister of Tripura. He has been the state president of Tripura BJP since early 2016. He took his oath as CM on March 9, 2018.27. Yogi Adityanath - Uttar Pradesh Uttar Pradesh's CM, Yogi Adityanath. (Image: Getty) The current CM of Uttar Pradesh Yogi Adityanath's real name is Ajay Singh Bisht. In 1998, he became the youngest member to be elected to the 12th Lok Sabha at 26 years of age. He was born on June 5, 1972.28. Trivendra Singh Rawat - Uttarakhand Uttarakhand's CM, Trivendra Singh Rawat. (Image: Getty) Trivendra Singh Rawat is the current Chief Minister of Uttarakhand. He was appointed as CM of the state in 2017 after winning the Assembly elections. Rawat was an active member of the Rashtriya Swamsevak Sangh during the period of 1979 to 2002.29. Mamata Banerjee - West Bengal West Bengal's CM, Mamata Banerjee. (Image: Getty) Mamata Banerjee is the ninth Chief Minister of West Bengal. She is the first lady to hold the Chief Minister's office in the state. She is the only woman CM to win two consecutive terms. Chief Ministers of Territories of India.1. Arvind Kejriwal - Delhi (NCT) Delhi's CM, Arvind Kejriwal. (Image: Getty) Arvind Kejriwal is the present CM of Delhi. His party (AAP) got a clear majority by winning 67 out of 70 seats in Delhi assembly elections in the year 2015. A former Indian Revenue Service officer, he is famously known for his key role in drafting the Jan Lokpal Bill. Delhi: Governed by multiple authorities including Chief Minister After the Constitution (69th Amendment) Act, 1991 came into force, followed by the Government of National Capital Territory of Delhi Act, 1991, the Union Territory of Delhi officially became the National Capital Territory of Delhi. The Act gave Delhi its own legislative assembly and directed that the administrator thereof appointed shall be designated as the Lieutenant Governor (LG). At present, Delhi is governed by multiple authorities including the CM.2. V Narayanasamy - Puducherry (UT) CM of Puducherry, V Narayanasamy. V Narayanasamy is the current CM of Puducherry. He was born on May 30, 1947. He is associated with the Indian National Congress. He is the 10th Chief Minister of the Union Territory of Puducherry since June 2016. Note: According to a Government website, no other union territories have Chief Ministers. 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