

Ramanathapuram and the only child of Raja Chellamuthu vijayaragunatha Sethupathy and Rani Sakandhimuthal of the Ramnad kingdom.

Rani Velu Nachiyar was trained in weapons usage, martial arts like Valari, Silambam (fighting using stick), horse riding and archery. She was a scholar in many languages and she had proficiency with languages like French, English and Urdu.

With the support of Haider Alis Army, feudal lords, marudhu brothers, Dalit commanders and thandavarayan pillai she fought the East India company.

Statement 2 is correct : Padmaja Naidu, the daughter of Sarojini Naidu was an Indian freedom fighter and politician who was the 5th Governor of West Bengal.

At the age of 21, she co-founded the Indian National Congress in the Nizam ruled princely state of Hyderabad. She was jailed for taking part in the "Quit India" movement in 1942. After Independence, she was elected to the Indian Parliament in 1950. In 1956 she was appointed the Governor of West Bengal. She was also associated with the Red Cross

73. (a)

Statement 1 is correct: Kandla Port situated at the head of Gulf of Kutch has been developed as a major port to cater to the needs of western and north western parts of the country and also to reduce the pressure at Mumbai port. The port is specially designed to receive large quantities of petroleum and petroleum products and fertiliser. The offshore terminal at Vadaras has been developed to reduce the pressure at Kandla port.

Statement 2 is not correct: The Jawaharlal Nehru Port Trust (JNPT) at Navi Mumbai is the premier container handling port in India, accounting for around 50% of the total containerized cargo volume, across the major ports of India. Commissioned on 26th May 1989, in three decades of its operations, JNPT has transformed from a bulk- cargo terminal

to become the premier container port in the country. JNPT is connected to over 200 ports in the world and is ranked 33rd in the list of top 100 Container Ports globally. It is the largest container port in India. Chennai Port is one of the oldest ports on the eastern coast. It is an artificial harbour built in 1859. It is not much suitable for large ships because of the shallow waters near the coast. Tamil Nadu and Puducherry are its hinterland.

Statement 3 is correct: Kochi Port, situated at the head of Vembanad Kayal, popularly known as the 'Queen of the Arabian Sea', is also a natural harbour. This port has an advantageous location being close to the Suez-Colombo route. It caters to the needs of Kerala, southern Karnataka and south western Tamil Nadu.

74. (c)

Statement 1 is correct: There are four states of matter common in everyday life — gases, liquids, solids, and plasmas. However, there is also a fifth state of matter — Bose-Einstein condensates (BECs), which scientists first created in the lab 25 years ago. When a group of atoms is cooled to near absolute zero, the atoms begin to clump together, behaving as if they were one big "super-atom."

Statement 2 is correct: A Bose-Einstein condensate (BEC), known as the fifth state of matter, is a dilute gas of bosonic atoms whose temperature is so low that their wavelength becomes comparable to the distance between one atom and the next. In these circumstances the atoms all occupy the same quantum state and act in unison as a superfluid — so bringing otherwise microscopic wavelike properties into the macroscopic realm.

75. (a)

Statement 1 is correct: The 5000 year old Kukke Subramanya temple is situated on the banks of Kumaradhara river. Here Lord Subrahmanya is worshipped as a snake and pooja is offered to Him, who is merged with serpent king Vasuki. Kukke Subramanya is one of the seven holy places created by Saint Parashurama.