

PYP CV0002 Sem 2 2014-2015

Section A

1. a) (iv)

b) (ii)

c) (iv)

d) (i)

e) (iii)

f) (iii)

g) (ii)

h) (iii)

i) (iii)

j) (ii)

Section B

2. a) Events leading to fall of Roman Empire :

→ technologically stagnant

→ productivity was limited by widespread use of slaves that precluded efforts to develop labor-saving technology


→ engineering advances in the military and transport fields driven by imperial endeavors to invade and fortify cities.

Lessons can Singapore learn :


→ to be aware of complacency in society


→ to diversify industrial products

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2. b) → Development of technological capabilities will help to sustain economic growth by rooting high value-added activities in its economy.
- Strong manufacturing capabilities and efficient services in the economy are defined by superior technology, innovation and human resources.
 - Development of science and technology capabilities will support the upgrading and restructuring of Singapore's existing industry and business clusters.
 - Technology development is needed to reposition Singapore for new emerging clusters.
 - Singapore needs a few prominent industry and business clusters that are sufficiently strong to serve as anchors to enable the economy to perform well.

2. c) The communists took advantages of post-war problems and started to stir up people's feelings against the British. Strikes by trade unions were common. When the communists realised that they had failed to stir up anti-British feelings, they resorted to violent means.

In 1948, the communists attacked the rubber plantations and tin mines in Malaya. A state of Emergency was declared in Malaya and Singapore in June 1948.

After 1954, the communists tried to gain control of important unions and influence the workers and students to go on strikes. The notable one is Hock Lee Bus Riots in 1955 and Chinese Middle School Riots in 1956.

In December 1949, the Special Branch obtained the full list of Singapore Town Committee (STC) and conducted a raid. Some of the committee members were arrested and within a few months most of the members of Malayan Communist Party (MCP) were arrested and caused near collapse of MCP.

By 1955, the communists were no longer a serious threat to the British. In 1989, Merdeka Peace Agreements was signed which marked the end of Communist Party of Malaya's four decade-long campaign of violence and subversion.

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2. d) No, it is not ethical for Engineer A to proceed with his work.

Engineer A should hold paramount the safety, health and welfare of the public.


Since the potential danger is known, Engineer A should not proceed without hiring the expert. Besides that, an engineer should perform services in area of competence. Engineer A is responsible to call for and to obtain the services of a specialist or an expert when required.


Engineer A should advise his client and emphasize the danger of continuing the project without consulting the expert. He can also introduce his colleague who has the knowledge and qualification required and is willing to charge a lower rate to the client.

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3. a) → Raffles devised a set of policies and regulations that outlined the objectives of the harbour that helped establish Singapore as a free port.

→ Raffles' Town Plan : Raffles conceived a town plan to remodel Singapore into a modern city. The plan consisted of separate areas for different ethnic groups and provision of other facilities such as roads, schools and lands for government buildings.

→ Law and order : Raffles instituted a local magistrate which ensured peace and order in the thriving settlement. The provision of the local magistrate led to the abolishment and control of activities such as public gambling, slavery and cock-fighting.

→ The Singapore Institution was established.

→ The first bridge across Singapore River was built.

3. b) In early years of PAP, the leftists found a legal route to power by joining the PAP.

The key event leading to the breakup was the motion of confidence of the government in which many PAP assemblymen crossed party lines. As the result, Barisan Sosialis was formed by the leftist members. Besides that, the Singapore Trade Union Congress was also split into Singapore Association of Trade Unions (SATU) which is formed by the left-wings and National Trade Union Congress (NTUC) formed by the pro-PAP.

In 1963, PAP managed to removed the control of leftists through Operation Coldstore 1963. It was a security operation launched in Singapore on 2 February 1963 in which at least 111 anti-government left-wing activists were arrested and detained under the Internal Security Act. At that time, the leftists strongly opposed the merger with Federation of Malaya.

The operation dealt a heavy blow to Barisan Sosialis, just months before the 1963 general elections. (PAP won 37 out of 51 seats, the Barisan Sosialis 13). SATU was deregistered after its leaders were arrested.

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3. c) Major challenges :

- how to get firms to raise productivity and innovation while keeping costs down
- how can Government manage inflow of foreign workers and incentivize firms to employ more Singaporeans
- What assistance schemes can Government provide for firms to raise productivity and competitiveness
- How can individual Singaporeans keep pace with technological changes and embrace life-long learning
- How can work-life balance be attained through combined effort of Government, employers and employees
- Other emerging issues caused by external environment / global competition

Government :

- increase spending on R & D
- implement schemes that help SMEs grow

Business firms

- try to increase productivity through training, workshop etc.

Individuals

- always keep oneself up-to-date, improve own knowledge and skill, be positive and open minded to accept challenges from foreign workers etc.


3. d) Strategies that Government has adopted :


- Internal Security Act and Religious Harmony Act to safeguard internal security
- promote ethnic self help, MENDAKI, SINDA, CDAC & EAS
- do not neglect the problem of rich and poor divide
- caring for the aged and sick
- emphasize 5Cs : compassion, cohesion, community, contribution and commitment

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- inculcation of care-giving starts from family, school, workplace, community and society, a lifelong personal effort or attribute
- encourage tripartite cooperation of the public sector, private sector and people sector for social cohesion and harmony
- manage and integrate of new immigrants

4. a) John should consider whistle blowing if he has the confidence that there is a potential harm to the public which is serious and considerable. He should also try all the possible channels of redress available within the corporation.

4. b) An action is considered to be practicable when it is capable of being done.

Whether it is also reasonable usually takes into account :

- the severity of any injury or harm that may occur
- the degree of risk (the likelihood) of the harm occurring
- how much is known about the hazard and ways of eliminating, reducing or controlling it
- the availability, suitability and the cost of the safeguards

4. c) Key characteristics of AEC

- single market and production base
- equitable development
- competitive economic
- fully integrated economic

Why are these important to Singapore :

- provide larger market
- easier to get raw materials supply

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4. d) → Government assistance scheme. Eg. GST excluded for the low-income families
→ Workfare for older worker. Eg. Workfare Income Supplement Scheme.
→ Loan for low-income families to start up small business.

* ALL THE BEST !! *


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