
UNIVERSITI SAINS MALAYSIA

First Semester Examination
Academic Session 2007/2008

October/November 2007

RPK 231 – Principles of Planning

Duration: 3 hours

Please check that this examination paper consists of **TEN** pages of printed material before you begin the examination.

Students are allowed to answer all questions in English OR in Bahasa Malaysia.

Answer **ALL** questions from **SECTION A (OBJECTIVE)** and **SECTION B**.
(**Section A** and **Section B** has to be tied **SEPARATELY**).

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SECTION A (OBJECTIVE)
BAHAGIAN A (OBJEKTIF)

1. The main sector for Malaysia is:-
 - A. Tourism
 - B. Industrial
 - C. Agriculture
 - D. Biotechnology

2. The following land use may be developed at flood plain areas, **EXCEPT**:-
 - A. Recreational park
 - B. Vegetable gardens
 - C. Resting huts
 - D. Housing for tsunami victims

3. The Northern Corridor Plan is an example of planning at the following scope:-
 - A. State level development
 - B. Regional level development
 - C. Federal level development
 - D. District level development

4. Planning Approval is also known as _____ Approval:-
 - A. Development
 - B. CF
 - C. Layout
 - D. Design

5. The Town and Regional Planning Act is also known as:-
 - A. Act 76
 - B. Act 172
 - C. Act 133
 - D. Act 156

- 3 -

6. One of these following statements regarding urban planning is not **TRUE**:-
- A. Development in Malaysia often neglects maintenance issues.
 - B. Urban development in Japan is influenced by its transportation system.
 - C. PORR project in Penang is still at the planning stage.
 - D. Sustainable development concerns only the future generation.
7. The 'Ehsan' Principle in planning can be reflected by the following case:-
- A. Residents to assist in the planning development in their areas.
 - B. Providing more than 10% open areas than stipulated.
 - C. Reducing the size of back lane to below requirement when it deemed unnecessary.
 - D. Providing one exclusive park for condominium residents on top of the building.
8. Farmers living in the Northern of Peninsular Malaysia have been advised not to burn the fields as the smoke may cause accidents on the PLUS Highway. However, according to the Global Planning Doctrine, the farmers should not be blamed, on the principle of:-
- A. respecting local culture and customs
 - B. respecting earlier use of land
 - C. respecting the National Land Code
 - D. respecting the National Agriculture Code
9. Good planning practice should reach the following goal:-
- A. Balanced development patterns
 - B. Healthy community
 - C. Robust economic development growth
 - D. Clean and wonderful environment
10. The direction of national development is influenced by various stakeholders with many interests. Despite the fact that the Local Authority (in Malaysia) may have the power to determine the types of development at a town or city, the real power is:-
- A. The economic influence
 - B. The political influence
 - C. Non Governmental Agency influence
 - D. The general population (the people influence)

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- 4 -

11. In Imaret Concept, the central land use should be occupied by:-
- A. Guest houses
 - B. Mosques
 - C. Educational Institutions
 - D. Welfare Institutions
12. The phenomenon where residents object to the development that is happening around them reflects that the development approval system had failed to identify the potential problems, especially at ____level:
- A. LCP
 - B. EIA
 - C. TOR
 - D. SIA
13. Whenever accident happens and resulting in a huge death toll, the relevant authorities would then introduce various new rules and regulations. This reflects management system that is :
- A. Reactive
 - B. Positive
 - C. Proactive
 - D. Aggressive
14. Penang and Melaka is in the process of nomination to be listed as World Heritage Sites. However, the abolishment of the Rent Control Act in Penang had caused the following problems, except:
- A. Rental Rate goes up high
 - B. Old houses need to be torn down
 - C. Many old shophouses are converted to new uses
 - D. Residents moved from inner city to outside areas
15. Car makers in Japan today compete among themselves to show that their products are:
- A. Less polluting the environment
 - B. of the latest design
 - C. Cheaper
 - D. Having highest safety standards.

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- 5 -

16. The revised Planning Act has amended the scope and definition of the term 'surrounding owners' of a development site. This amendment is carried because:-
- i. A site may not have surrounding lots.
 - ii. The impacts of development can also be felt by owners far from the site.
 - iii. Owners of the adjacent lots are sometimes difficult to trace.
 - iv. *Owners of the adjacent lots are sometimes the same as the owner of the to be developed lot.*
- A. *i & ii*
 - B. *ii & iii*
 - C. *i, ii & iii*
 - D. *i, ii, iii, & iv*
17. Distribution of resources based on certain priorities as in the Ninth Malaysia Plan is an example of:-
- A. Allocation Planning Principle
 - B. Innovative Planning Principle
 - C. Multiple Planning Principle
 - D. Comprehensive Planning Principle
18. Although it is important, local participation in planning process is often neglected. This is due to the fact that:-
- i. True local representative is difficult to find
 - ii. News about development can cause speculations
 - iii. It may hinder development
 - iv. It is not required in our development process
- A. i dan ii
 - B. ii dan iii
 - C. i, ii dan iii
 - D. i, ii, iii dan iv
19. Development Proposal Report should have the following aspect, **EXCEPT**:-
- A. Infrastructure and public facilities surrounding proposed site.
 - B. Land ownership and developer's name
 - C. List of buyers for the proposed development
 - D. Comment and opinion from technical departments

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- 6 -

20. The following are plans that are prepared by professional consultants during project development, **EXCEPT**:-
- A. Detail and Spot Level Plan
 - B. Building and Structural Plan
 - C. Project Layout Plan
 - D. Topographic Plan
21. From the following list, which are the plans that are prepared by a Town Planner.
- A. Topographic and Building Plan
 - B. Layout Plan and Development Concept Plan
 - C. Drainage and Irrigation Plan
 - D. Traffic Plan and Project Perspective Plan
22. The following are the factors that influenced the conflict between a town planning and development, **EXCEPT**:-
- A. Increase in needs and demands by the people.
 - B. Fast and active urban growth
 - C. A planned and comprehensive housing
 - D. Planning standards and regulations that is not being followed.
23. Please choose the incorrect statement during preparing for domestic infrastructure.
- A. Prepared according to the planning and design of a consultant.
 - B. Distributed from main infrastructure.
 - C. Allocation cost for infrastructure being funded by the government and private sector.
 - D. Sub-urban areas are given priorities for the allocation of domestic infrastructure.
24. Please choose the incorrect statement on Development Proposal Report.
- A. Local Planning Authority has the authority to evaluate development proposal.
 - B. Consists of technical information, diagrams and layout plan.
 - C. Consists of land use analysis and development potential.
 - D. The report is prepared according to the local requirement.

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- 7 -

25. Allocation of infrastructure can be and divided into Four (4) stages, which are:-
- A. Plan, Revitalization, Normal Replacement, Review and Addition.
 - B. Normal Replacement, Critical Stage, Planning, Review and Addition.
 - C. Domestic Replacement, Preliminary Planning, Addition, Revitalization.
 - D. Preliminary Planning, Addition, Critical, Major Replacement.
26. The development of Plan Submission will follow the steps below:-
- A. 'TOR' identification, Appointment of Consultant, Technical Plan Preparation.
 - B. Site Plan Preparation, Appointment of Consultant, Site Visit.
 - C. 'TOR' identification, Site Visit, Layout Plan.
 - D. Layout Plan, Site Visit, Appointment of Consultant.
27. Laws on Development Plan System which is being practice in all states of Peninsular Malaysia requires the preparation of State Structure Plan and District Local Plan is abide in the:-
- A. Town and Country Planning Act 1976, Act 172
 - B. Town and Country Planning Act 1986, Act 172
 - C. Town and Country Planning Act (Amended) 1986, Act A933
 - D. Town and Country Planning Act (Amended) 1995, Act A933
28. Among the functions of Structure Plan are**EXCEPT**
- A. Preparation of framework for Layout Plans
 - B. Setting of Objective, Policies and General Proposal
 - C. Translating National and Regional strategies
 - D. Preparation of guidelines for Developments Control
29. Which factor is **NOT** correct for Structure Plan:
- A. Usually prepared earlier than Local Plan
 - B. Planning duration between 15 to 20 years
 - C. It is a detailed and tactical plan
 - D. Covering all areas in the whole state
30. Based on Planning Standard, minimum distance between junctions for **Cul-De-Sac** is:
- A. 500 feet
 - B. 400 feet
 - C. 300 feet
 - D. 150 feet

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- 8 -

31. The required minimum lane width for two **bicycles** is:-
- A. 6 feet
 - B. 8 feet
 - C. 10 feet
 - D. 12 feet
32. One of the characteristic of Islamic neighborhood unit is:-
- A. 44 houses from each directions
 - B. Mosque or Surau located at the direction of Qiblat
 - C. Not separated by large area such as roads and rivers
 - D. School located at the center of neighborhood unit
33. Most of the new town concepts were developed from:-
- A. Land use components
 - B. City centre area
 - C. Road network systems and transportation
 - D. Layout of residential area
34. The construction of mosques and suraus in Malaysia should face the qiblat. The qiblat direction is:-
- A. 270 degrees from north direction
 - B. 272 degrees from north direction
 - C. 290 degrees from north direction
 - D. 292 degrees from north direction
35. The preparation of National Physical Plan (RPN) is abide in the:-
- A. Town and Country Planning Act 1976, (Amended) 2001, Act A1129
 - B. Town and Country Planning Act 1976, (Amended) 1995, Act A1129
 - C. Town and Country Planning Act 1976, (Amended) 2001, Act A933
 - D. Town and Country Planning Act 1976, (Amended) 1995, Act A933
36. The preparation of National Physical Plan (RPN) is the responsibility of:-
- A. YAB Prime Minister
 - B. State Director of Town and Country Planning of Peninsular Malaysia.
 - C. Chief Minister or Menteri Besar of each state in Peninsular Malaysia.
 - D. General Director of Town and Country Planning Peninsular Malaysia.

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37. Mahallah (neighborhood) in Islamic town planning will consist of an average of 60 housing units or 300 peoples with the following main community facilities..... **EXCEPT:-**
- A. surau
 - B. school and playing field
 - C. centralized shop lots
 - D. grave yard
38. What does serpentine route means?
- A. winding route
 - B. straight route
 - C. dangerous route
 - D. slippery route
39. What is the scientific name of the Curry Leaf Plant?
- A. Phylodendrom sateri
 - B. Calathea lutea
 - C. Murraya koeniggi
 - D. Pterocarpus indicus
40. Which plant can be used as a mosquito repellent?
- A. Curry leaf
 - B. Lemon grass
 - C. Coriander leaf
 - D. Spinach

(40 marks)

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SECTION B (Answer ALL questions)**USE SEPARATE ANSWER PAPER FOR EACH QUESTION.**

1. Efficient use of resources is an important planning principle. Describe the principle by giving example(s).

(10 marks)
2. Obtaining dan using correct data is very important in planning. Describe in brief the kind of data that is needed to be collected when conducting a site analysis.

(10 marks)
3. Give **THREE (3)** main categories of physical infrastructure in development. What aspects are to be considered for a new development in an island.

(10 marks)
4. Development Proposal Report have to be prepared by a qualified planner only. Why?

(10 marks)
5. What do you mean by the **road hierarchy**? Discuss its importance in the context of town planning in Malaysia.

(10 marks)
6. Discuss in brief how town planning is being practiced in our country?

(10 marks)

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