



UNIVERSITI SAINS MALAYSIA

Final Examination
2016/2017 Academic Session

May/June 2017

JIB 437 – Health and Disease
[Kesihatan dan Penyakit]

Duration : 3 hours
[Masa : 3 jam]

Please ensure that this examination paper contains **FIVE** printed pages before you begin the examination.

Answer **FIVE** questions. You may answer **either** in Bahasa Malaysia or English.

All answers must be written in the answer booklet provided.

Each question is worth 20 marks and the mark for each sub question is given at the end of that sub question.

In the event of any discrepancies in the exam questions, the English version shall be used.

*Sila pastikan bahawa kertas peperiksaan ini mengandungi **LIMA** muka surat yang bercetak sebelum anda memulakan peperiksaan ini.*

*Jawab **LIMA** soalan. Anda dibenarkan menjawab soalan **sama ada** dalam Bahasa Malaysia atau Bahasa Inggeris.*

Setiap jawapan mesti dijawab di dalam buku jawapan yang disediakan.

Setiap soalan bernilai 20 markah dan markah subsoalan diperlihatkan di penghujung subsoalan itu.

Sekiranya terdapat sebarang percanggahan pada soalan peperiksaan, versi Bahasa Inggeris hendaklah diguna pakai.

Answer **FIVE** questions.

Jawab **LIMA** soalan.

1. Healthcare associated pathogens are most often transmitted among patients on the hands of healthcare workers. Cleaning your hands before and after touching a patient is one of the most important measures for preventing the spread of microorganisms.

Penyebaran patogen berkaitan penjagaan kesihatan dalam kalangan pesakit melalui tangan pekerja kesihatan sering berlaku. Membersihkan tangan sebelum dan selepas menyentuh pesakit adalah salah satu langkah yang paling penting untuk mencegah penyebaran mikro-organisma.

- (a) List **FIVE (5)** practical steps to reduce infection incidence at healthcare facility.
*Senaraikan **LIMA (5)** langkah praktikal untuk mengurangkan insiden jangkitan di fasiliti penjagaan kesihatan.*

(3 marks/markah)

- (b) Discuss the reasons of poor adherence to hand hygiene practices among healthcare workers.

Bincangkan sebab kurang kepatuhan terhadap amalan penjagaan kebersihan tangan dalam kalangan pekerja penjagaan kesihatan.

(10 marks/markah)

- (c) Discuss strategies to improve hand hygiene practices among healthcare workers.
Bincangkan strategi bagi memperbaiki amalan penjagaan kebersihan tangan dalam kalangan pekerja penjagaan kesihatan.

(7 marks/markah)

2. (a) Define infections.
Takrifkan jangkitan.
(6 marks/markah)
- (b) List **THREE (3)** modes of transmission of infection agents to human.
*Senaraikan **TIGA (3)** mod pemindahan agen jangkitan kepada manusia.*
(5 marks/markah)
- (c) Explain how the following factors contribute to Hospital Acquired Infection (HAI).
- (i) Opportunistic microorganisms.
(3 marks)
- (ii) Compromised hosts.
(3 marks)
- (iii) Hospital environments.
(3 marks)
- Bincangkan bagaimana faktor berikut menyumbang kepada Jangkitan Peroleh Hospital.*
- (i) *Mikro-organisma oportunistik.*
(3 markah)
- (ii) *Hos kompromi.*
(3 markah)
- (iii) *Persekitaran hospital.*
(3 markah)

3. (a) Discuss the basic principles of foot care for diabetic patients.
Bincangkan prinsip asas penjagaan kaki bagi pesakit diabetik.
(10 marks/markah)
- (b) Outline the procedure of home blood sugar monitoring including actions taken after reviewing the results.
Nyatakan prosedur pemantauan paras gula darah di rumah termasuk tindakan yang perlu diambil selepas keputusan diperolehi.
(10 marks/markah)
4. (a) Write short notes on degenerative diseases.
Tulis nota pendek tentang penyakit degeneratif.
(10 marks/markah)
- (b) Define health and list the significance of good health.
Takrifkan kesihatan dan senaraikan kesihatan yang baik.
(6 marks/markah)
- (c) Give **FOUR (4)** examples of vitamin deficiency diseases.
*Berikan **EMPAT (4)** contoh penyakit kekurangan vitamin.*
(4 marks/markah)

5. (a) Write short notes on hypodontia.
Tulis nota pendek tentang hipodontia.
(10 marks/markah)
- (b) Define dental caries and name **FOUR (4)** parameters involved in the aetiology of caries.
Takrifkan karies gigi dan namakan EMPAT (4) parameter yang terlibat dalam etiologi karies.
(6 marks/markah)
- (c) List the classification of dental caries according to the location of the lesion.
Senaraikan pengelasan karies gigi berdasarkan lokasi lesi.
(4 marks/markah)
6. (a) Explain **TWO (2)** main groups of cysts of the jaw that originate from the epithelial lining.
Terangkan DUA (2) kumpulan utama sista rahang yang berasal daripada pengalasan epitelium.
(6 marks/markah)
- (b) Describe the composition of the cysts fluid.
Huraikan komposisi cecair sista.
(8 marks/markah)
- (c) Write short notes on radicular cysts.
Tuliskan nota pendek tentang sista radikular.
(6 marks/markah)