



6004-530 JUNE 2017

Level 3 Advanced Technical Diploma in Complementary Therapies (540)

Level 3 Complementary Therapies – Theory exam (1)

If provided, stick your candidate barcode label here.

**Wednesday 21 June 2017
13:30 – 15:30**

Candidate name (first, last)

First

Last

Candidate enrolment number

Date of birth (DDMMYYYY)

Gender (M/F)

Assessment date (DDMMYYYY)

Centre number

Candidate signature and declaration*

• If any additional answer sheets are used, enter the additional number of pages in this box.

• Please ensure that you **staple** additional answer sheets to the **back** of this answer booklet, clearly labelling them with your full name, enrolment number, centre number and qualification number in BLOCK CAPITALS.

• All candidates need to use a **black/blue pen**. **Do not** use a pencil or gel pen.

• If provided with source documents, these documents **will not** be returned to City & Guilds, and will be shredded. **Do not** write on the source documents.

***I declare that I had no prior knowledge of the questions in this assessment and that I will not divulge to any person any information about the questions.**

You should have the following for this examination

- a pen with black or blue ink

General instructions

- **This question paper is the property of the City & Guilds of London Institute and is to be returned, or destroyed after the examination.**
- All questions do **not** have equal marks.
- The maximum marks for each question are shown.
- Answer **all twenty-two** questions.



1 State **three** phases of the tissue healing process.

(3 marks)

2 Explain the function of Adenosine Triphosphate (ATP) in the role of providing energy for cells.

(3 marks)

3 Explain the catagen stage of the hair growth cycle.

(4 marks)

4 State **three** mechanisms of sensory perception. (3 marks)

5 Explain how osteoarthritis affects the skeletal system. (2 marks)

6 State a bone that articulates with **each** of the following. (1 mark)

a) Tibia.

b) Radius.

c) Cervical 7 (C7).

7 Explain how antagonist muscles support movement. (2 marks)

8 State **two** rotator cuff muscles. (2 marks)

- 9 Explain the difference in roles between **each** of the following.
- a) The pulmonary artery and the aorta. (1 mark)

- b) The pulmonary vein and the inferior vena cava. (1 mark)

- 10 State **two** major arteries of the upper arm. (2 marks)

- 11 Explain how pressure within the interstitial tissues impacts on lymph drainage. (2 marks)

- 12 Explain how lymph nodes respond to infection. (1 mark)

- 13 State the location of **each** of the following lymph nodes.
- a) Buccal. (1 mark)

- b) Mesenteric. (1 mark)

- c) Axillary. (1 mark)

14 a) State the **two** locations where a chemoreceptor can be found. (2 marks)

b) State the function of a chemoreceptor. (1 mark)

15 a) State one example of a neurotransmitter. (1 mark)

b) Explain the function of a neurotransmitter. (2 marks)

16 Explain the function of the pleural membranes. (3 marks)

17 State the **three** sections within the pharynx. (3 marks)

18 a) State **two** salivary glands.

(2 marks)

b) Explain the function of saliva.

(4 marks)

19 Explain the function of **each** of the following hormones.

a) Vasopressin.

(2 marks)

b) Oxytocin.

(2 marks)

20 State one hormone associated with **each** of the following pathologies.

a) Cushing syndrome. (1 mark)

b) Seasonal affective disorder (SAD). (1 mark)

21 Explain how the urethra controls the flow of urine. (2 marks)

22 State **two** electrolytes. (2 marks)
