CONFIDENTIAL

The National Clinical Coding Examination [UK]

27 September 2016

Paper 2 Theory
1:30 pm - 4:35 pm
[THREE HOURS]

The first 5 minutes will be spent reading through this Examination Paper and the ‘Instructions to Candidates’

This Examination Paper consists of 3 Sections: C, D and E.

Section C – General Short Theory Questions [20% of the Marks]
Answer all questions in this Section in the space provided on the Examination Paper.

Section D [45% of the Marks]
Answer all questions on the lined paper provided. Use a new sheet(s) of paper for each answer. Write only on one side of the paper.

General Theory ICD-10 Questions D [1] [15% of the Marks]
Answer either Section D1A or D1B

General Theory OPCS-4 Questions D [2] [15% of the Marks]
Answer either Section D2A or D2B

Clinical Terms Questions D [3] [10% of the Marks]
Answer either Section D3A or D3B

Miscellaneous Questions D [4] [5% of the Marks]
Answer either Section D4A or D4B

Section E – Anatomy & Physiology (including Medical Terminology) [35% of the Marks]
Section E [1] Anatomy & Physiology – Answer all Questions 1-15
Section E [2] Medical Terminology – Answer all Questions 1-10
Section E [3] Diagrams – Label both diagrams
Answer all questions in this Section in the space provided on the Examination Paper.
Section C – General Theory Short Questions [20% of the Marks]

Answer ALL 20 questions in this Section writing your answers in the spaces provided.

1. List **four** of the predominantly secondary sites described in **DCS.II.1: Primary and secondary malignant neoplasms (C00-C97)**. [4 Marks]


3. According to coding standard **PCSJ2: Failed or abandoned endoscopic retrograde cholangiopancreatography (J43.9)**, what is a failed or abandoned ERCP described as? [2 Marks]
4. A diagnosis of delirium is synonymous with what other term when assigning code **F05.9 Delirium, unspecified**? [1 Mark]

5. What is the OPCS-4.7 sequencing rule described in coding standard **PGCS14: Sequencing of codes in Chapter Y with codes in Chapter Z**? [1 Mark]

6. According to **DCS.XI.1: Oesophageal web (K22.2, Q39.4)**, what type of condition does the ICD-10 Alphabetical Index assume an oesophageal web is according to the default code provided? [1 Mark]

7. When a patient undergoes further/wider excision for a previously removed malignancy, how must this be diagnostically coded? [2 Marks]
8. On what occasion is it applicable to assign OPCS-4.7 code **T91.1 Biopsy of sentinel lymph node NEC**? [1 Mark]

9. To which body site should the code **Y39.4 Lipofilling injection into organ NOC** never be assigned? [1 Mark]

10. Describe the diagnostic coding rule relating to inadvertent or unintentional loss of pregnancy due to a direct cause. [3 Marks]

11. Describe the ICD-10 coding rule when a patient has HIV disease resulting in more than one malignant neoplasm. [2 Marks]
12. What are the two occasions related to orthopaedics when image control must not be recorded? [2 Marks]


14. There are four terms other than ‘immobility’ that must be classified to ICD-10 code R26.3 Immobility when documented in the medical record, in accordance with national clinical coding standards. List three of the four terms. [3 Marks]

15. List the three routes of administration of chemotherapy associated with body system chapter codes. [3 Marks]

16. In accordance with coding standard PCSZ2: Laterality of operation (Z94),
when must a laterality code not be recorded? [2 Marks]

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17. For neoplasms with functional activity, a code for which type of disorder must also be recorded? [1 Mark]

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18. Describe the coding standard associated with the recording of OPCS-4.7 categories **E85-E98**. [3 Marks]

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19. Describe the coding standard for recording high cost drugs administered in theatre. [2 Marks]

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20. What two pre-cancerous terms, that do not affect the ICD-10 code assignment, are associated with Barrett oesophagus? [2 Marks]

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Section D – General Theory Questions

Please use separate Answer Sheets found at the end of this Question Paper, to answer your chosen questions in Section D.

- You must use new Answer Sheet(s) for each question.
- Write on only one side of the Answer Sheet(s).
- You must write your Candidate Number in the top right hand corner of each Answer Sheet(s) that you use.
- You must write the Question Number in the top left hand corner of each Answer Sheet(s) that you use.

Section D[1] – ICD-10 Theory [15% of the Marks]

Answer either Part A or Part B of the following:

Please make it clear which question you are answering and label each Section accordingly.

Question D1 Part A: [Answer all parts of this question i and ii]

i) There are four ‘relational terms’ described in DConvention.5. ‘Without’ is an example of one; list the other three ‘relational terms’ and give a brief description of each. [9 Marks]

iii) Describe the coding standard if a condition is stated as ‘acute (or sub-acute) on chronic’. [4 Marks]

OR

Question D1 Part B: [Answer all parts of this question i and ii]

Please use separate Answer Sheets making it clear which question you are answering and label each Section accordingly.

i) Describe the use of fifth characters in Chapter XIII Diseases of the Musculoskeletal System and Connective Tissue. [8 Marks]

ii) Describe the use of fifth characters in Chapter XIX Injury, Poisoning and Certain Other Consequences of External Causes. [5 Marks]
Section D[2] – OPCS-4 Theory [15% of the Marks]

Answer either Part A or Part B of the following:

Please use separate Answer Sheets making it clear which question you are answering and label each Section accordingly.

Question D2 Part A: [Answer all parts of this question i, ii and iii]

i) Describe ‘paired codes’ and the associated coding convention. [7 Marks]

ii) Describe the coding standard associated with unintentional actions occurring during a procedure. [4 Marks]

iii) What does the coding standard state regarding excisional biopsy (excision biopsy), and why? [2 Marks]

OR

Question D2 Part B: [Answer all parts of this question i and ii]

Please use separate Answer Sheets making it clear which question you are answering and label each Section accordingly.

i) Describe the use of site codes in Chapter Z Subsidiary Classification of Sites of Operation in diagnostic endoscopic procedures. [7 Marks]

ii) Describe the ‘diagnostic versus therapeutic procedures’ coding standard. [6 Marks]
Section D[3] – Clinical Terms [10% of the Marks]

Answer either Part A or Part B of the following:

Please use separate Answer Sheets making it clear which question you are answering and label each Section accordingly.

Question D3 Part A: [Answer all parts of this question i, ii and iii]

i) Which body has specified that SNOMED CT is to be used as the single terminology in all care settings in England? [1 Mark]

ii) Describe hierarchies as used within SNOMED CT. [3 Marks]

iii) Name six of the 19 hierarchies in SNOMED CT. [6 Marks]

OR

Question D3 Part B: [Answer all parts of this question i, ii and iii]

Please use separate Answer Sheets making it clear which question you are answering and label each Section accordingly.

i) Which organisation did the NHS collaborate with to develop SNOMED CT? [1 Mark]

ii) There are two main types of relationship found in SNOMED CT. Name them and give a brief description of both. [4 Marks]

iii) List five benefits of SNOMED CT to a clinician. [5 Marks]
Section D[4] – Miscellaneous Section [5% of the Marks]

Answer either Part A or Part B of the following:

Please use separate Answer Sheets making it clear which question you are answering and label each Section accordingly.

Question D4 Part A:

When coding procedures that are performed for the correction of congenital deformities, what OPCS-4.7 rules must be applied? [7 Marks]

OR

Question D4 Part B:

Please use separate Answer Sheets making it clear which question you are answering and label each Section accordingly.

The ‘brace |’ and ‘square brackets [ ]’ are two types of punctuation documented in DConvention.3. Describe the use of these two types of punctuation (clearly indicate in your answer which punctuation type you are describing). [7 Marks]
SECTION E - Anatomy & Physiology (including Medical Terminology)

[35% of the Marks]

Please be aware that spelling will be taken into account during the marking process.

Section E[1] – Anatomy & Physiology

Answer ALL 15 questions in this Section, writing your answers in the spaces provided.

1. Name the three continuous parts of the small intestine. [3 Marks]

2. What substance is contained in the medullary canal of long bones and in cancellous tissue of all bone types? [1 Mark]

3. What element is stored in the thyroid gland and is necessary for the production of thyroid hormones? [1 Mark]

4. Name the tubes found within the inner ear that provide information about the position of the head in space, contributing to the maintenance of equilibrium and balance. [1 Mark]

5. The aortic bifurcation is the point where the distal end of the abdominal aorta divides into what? [2 Marks]
6. What odourless, colourless gas excreted by the lungs is produced in tissue cells as a by-product of metabolism? [1 Mark]

7. What is the name of the period of 42 days following birth? [1 Mark]

8. What joint types are described as allowing slight movement, for example, between vertebrae? [1 Mark]

9. What makes up the peripheral nervous system? [3 Marks]

10. Provide the name of the external opening of the urethra. [1 Mark]

11. The scrotum is divided into two compartments each containing one of what two organs? [2 Marks]

12. What system of ducts and glands secrete and conduct tears? [1 Mark]
13. How many times per minute does the pumping cycle of the heart normally occur? [1 Mark]

14. The trachea is a passageway for air between the larynx and what other part of the respiratory system? [1 Mark]

15. What two glands are part of the integumentary system? [2 Marks]
Section E[2] – Medical Terminology

Please be aware that spelling will be taken into account during the marking process.

Answer ALL 10 questions in this Section, writing your answers in the spaces provided.

1. What does a root word usually indicate? [2 Marks]

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2. What does the suffix ‘–stomy’ mean? [1 Mark]

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3. State the root word(s) in ‘cholecystitis’ and what they pertain to. [4 Marks]

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4. What body movement term is used to describe the act of drawing towards the median plane or axial line? [1 Mark]

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5. There are two root words to describe the lip; name one of them. [1 Mark]

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6. State the difference between the prefixes: [2 Marks]

‘Ante’ –

‘Anti’ –

7. What is the suffix used to describe ‘crushing’? [1 Mark]

8. What does the term ‘contralateral’ mean? [1 Mark]

9. Identify the three root terms in this group. Circle your answers. [3 Marks]

    tri  dys  phag
    spondyl  penia  genic
    trans  cost  retro

10. What prefix means ‘within’? [1 Mark]
Section E3 Diagrams

Precisely label the anatomical structure indicated by each line on the following two diagrams. Write your answers in the boxes below.

E 3[a] Pancreas [11 Marks]
E 3[b] Internal View of the Heart [15 Marks]

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END