CONFIDENTIAL

The National Clinical Coding Examination [UK]

22 March 2016

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

The first 5 minutes will be spent reading through 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 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. The requirement for national collection of the use of fifth characters appears in which three ICD-10 4th Edition chapters? Either chapter numbers (Arabic or Roman numeral) or full titles are acceptable. [3 Marks]

2. The circumstance surrounding reactions to drug/medication are classified in two ways within ICD-10 Tabular List, Volume 1. Name both ways. [2 Marks]

3. What must a coder do if a surgical eponym is used in the medical record to describe a procedure? [3 Marks]
4. When should site codes from Chapter Z be assigned? [1 Mark]

5. What two conditions must be coded if a diagnosis of ‘severe sepsis’ alone is made by the clinician? *No actual codes are required.* [2 Marks]

6. What is the standard regarding the use of the OPCS-4.7 code **X35.1 Intravenous induction of labour**? [1 Mark]

7. On what occasion is it a mandatory requirement to assign an OPCS-4.7 general anaesthetic code? [1 Mark]

8. When should codes from ICD-10 category **Z54.- Convalescence** be assigned and how should they be sequenced? *No actual codes are required.* [2 Marks]
9. How should an injury caused by a geriatric fall be coded? Describe the possible sequencing of these codes. *No actual codes are required.* [4 Marks]

10. What must be coded when an excision and biopsy (excision biopsy) is performed on the same site during the same theatre visit, and why? *No actual codes are required.* [2 Marks]

11. When must codes from ICD-10 category Z38.- *Liveborn infants according to place of birth* be assigned in the primary coding field? [1 Mark]

12. During which procedure should OPCS-4.7 code X50.5 *Evaluation of a cardio-defibrillator* not be assigned when carried out? *No actual codes are required.* [1 Mark]
13. What precise wording, other than ‘status asthmaticus’, must be present in the medical records to be able to assign **J46.X Status asthmaticus**? [1 Mark]

14. How should a fracture fixation procedure be coded when the description names more than one type of fixation device, e.g. pin and plate? **No actual codes are required.** [2 Marks]

15. In accordance with national clinical coding standards, name the **two specific forms of chest pain categorised to ICD-10 category R07 Pain in throat and chest.** [2 Marks]

16. In ICD-10 coding terms, describe the difference between a ‘rectal haemorrhage’ and ‘per rectal haemorrhage’, and the coding standards related to these terms. **No actual codes are required.** [3 Marks]

17. How must a colonoscopy with ileal intubation that includes a biopsy of the terminal ileum be coded? **No actual codes are required.** [2 Marks]
18. What clinical coding standards relating to the use of ICD-10 category **O63 Long labour** must the coder be aware of? [2 Marks]

[Blank space]

19. When must the insertion of a nasogastric (NG) feeding tube be coded? [1 Mark]

[Blank space]

20. What is the OPCS-4 standard when a gastroscope is not able to be inserted further than the patient’s mouth during an endoscopy? *No actual codes are required.* [1 Mark]

[Blank space]
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 a new Answer Sheet for each question.
- Write on only one side of the Answer Sheet.
- You must write your Candidate Number in the top right hand corner of each Answer Sheet that you use.
- You must write the Question Number in the top left hand corner of each Answer Sheet 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, ii, iii and iv]

i) The ICD-10 classification contains 22 chapters and is divided into three different chapter types. Name the three types of chapter. [3 Marks]

ii) When there is doubt as to where a condition should be coded which of the three chapter types found in the axis of the ICD-10 classification takes priority? [1 Mark]

iii) In order for an ICD-10 classification code to be valid what is the minimum character length that it must be? Describe the structure of a code and how it must be extended as documented in DRule.2: Category and code structure. [5 Marks]

iv) Where is the ‘point dash (.)’ punctuation found in the ICD-10 classification and describe its purpose? [3 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) Unique identifiers (reference number) are applied to four areas of the National Clinical Coding Standards ICD-10 4th Edition (2015) reference book; flow charts are one of these, name the other three. [3 Marks]

ii) Name the three types of standard documented in the National Clinical Coding Standards ICD-10 4th Edition (2015) reference book. Briefly describe their locations within it and how they should be applied. [9 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, iii and iv]

i) What must clinical coders take into account when coding a ‘radical operation’? [3 Marks]

ii) What sequencing rules must be applied when a resection and reconstruction of an organ or site has been performed during the same theatre visit? [2 Marks]

iii) What is being described when codes from OPCS-4.7 category V55 Levels of spine are assigned? [1 Mark]

iv) A level of spine can mean one of three things; what can they mean and give one example of an operation specific to each meaning? [6 Marks]
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) Name the three types of Instructional Note found in the OPCS-4.7 Tabular List. [3 Marks]

ii) Describe the use of each type of Instructional Note found in the OPCS-4.7 Tabular List. [9 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, iii and iv]

i) Cross-maps between SNOMED CT and the classifications ICD-10 and OPCS-4 are essential to the management of data from clinical information systems. List six drivers that lead to changes or additions to the cross-map tables. [6 Marks]

ii) The SNOMED CT to ICD-10 and OPCS-4 cross-maps data is used by the Department of Health to produce what source of general statistics? [1 Mark]

iii) What information service does the SNOMED CT to ICD-10 and OPCS-4 cross-maps data also support? [1 Mark]

iv) Name four functions supported by the SNOMED CT to ICD-10 and OPCS-4 cross-maps data. [4 Marks]

OR

Question D3 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 or draw the clinical information architecture from Clinical Terms to Groups, providing information for each level. [11 Marks]

ii) The adoption date for SNOMED CT by Primary Care is actively being supported for December 2016. When is its planned adoption by the entire health system due? [1 Mark]
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: [Answer all parts of this question i, ii and iii]

OPCS-4 incorporates the concept of ‘overflow’ and ‘principal and extended’ categories:

i) When are ‘overflow’ and ‘extended’ categories employed in the OPCS-4.7 classification? [2 Marks]

ii) In which chapters of the OPCS-4.7 classification are ‘overflow’ categories found? Either chapter numbers (Arabic or Roman numeral) or full titles are acceptable. [3 Marks]

iii) From within the ‘extended’ categories found in the OPCS-4.7 classification, which fourth characters must never be used? [1 Mark]

OR
Question D4 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) In the absence of a definitive primary diagnosis recorded by the clinician in the medical record, what must the coder assign? [3 Marks]

ii) Name **three** of the four words or phrases that a clinician may prefix a condition with that would permit the coder to accept it as a diagnosis? [3 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 semiliquid stomach contents resulting from action of digestive juices on food that is released into the small intestine. [1 Mark]

2. Rings of what type of tissue are found embedded in the muscular walls of the trachea? [1 Mark]

3. Name the first of the three ossicles in the middle ear? [1 Mark]

4. Which is the longest bone in the body? [1 Mark]

5. Hairs grow from the base of which structures? [1 Mark]
6. Where are the olfactory receptors located? [1 Mark]

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7. In which bone are the upper teeth located? [1 Mark]

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8. Name three major structures of the Respiratory System, excluding the lungs. [3 marks]

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9. Which area of the brain shares concern for the respiratory function with the pons varolii? [2 marks]

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10. In terms of movement what type of synovial joint is the sternoclavicular joint? [1 Mark]

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11. The spleen is part of which body system? [1 Mark]

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12. What are the two upper chambers of the heart called? [1 Mark]

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13. How many layers of tissue make up the pericardium? [1 Mark]

14. Name the circular muscle that controls the opening of the anus? [1 Mark]

15. What is an ovum? [1 Mark]
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. Which component of a medical term follows the root word? [1 Mark]

__________________________________________________________________________

2. How much is being indicated by the use of the prefix ‘hemi-’? [1 Mark]

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3. Give terms that indicate the front and back view of the body or an organ. [2 Marks]

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4. Name the two types of bone found in the femur. [2 Marks]

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5. How many root words are there in the medical term ‘gastroenteritis’? State what they are and to what they pertain. [3 Marks]

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6. What is the correct medical term relating to the side view of the body? [1 Mark]

7. What is the meaning of the suffix ‘–rhaphy’? [1 Mark]

8. What is the root word in the medical term ‘blepharitis’ and to what does it refer? [2 Marks]

9. Identify the three root terms in this group. Circle your answers. [3 Marks]
   pre nephry my
   osis pexy cephal
   dys plasia semi

10. Differentiate between the body position terms ‘medial’ and ‘median’. [2 Marks]
Precisely label the anatomical structure indicated by each line on the following two diagrams. Write your answers in the boxes below.

E 3[a] The Integumentary System [11 Marks]
E 3[b] The Hip Joint [11 Marks]

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