CONFIDENTIAL

The National Clinical Coding Examination [UK]

25 September 2018

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

The first 5 minutes will be spent reading through this Examination Paper

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 – General Theory Questions [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]
Answer all questions in this Section in the space provided on the Examination Paper.

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
Section C – General Theory Short Questions [20% of the Marks]

You must write your candidate number on the top right hand corner of each page.

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

1. Describe the Coding Clinic and its function. [6 Marks]

2. Describe the ICD-10 clinical coding standard that must be adhered to for a current smoker. [2 Marks]

3. Describe the ICD-10 clinical coding standard that must be applied when a patient has a urethral obstruction and benign prostatic hypertrophy / hyperplasia (BPH). [2 Marks]
4. What is considered a ‘failed or abandoned ERCP’ as stated in the OPCS-4 clinical coding standard? [2 Marks]

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5. Describe the OPCS-4 clinical coding standard that must be adhered to when a code from Chapter S is used to enhance a body system code from another chapter. [4 Marks]

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6. What **two** conditions must be coded when sepsis is confirmed to be due to a device, implant or graft? [2 Marks]

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7. Within the ICD-10 guidance, what term is commonly used to describe ‘false labour’? [1 Mark]

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8. In OPCS-4, how should a combination of chemotherapy regimens that are administered during the same day case attendance be coded? [4 Marks]

9. Explain how staged procedures are to be coded using the OPCS-4 classification. [2 Marks]

10. Glossary descriptions exist in multiple chapters in ICD-10, e.g. Chapter V Mental and behavioural disorders. How must they be used in the assignment of codes? [2 Marks]

11. Where would you find the ICD-10 5th Edition Errata and what should the coder do with it? [2 Marks]
12. Describe the OPCS-4 standard relating to the use of code L97.6 Insertion of vascular closure device. [2 Marks]

13. In what circumstance are clinical coders permitted to assign the ICD-10 code C80.0 Malignant neoplasm, primary site unknown, so stated? [2 Marks]

14. Describe the guidance for the use of site codes to supplement codes in category W82 Therapeutic endoscopic operations on semilunar cartilage. [2 Marks]

15. According to the OPCS-4 standard PCSM3: Extracorporeal shockwave lithotripsy of calculus of ureter (M31.1), what are the two integral parts of the procedure that must not be coded in addition? [2 Marks]
16. Describe the circumstances the ICD-10 code **I46.1 Sudden cardiac death, so described** must and must not be used. [3 Marks]

17. Describe the OPCS-4 standard for the assignment of codes in category **X45 Donation of organ**. [2 Marks]

18. Describe the ICD-10 standard related to the coding of respiratory failure. [3 Marks]
19. How are the ICD-10 codes in block **Y70-Y82 Medical devices associated with adverse incidents in diagnostic and therapeutic use** to be used, and in what circumstance? [2 Marks]

20. Within OPCS-4, what has sequencing priority when an intrauterine coil procedure is performed during the same theatre visit as a diagnostic or therapeutic hysteroscopy? [1 Mark]
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 components of this question, i and ii]

i) Describe the ‘essential modifiers’ used in ICD-10 and how they appear in the Alphabetical Index, including any exceptions. [9 Marks]

ii) Describe the standard relating to the use of R52.1 Chronic intractable pain in ICD-10. [6 Marks]

OR

Question D1 Part B: [Answer all components 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) Describe the use of the codes in ICD-10 category F19.- Mental and behavioural disorders due to multiple drug use and use of other psychoactive substances. [5 Marks]

ii) Describe the ICD-10 clinical coding standard when coding metastases and there are two or more sites stated in a diagnostic statement and some are qualified as ‘metastatic’ whilst others are not, and the sites are not on the list of predominantly secondary sites. [4 Marks]

ii) Describe the ICD-10 clinical coding standard for the use of I25.2 Old myocardial infarction. [6 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 components of this question, i, ii and iii]

i) Describe the OPCS-4 clinical coding standard relating to the coding of caesarean sections. [5 Marks]

ii) Describe the OPCS-4 clinical coding standard relating to the coding of multiple deliveries. [4 Marks]

iii) Describe the OPCS-4 standard for the coding of method of administration of High Cost Drugs. [6 Marks]

OR

Question D2 Part B: [This question has only one component]

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

Describe what the following abbreviations stand for, their meaning and where they are found in OPCS-4: [15 Marks]

- HFQ
- NEC
- NFQ
- NOC
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 components of this question, i, ii, iii and iv]

i) Please state whether the following statements are TRUE or FALSE. [1 Mark]
   a) SNOMED CT is a vocabulary used by clinical coders to report/summarise Consultant Episodes for national Data Sets.
   b) ICD-10 focusses on what we want to count for statistical and epidemiological purposes.

ii) List the missing words in the following statement in sequential order. [2 Marks]

   The classification maps are ___ directional, providing a map from _____________ to ____________.

iii) Name four top level hierarchies in the UK Edition of SNOMED CT. [4 Marks]

iv) Give two examples of how SNOMED CT can support the direct care of a patient. [2 Marks]

OR

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

Please use separate Answer Sheets making it clear which question you are answering.

i) Please state whether the following statements are TRUE or FALSE. [1 Mark]
   a) Because SNOMED concepts have a single parent they are mutually exclusive to ensure there is no ‘double counting’.
   b) SNOMED CT is the vocabulary used by clinicians at the point of care.

ii) Provide six benefits of using SNOMED CT in an Electronic Patient Record (EPR). [6 Marks]

iii) Name the two types of relationships found in SNOMED CT. [2 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: [Answer all components of this question, i and ii]

i) Each Hospital Episode Statistic (HES) record contains a wide range of information about an individual patient admitted to an NHS hospital; what type of information does this include? [4 Marks]

ii) Describe the ‘National Tariff’ NHS Payment System. [5 Marks]

OR

Question D4 Part B: [Answer all components 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 concept of ‘totality of codes’ in the ‘three dimensions of coding accuracy’. [5 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

You must write your Candidate Number in the top right hand corner of each page.

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

1. Name the three layers of the skin, and sequence them from outermost layer to innermost layer. [4 Marks]

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2. Name the space between the vagina or scrotum and the rectum. [1 Mark]

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3. Which two types of circulation transport hormones? [2 Marks]

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4. What is the name of the thin layer of smooth tissue which lines many cavities and has the special ability to secrete a slimy fluid? [1 Mark]

5. What type of joint is the wrist? Name the three bones that form its surfaces. [4 Marks]

6. The sympathetic and parasympathetic are components of which part of the nervous system? [1 Mark]

7. What is the name given to the first portion of the large intestine? [1 Mark]

8. Name the three main biological factors that affect skin colour. [3 Marks]
9. Name the hormone that promotes gestation during the menstrual cycle. [1 Mark]

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10. Three systems are referred to when considering blood circulation; describe the action and nature of the pulmonary circulation. [4 Marks]

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11. Name the fine transparent protective membrane, lining the eyelids, which folds on to the front of the eyeball. [1 Mark]

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12. Name the fibrous tissue structure that serves to connect muscle to bone. [1 Mark]

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13. Describe the location and function of the thymus gland. [3 Marks]

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14. The formation of urine serves what **two** functions? [2 Marks]

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15. Describe the function of the trachea and the **two** organs that it sits between. [3 Marks]

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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 is the root word for the ‘eye’? [1 Mark]

2. What is the suffix in ‘hepatomegaly’ and what is its meaning? [2 Marks]

3. What root word is used to describe the ‘vertebra’ or ‘spinal column’? [1 Mark]

4. Describe the difference between the prefixes ‘ante-’ and ‘anti-’. [2 Marks]

5. What suffix is used to describe ‘crushing’? [1 Mark]
6. Break down the term ‘encephalocele’ into its component parts and state what each part means. [4 Marks]

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7. What two prefixes mean ‘above, beyond, superior’? [2 Marks]

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8. What does the suffix ‘-lysis’ mean? [1 Mark]

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

gram  ectasis  co

nephr  a  my

sym  cele  ur

10. Give the meaning of the term ‘cardiogenic’. [2 Mark]

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Section E[3] 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] Upper digestive system [10 Marks]

1. Salivary glands
2. 
3. 
4. 
5. 
6. 
7. 
8. 
9. 
10.

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E 3(b) Interior view of the ear [16 Marks]

E 3[b] Interior view of the ear [16 Marks]