

## Asthma Level 5 Coursework 1

### Problem Solving Assignment

**This assignment constitutes 30% of your overall module mark.**

**A minimum mark of 40% in each assignment is required to pass the module.**

Students will be expected to demonstrate knowledge and understanding of key aspects of care. You are required to answer 2 guided questions. You should read each question carefully and ensure that you answer each section. Remember to stay focussed so that you only answer the question that is asked.

You should answer **all** parts of each question. Start each question on a separate page and annotate each part of your answer 1a) 1b) etc. . . .

#### **Assignment Brief:**

##### **Introduction**

This is not an essay and you are therefore not required to write an introduction or conclusion.

##### **Main body**

##### **Question 1:**

Archie is 7 years old and has a confirmed diagnosis of asthma. He has been using his salbutamol inhaler most days recently. His parents are reluctant for him to use Inhaled Corticosteroid (ICS) treatment in spite of his night-time cough and symptoms with exercise.

- a) Briefly outline the pathophysiology of asthma.

- b) How would you explain to Archie's parents the importance of regular ICS therapy? Discuss the role ICS plays in asthma treatment. You should include advice about the safety of ICS therapy, when it should be taken and potential side effects.
- c) What are the key points you need to address when explaining to Archie's parents the role of Short Acting Beta Agonist's (SABA)? Discuss the role SABA plays in asthma treatment. You should include advice about when it should be taken, how it works and the side effects.

**Question 2:**

Jivana is 20 years old and has no previous history of asthma. She has just registered with the practice having moved to the area very recently. She presents complaining of an early morning cough and occasional chest tightness for several weeks. Jivana needs a structured clinical assessment to consider the diagnosis of asthma.

- a) What should be included when taking a history from Jivana? The relevance of the clinical questions must be explained and related to the probability of asthma.
- b) Discuss the range of objective tests available to support the diagnosis of asthma. Explore how variability or reversibility to support an asthma diagnosis, is demonstrated with each test.
- c) Evaluate the benefits and limitations of spirometry as a diagnostic test for asthma.

**Evaluation and Conclusion:**

This is not an essay and you are therefore not required to write an introduction or conclusion.

### **Confidentiality:**

At all times confidentiality must be maintained. It must not be possible to identify you or your workplace from your assignment.

It is important that your own name does not appear anywhere. To identify your work use your student number, which can be found on your '**my details**' page of canvas and initials only.

### **Structure, presentation and writing style:**

In accordance with the Education for Health Student Guide your work should be presented in Arial - font size 12, double spaced and include page numbers.

Write objectively in the 3rd person with no use of "I" or "My" or "The author".

Lists and bullet points are acceptable where appropriate **but** you must ensure you provide enough information to demonstrate your knowledge and understanding of the correct answer to the question.

Coversheet: Your work must include a coversheet. The requirements for this can be found in the assessment section of your module learning materials.

### **References:**

Education for Health recommend the use of 1 reference per 100 -150 words in academic assignments. Please provide a **minimum of 10 references** for this piece

of work. Your references should be cited and listed in American Psychological Association (APA) style in accordance with the Education for Health Academic and Writing Skills Guide. This can be found in your module learning materials.

**Guidelines:**

Module learning materials are based on evidence-based British and international guidelines and we expect students to be following these. If you are using guidelines other than recognised national or international guidelines for patient management, you must include an explanation and justification of why these other guidelines have been adopted.

If these other guidelines are not available online, or if the online version would breach confidentiality, please include a copy of the guidelines as an appendix while ensuring confidentiality is maintained.

**Word count:**

1,500 words are allowed (+/- 10%), as a guide, allow approximately 750-800 words per question. References in your written work are included in your word count but your reference list is not. Appendices may be used where appropriate to support points raised in your work and do not count in your word allowance. Please be aware that the contents of appendices are not marked.

**Module learning outcomes assessed by this assignment:**

Your work will be expected to demonstrate the following learning outcomes

Knowledge and understanding [1]

Skills and attributes [1,4]

#### **Assignment Support:**

Please refer to your Student Guide for full details. You can send in an outline/plan of work or a few paragraphs of a draft, and you should outline the key questions you would like to ask. We cannot provide comments on entire pieces of work.

Please send in material at least **four weeks** before the submission date to allow for sufficient time to be able to receive feedback and do further work where required.

Please be advised, any feedback given is formative and the standard of coursework submitted remains your responsibility. Reassessment is as per the regulations in the student guide.

**Further guidance and support can be found in your student guide, and your academic and writing skills guide, which are available on CANVAS**

**Failure to follow these guidelines will result in a loss of marks**