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1.  Why is vitamin K given to newborns in certain circumstances?

e. To prevent haemorrhagic newborn disease

2.  Isoniazide is usually used to treat tuberculosis as a result isoniazide can lead to deficiency of which vitamin?

d. Vitamin B6 - pyridoxine

3.  Mr. Drake's potassium level is 7.5mmol/L (normal range is 3.5 – 5.1mmol/L). He wants you to tell him if you think one of his medication may be the cause of this . choose from options below.

c. Eplerenone

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4.  Mr. Ahmed wants to buy Sudafed tablets and ibuprofen tablets. He has been stabilized on levothyroxine and also takes folic acid, simvastatin, metformin, tamsulosin, Phenelzine and Hydralazine. Can you make a sale? Choose most appropriate answer.

e. No. Due to risk of significant hypertension. MAOI interacts with pseudoephedrine. Serious!!!

5.  Mr. W. complains of orange stains on his new contact lenses. You check his PMR to see if any of his medication may be responsible. Which of these can stain soft contact lenses?

d. Sulfasalazine

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6.  Bonjela junior for ulcers and teething in children was re-classified a few years ago in the UK from GSL to P. Which ingredient contained in Bonjela is responsible for this change?

d. Lidocaine

7.  Choose the most appropriate option. What would be your concern if Losartan tablets is taken concomitantly with ciclosporin long term.

e. increases risk of Hyperkalaemia

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8.  A woman presents in your pharmacy with feelings of tiredness, swollen and bleeding gums and she complains of severe joint and leg pain. Deficiency of which vitamin can cause the symptoms described?

E. Vitamin C – deficiency causes scurvy.

9.  The patient described reports a potential adverse drug reaction.

Mr. Fresh a 40-year-old man takes Echinacea tablets to treat his cold and flu symptoms. He presents in your pharmacy complaining of heartburn after taking echinacea.

Select the most appropriate option that relates to Yellow Card reporting.

Herbal medicine – report

10.  Which of the following route is recommended to administer vincristine.

D. Intravenous route

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11.  You are working in ChemD pharmacy when the dispenser tells you a short story about her sister.” My sister has been trying for a baby

with her husband for the past 5 years. As a result, she was put on a certain medicine by her doctor. Fortunately, she managed to get pregnant a few months ago and recently, her scan revealed that she is expecting twins. Which medicine used to treat infertility should patients be warned that they might end up having multiple babies (such as twins)?

d. Tamoxifen – can also be used to treat anovulatory infertility.

12.  Regarding Multiple sclerosis, which of the following has research shown could be a risk factor of MS? Choose most appropriate

e. Low levels of vitamin D

13.  Metabolism of Vitamin D requires hydroxylation by the kidney to its active form. Which of the following is the hydroxylated derivative that should be taken by patients with severe renal impairment?

Alfacacidol

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14.  Which drug carries a risk of hemolysis in G6PD deficient patients.
E. Nitrofurantoin

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15.  One afternoon Mr. Clark is admitted to hospital with symptoms of muscle twitches, muscle cramps, severe muscle weakness, palpitations,

increased heart rate. Which electrolyte imbalance is the most likely cause of the patient's symptoms?

e. **Hyperkalaemia**

The next five questions are based on the same list of options, but different scenarios. Each option may be used once, more than once, or not at all. For each of the patients described select the most appropriate drug.

- A. HYDROXYCOBALAMIN
- B. SERTRALINE
- C. THIAMINE
- D. THEOPHYLINE
- E. FOLIC ACID 400mcg
- F. DEXAMETHASONE
- G. PYRIDOXINE
- H. FOLIC ACID 5MG
- I. RAMIPRIL

16.  Ms. E. A 33-year-old female patient presents in your pharmacy and tells you that she is planning to get pregnant with her partner. She mentions that she takes salbutamol inhaler, beclomethasone inhaler, nedocromil and sodium cromoglicate eye drops. She is otherwise fit and well. In light of this, which of the above drugs would you recommend for this patient to start taking straight away? • **E. FOLIC ACID 400mcg**

17.  You work as a community pharmacist. Mr. G. a regular male patient presents in your pharmacy asking to purchase CIALIS together over the counter. He tells you that he needs the drug over the weekend. You decide not to sell the drug after spotting a potential drug interaction on his PMR. Which drug listed above will most likely interact with CIALIS together? • **D. THEOPHYLINE**

18.  A 40-year-old patient is admitted in rehab for alcohol addiction after losing his job 6 months ago. He has been prescribed disulfiram to help him manage his condition. You are asked by his key worker which drug should be given to alcoholics to prevent Wernicke's encephalopathy. What is the most appropriate answer? • **C. THIAMINE**

19.  A 90-year-old patient with a terminal disease is receiving palliative care in a nursing home. She has been prescribed total parenteral nutrition (TPN) by her doctor for 2 months. Her TPN bags contain amino acids, glucose, fat, electrolytes, trace elements and vitamins. Which of the drugs listed above should not be given regularly to this patient whilst on TPN in this scenario? Choose the most appropriate option.

- **A. HYDROXYCOBALAMIN - b12 is given once in 3 months. its not given routinely to patients on TPN**

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20.  After a recent blood test in the geriatric ward, it was discovered that Mr. Philips' (aged 76 years) sodium levels was 155mmol/L NOTE THAT normal range is (135 mmol/L – 145 mmol/L). You look at his medical records to see if his medicines may have contributed to this. Which drug is the most likely cause of Mr. Phillips' electrolyte level?

- **F. DEXAMETHASONE- glucocorticoid corticosteroids cause sodium retention.**