

# EXAM practice lesson

A proton approaches a long line of positive charge so that with it's initial trajectory it would intersect the line. The line has a uniform charge density of 5 nanoC/m. If the proton starts off with velocity 300 km/s a distance 1 km from the line charge, what is the distance of closest approach?

Mass of proton= $1.67E-27$  kg

$K=8.99E9$  Nmm/CC

Hint: find the field and potential that affect the proton.

Problem

Use calculus to  
find the identity  
of Batman.

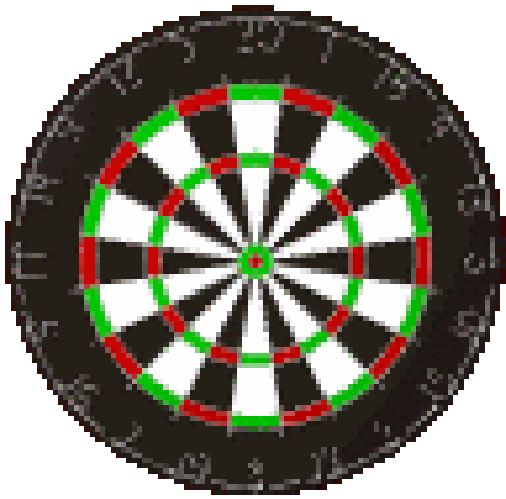


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Bruce  
Wayne

# Don't let this be you....



# OBJECTIVE:

To focus on the structure of (a) and (c) type questions and to use peer marking to improve your exam technique.



# OUTCOMES...

## Grades D

Will be able to give **ONE DEVELOPED** or **TWO SIMPLE** explanations in a (c) type question.

## Grade C

Will be able to give **TWO DEVELOPED** or **FOUR SIMPLE** explanations in a (c) type question.

## Grade B

You will be able to give **THREE DEVELOPED** well written explanations in a (c) type question including key words.

## Grade A-A\*

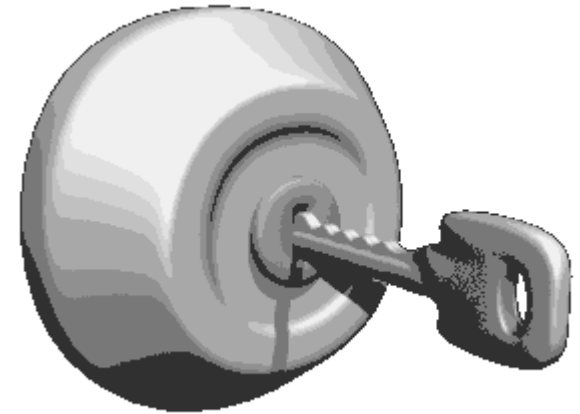
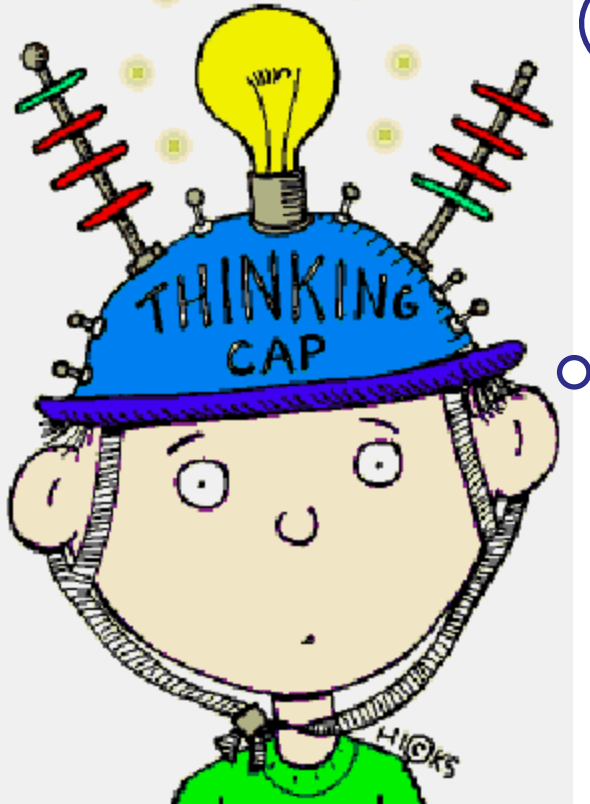
You will be able to give **FOUR DEVELOPED** well written explanations in a (c) type question including key words.

Your **GOALS** for the end of this lesson are...



# STARTER...

Using the mini  
whiteboards define the  
meaning of the following  
**KEY WORDS...**



# Adultery

A - A sexual act between a married person and someone other than their married partner

B - A religious term for when a child becomes an adult

C - Having sex before you are married

The correct answer is ..... A

# Civil partnership

- A - Two friends becoming partners in business
- B - Living together without being married
- C - A legal ceremony giving a homosexual couple the same rights as a husband and wife

The answer is .... C

# Cohabitation

A - Two people having equally bad habits

B - Married people living together without having children

C - Living together without having children

The correct answer is .... C

# Promiscuity

- A - Having sex with a number of partners without commitment
- B - Promising to have sex with someone of the opposite sex
- C - Having sex with a partner before marriage

The answer is .... A

# Procreation

A - Making a new life

B - Being a professional inventor

C - Having as many children as you are physically able



The answer is .... A

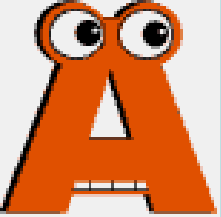
# Pre-marital sex

A - Having sex with a number of partners without commitment

B - Sex before marriage

C - Not having sex until you are married

The correct answer is .... B



# The (a) questions

These questions give you **2 marks** just for knowing the key words and their meanings - **EASY** 😊

This means you **MUST** learn **ALL** the key words for every unit as the (a) questions make up **10%** of your exam.





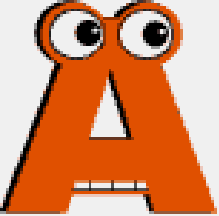
# The (a) questions

## How are they marked?

Its SIMPLES...

These questions are for **2 marks** - you get **FULL** marks for a correct definition 😊.

If you give a definition that is **PARTLY** right you will get **ONE mark**.



# The (a) questions

Now its YOUR turn...



You now have 5 minutes to answer the following...

Please write out the two words and what they mean.

a. What is **MARRIAGE**?

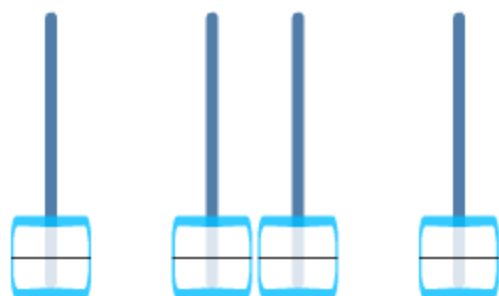
(2 marks)

a. What is **DIVORCE**?

(2 marks)

hours minutes seconds

⋮ ⋮



timer



on

clock



off

final  
whistle



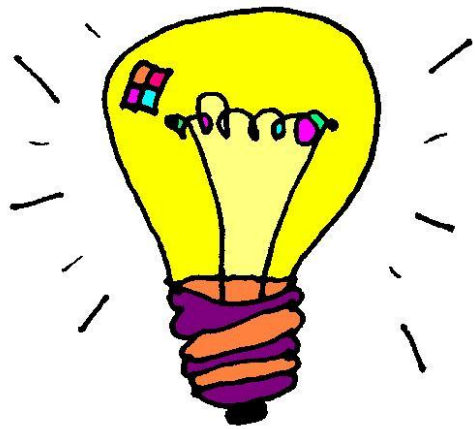
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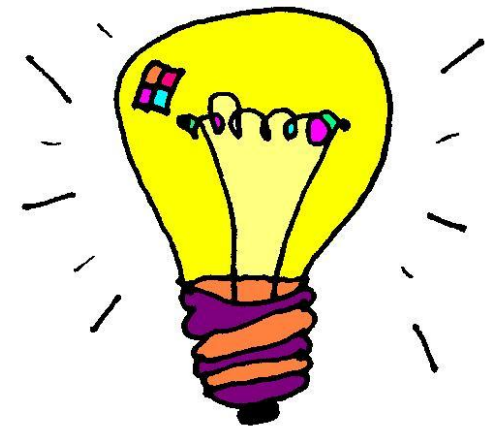


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# Answers



- **MARRIAGE** - the legal joining of a man and a woman
- **DIVORCE** - the legal ending of a marriage



# The (c) questions

With these questions you can earn up to **8 marks** by giving 4 developed explanations.

The examiner is also looking at your style of English so your answer must read well and include **KEY WORDS!**



These are worth **40%** of your total mark so you need to get them spot on!



# The (c) questions

How are they marked?

Its SIMPLES...

1 mark for a simple explanation.

2 marks for a developed explanation.

The more explanations you give the more marks you get 😊



# The (c) questions

## Example:

Explain how a religious upbringing can lead to, or support, a belief in God.  
(8 marks)

*Christians usually teach their children to pray to God. This will make the children believe that God exists because otherwise their parent would not want them to pray to him.*

2 marks given for a developed reason.

*If God did not exist they and their parents would not waste their time praying to nothing. Also they may feel God presence (numinous) when they pray. They have been brought up to pray so they believe God exists.*

4 marks given for further developing their first point and writing in clear English. 4 marks would also have been given for a second developed point.

*Another feature of a Christian upbringing is going to church. When children go to church they see lot of people praying to God and worshipping his so they are bound to believe he exists.*

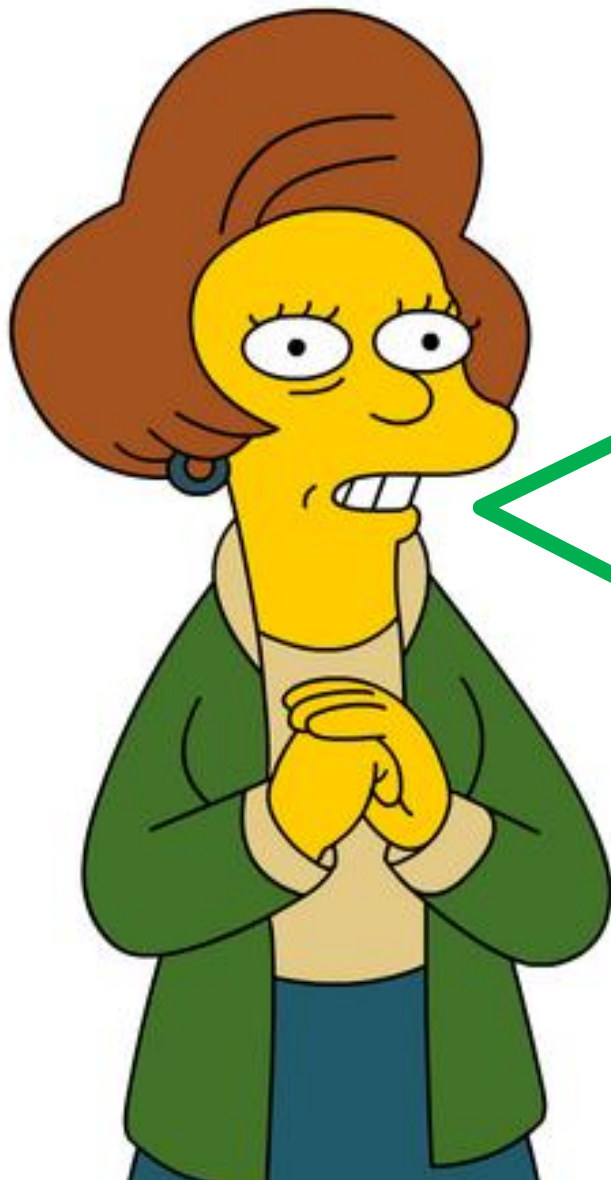
6 marks given for a further developed reason.

*Many Christian parents also send their children to a church school. Here they will have RE lessons teaching them that Go exists and the children are likely to believe what the teachers tell them are true.*

8 marks given for a further developed reason. Answer written in clear in English and includes key words (Church school, numinous)



# The (c) questions



Have a go at marking...

Look at the following answers and give them a mark out of 8.

Remember what makes a good answer!

# Explain what Christians believe about marriage. (8 marks)

*Christians believe that marriage is really important because they think it is what God wants you to do. Jesus went to a wedding and said that marriage is a holy gift from God and Christians should do it if they can.*

*When they get married they make vows to each other where they promise to stay together until death. This shows that Christians think marriage should be for the rest of your life because you promised in Church.*



# Explain what Christians believe about marriage. (8 marks)

*Christians are not allowed to have sex before marriage so marriage is important because it means they can do it properly. Otherwise they are going against the religion and the rule "do not commit adultery".*



# Explain what Christians believe about marriage. (8 marks)

*Christians believe that marriage is important because it is a sacrament. This means that it is a special gift from God and all Christians want to get married in their life.*

*Christians also believe that marriage is important because it allows them to have sex. They believe that sex outside marriage is wrong because the Ten Commandments ban adultery, so getting married means they can do it properly.*

*Christians believe marriage is the best place to bring up children because it is a more stable relationship. Roman Catholics believe that sex is only for procreation and this should happen within marriage.*

*Finally, Christians believe that marriage is a life long commitment. In the wedding service, they believe their vows are made in front of God and cannot be broken whilst they are alive.*



# Explain what Christians believe about marriage. (8 marks)

*I think marriage is outdated these days, because too many people get divorced, and I'm sure Christians agree with me.*

This gets you **NOTHING!**

**<<< WARNING >>>**





# The (c) questions

Now its YOUR turn...



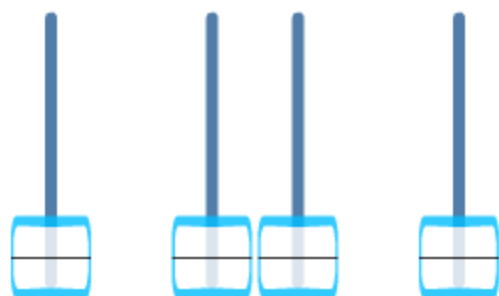
You now have 12 minutes to answer the following...

Please write out the questions and leave space to answer before the timer starts.

Choose one religion other than Christianity and explain what they believe about marriage. (8 marks)

hours minutes seconds

⋮ ⋮



timer



on

clock



off

final  
whistle



off

alerts



off





# The (c) questions



## PEER MARKING

Swap books with the person next to you.

1. Mark their (c) answer giving them a mark out of 8
2. Using the mark scheme at the front of your books give your partner a number and a letter.

PLEASE **DO NOT** MARK IN **RED!**

# OUTCOMES...

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## Grade B

You will be able to give **THREE DEVELOPED** well written explanations in a (c) type question including key words.


## Grade A-A\*

You will be able to give **FOUR DEVELOPED** well written explanations in a (c) type question including key words.

Did you achieve  
the **GOAL**?...



# Plenary...



On your post-it write down **ONE TOP TIP** for answering (c) type questions.

Now place the post-it on the progression TREE.

**RED** (bottom of tree)

I am not feeling confident with (c) type questions

**YELLOW** (middle of tree)

I am feeling OK with (c) type questions

**GREEN** (top of tree)

I am feeling confident with the (c) type questions