

## **10.1 CoAP support four basic methods which are easily mapped to HTTP. Briefly describe the four methods in CoAP.**

### **10.1.1 GET Method**

The GET method retrieves a representation for the information corresponding to the resource identified by the request URI.

### **10.1.2 POST Method**

Using the POST method the representation enclosed in the resource identified by the request URI is processed, s.t. this results either in a new resource or the target resource to be updated.

### **10.1.3 PUT Method**

With the PUT method a resource identified by the request URI is either updated or created with the enclosed representation.

### **10.1.4 DELETE Method**

Using the DELETE method the resource identified by the request URI can be deleted.

## **10.2 Describe the publish-subscribe pattern used in Message Queuing Telemetry Transport Protocol. What are the benefits of this mechanism?**

In MQTT the publishers and subscribers connect to a Broker server. When the publisher publishes information to the server all subscribers are then notified and given this information.

This has the benefit that the subscribers do not need to request information in a certain interval and check whether they changed or not but are instantly given this information as soon as the information was published by the publishers. This also provides transition flexibility and a simplicity of the implementation.