1. Select correct statements: software as a service (SaaS)

**x** **is a service providing software on demand**

□ SaaS is not used for game purposes

□ is a service providing free software

**x** **delivers and licenses software to users**

**x** **is a service accessible using web browser**

□ has problems with software compatibility

□ has insufficient global availability

1. Fill in sentence!

provides users with the ability to upload, store, synchronize, stream, retrieve and share content.

1. Choose correct option: VoD as an abbreviation means

□ voice on demand

□ video data

**x** **video on demand**

□ voice data

1. Assign the terms from the left column to the corresponding definitions on the right!

|  |  |  |
| --- | --- | --- |
| Catch-up TV |  | users pay for every watching (pay-per-view) |
|  |  |  |
| transactional VoD service |  | Users can watch a program broadcasted in multiple copies at short time intervals |
|  |  |  |
| subscription VoD service |  | users don’t pay for content |
|  |  |  |
| near VoD service |  | users pay a monthly fee to access unlimited programs |
|  |  |  |
| advertising VoD service |  | users can watch TV shows and series after their original broadcasting |

1. Choose correct option!

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ – content is available after last byte of content is downloaded.

1. Streaming
2. **Downloading**
3. Processing
4. Coding

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ – content can be viewed by users before its complete download.

1. **Streaming**
2. Downloading
3. Processing
4. Coding
5. Fill particular codecs and containers in corresponding blocks!

**video containers**

**ASF, MP4, WebM, FLV**

**video codecs**

**H.264, VP8**

**audio codecs**

**MP3, AAC, VORBIS**

VORBIS H.264 WebM ASF FLV MP3 VP8 AAC

1. Fill in sentences!

A streaming server delivers the bit stream to a streaming client using a **transport protocol**.

A streaming server supporting adaptive bit rate streaming delivers the bit stream to a streaming client using **HTTP protocol**.

1. Explain two types of CloudGaming service!

Cloud gaming based on video streaming – **video data of a game is streamed from game company’s server (cloud) where particular game is executed and rendered to video data**.

Cloud gaming based on file streaming –**small part of the game is downloaded from game server to user’s device and quickly executed. The rest of the game data is downloaded to the device during playing**.

1. Fill in sentences!

HbbTV is an international standard (specification) which defines a delivery of interactive TV to the users through a common user interface on TVs or set-top-boxes.

1. Name three HbbTV services for:

Video on demand service: **catch-up TV, start-over, push VoD, live streaming.**

Information services: **news, weather, traffic, sport, eGovernment, enhanced teletext,**

**guides, EPG.**