

**Uploaded OpenLab - 8:00 am, Monday March 23, 2020.
Lesson Part One**

Good Morning to all,

We will get through this together and in the next few weeks we will re-define the concept of what is on-line education. I plan to walk slowly and introduce new tools over the next two weeks, keeping this course as interesting and interactive as possible. I suggest that you sign on to Zoom and send me your email and mobile number so I can set up a meeting protocol and establish an on-line meeting group.

I posted a video last week; the video is on sheet-fed printing. Over the 90 minutes, (ending at 9:45 am) please answer the questions listed below, the answers to these questions are to be found via a careful viewing of the video.

Link to assigned video:

https://urldefense.proofpoint.com/v2/url?u=https-3A_youtu.be_RW1HJdW5XLs&d=DwlCAG&c=pRW6ZPn_LDv0DnDIAK65Ad0CA4hBS-2mAmNa2_oHfF0&r=KKmOsKkxK9cTnlamldu2SBJuzi3nAZuV52R9CArSnYo&m=MsAFEND7OdOhzqGVVoQ8jxTwEdt_WnnadjX6xH-ovK_A&s=9eCnodROI-qWytud2Hfg-UiinTv1cMeLpm3Bp7YRiaw&e=

Part Two of Today's Lesson will be an open book mid-term exam, the Mid-Term test will be uploaded at 10:00 am, and you will have an hour or more to complete the test.

Expansion of your answers via online research, providing additional information, expanded answers to the question is strongly suggested and will add to the grade you receive from this effort.

- 1) How many **SECTIONS*** are there on a basic Sheet-fed offset printing press.
- 2) Define the purpose of each **SECTION** (expanded your definition via online sources based and listed references and research).
- 3) How many colors are used on a standard **4-color** Sheet-fed offset press?
- 4) What are the colors used on a basic **4-color** Sheet-fed offset press?
- 5) On the video, how many **UNITS*** are contained within a 4-color Sheet-fed offset press.

- 6) What is the name of the **PROCESS** that allows a press to print both sides of the sheet in one pass?
- 7) What is the purpose of the **perfecting** cylinder?
- 8) Sample sheets are "pulled" and are examined using "**what station**" of a standard, basic 4-color Sheet-fed press, added information about this station can be included, use and list sources.
- 9) What is the first production step when using a standard, basic, Sheet-fed, **4-color press**.
- 10) What devices keeps the plates in **register** during the print process?
- 11) Name and define the use of the three main cylinders, that are the base of a standard 4-color Sheet-fed press. **Plate, Blanket and Impression**
- 12) Explain the composition of the "**new**" inks that are used on a basic Sheet-fed, 4-color press.
- 13) What order of the ink being "**laid down**" printed on the sheet on a sheet is mentioned on this video?
- 14) Describe the **loading process of the substrate/paper** to be printed; added details via sources and links-based research can be used.
- 15) Describe the use and the name of the device to determine that only one sheet of paper is selected and feed into the press. **Sheet gripper system**.
- 16) What are **side lags**?
- 17) What are **sheet grippers** used for?
- 18) What is **anti-set off powder** and why and **when is it used in the print process**?
- 19) Based on the video, describe the **final stage** of the print process as it relates to the 4-color, Sheet-fed offset printing press.
- 20) What device (describe its use) or the **devices** that are used to cut and trim the paper to size.
- 21) Name the term used to describe the **sets of pages** that are collated?
- 22) Can you determine from the video (and from added research) if this is **a fully in-line process** - present your point either for or against this possibility.
- 23) What is the difference between a **stitched and stapled saddled-stitched** book/pamphlet?

*Note SECTIONS are different from UNITS and a careful review of the video will provide you with the correct definitions.

I can be reached during class at 917.597.1891 or by email [at: tkubis@citytech.cuny.edu](mailto:tkubis@citytech.cuny.edu).

PLEASE BE ADVISED I WILL BE USING THE VIDEO REVIEW ASSIGNMENT AND THE MID-TERM EXAM AS AN ATTENDANCE TOOL AS WELL, SO PLEASE MAKE SURE THE INFORMATION IS COMPLETE AND EMAIL TO ME TODAY. INCLUDE YOUR FULL NAME ON EACH DOCUMENT YOU SEND TO ME VIA EMAIL.