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# OFFSET PRINTING MACHINE OPERATOR

**Assessment Package** 

National Vocational Certificate Level 2 Version 1 - September 2018



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# OFFSET PRINTING MACHINE OPERATOR

**Assessment Package** 

National Vocational Certificate Level 2 Version 1 - September 2018

Page 1: Instructions for Candidate (to be given by the Trainer before assessment)

<b>Title of Qualification</b> : Assistant Offset Printing Machine Operator	CS Code: 02110P01E	Level:2	Version:1
<b>Competency Standard:</b> Adhere to Safety Standards and Regulations.	Assessment Date:	D D M	M Y Y

Candidate	Name						
Details	Registration/Roll Number						
Guidance for Candidate	<ol> <li>To meet this standard, you are required to complete the following Task within 03 Hours:</li> <li>Demonstrate occupational health and safety during working on offset printing Machine.</li> <li>Maintain log on log sheet supplied in annexure G-1.</li> <li>Complete Knowledge assessment test (Written)</li> </ol>						
	A- During a practical assessment, under observation by trainer, you will complete following tasks:						
	1. Demonstrate occupational health and safety during working on offset printing machine.						
	1A- Identify specifications of assigned offset machine.						
	1B- Obtain job card/job docket from press room in-charge.						
Minimum	1C- Collect materials as per job requirement.						
Evidence	1D- Apply PPE (Personal Protective Equipment) as per job requirement.						
Required	1E- Perform printing according to job card.						
	4. Maintain log on log sheet supplied in annexure G-1.						
	2A- Report wear and tear on log sheet.						
	2B- Document preventive maintenance activities.						
	B. During assessment, under the observation of trainer, you will complete written knowledge test.						

Continued page 2

Assessment Summary (to be filled by the assessor)								
Activity Method Result								
Nature of Activity Observation Observation				Portfolio	Role Play	Competent	Not Yet Competent	
Practical Skill Demonstration			$\checkmark$		$\checkmark$			
Knowledge Assessment 🖌 🖌								
Other Requirement								

# Page 2: Assessors Judgment Guide (to be completed by the trainer and signed both by the trainer and the candidate after the assessment)

Candidate Details	Name: Candidate Signature:	. Registration/Roll Number:
Assessment Outcome	COMPETENT Name of the Assessor Signature of the Assessor:	NOT YETCOMPETENTAssessor's code:

	Assessment Task1 (with performance criteria)						
Assessr	Assessment Task 1 Description of assessment task 1 Demonstrate occupational health and safety during working on offset printing Machine.						
During the practical assessment, candidate demonstrated the following:				No	Remarks		
1	1 Identified specifications of assigned offset machine.						
2	Obtained job card/job docket from press	room in-charge.					
3	Collected materials as per job requirement.						
4	4 Applied PPE (Personal Protective Equipment) as per job requirement.						
5 Performed printing according to job card.							
Compe	tent	Not Yet Competent					

	Assessment Task 2 (with performance criteria)								
Assess	Assessment Task 2Description of assessment task 2Maintain log on log sheet supplied in annexure H-1.								
During	During the practical assessment, candidate demonstrated the following: Yes No Remarks								
6	6 Reported wear and tear / worn on check list.								
7	Documented preventive maintenance act								
Compe	Competent Not Yet Competent								

## Annexure

G-1 Assistant Offset Printing Machine Operator

## SAFETY DEMONSTRATION LOG SHEET

Name and ID of Assistant Offset Printing Machine Operator

	Date:	Activities start at:A:	M/ P:M End at:A:M/ P:M					
	Assistant Offset Printing Machine Operator							
S. No.	Pre operat	ional activities	Remarks					
1		Press room No.						
2	-	Serial No.						
3	Machine Identification	Make / Manufacturer						
4		Model No.						
5		Printing speed						
6	Job Card information							
7	Material needed	1	2					
8	(Enlist 4 main items)	3	4					
9	PPE Applied	1	2					
	Personal Protective Equipment	3	4					
	Remarks							

	KNOWLEDGE ASSESS	MENT G	QUESTIONNAIRE MODEL			
	Candidate's Name:					
	Father's Name:					
CANDIDATE			Candidate's Signature			
DETAILS	Registration No:	Da	316:			
	Training Institution:					
	Qualification: Assistant Offset Printin	ng Machir	ne Operator. Module G-Adhere to Safety Standards and Regulations			
INSTRUCTIONS	<ul> <li>Time Allowed: <b>30</b> minutes</li> <li>Attain all questions</li> <li>All questions carry equal matrix</li> </ul>	arks.				
SECTION A	Encircle the best answer.					
	Which of the following activity is show	wn by the	symbol on right?			
Q-1	<ul><li>A) Turn on machine for inching</li><li>C) Attendance counter</li></ul>	B) D)	Emergency stop Main switch of press room			
	C) Allendance counter	U)				
	Anything that cannot cause injury, or	damage i	is:			
Q-2	A) safety	B)	Hazard			
	C) workshop	D)	lack of tidiness			
	Which symbol is shown on right?		$\wedge$			
Q-3	A) Danger	B)	Radiation			
	C) High intensity Noise	D)	440V D.C			
Q-4	To extinguish an electrical fire, it is be	est to use	a:			
	A) fire blanket	B)	foam			
	C) carbon dioxide (CO2)	D)	Sand			
Q-5	An operator is supposed to pay speci	al attentio	on to protect his or her if this			
	symbol is around. A) Head	B)	Even			
	C) Toe/feet	D)	Eyes Ears			
Q-6	If you see warning labels or signs on	equipmer	nt you should:			
	A) Read and understand what they					
	B) Follow all the precautions in the la					
	C) Ask your supervisor if you don't understand					
	D) All of the above					

Q-7	<b>lf yo</b> A)	u see a broken part of a tool or a pie Tell a supervisor/ Senior	ece of e B)	equipment you should: Use it carefully
	C)	Try to repair it	D)	Both, B & C are true
Q-8	Mac	hine guards mean:		
Q-0	A)	People who guard equipment	B)	Plates and covers that go over moving equipment parts
	C)	Not required at your workplace	D)	Can be move or removed by any employee
Q-9	Eaui	pment operating instructions are:		
QU	– <b>q</b> A)	For new employee	B)	Only guidelines
	C)	Specified steps to follow every time	) D)	None of the above
Q-10	lf I s	ee fluid leaking from a machine I sh	ould:	
	A)	Use a rag to slow the leak	B)	Clean up the fluid at the end of my shift
	C)	Use water to dilute the fluid	D)	Immediately tell a supervisor / senior operator
Q-11	Com	mon responsibility of all people is t	o keep	•
	A)	Tidy	B)	Clean oil and chemical spillage.
	C)	Clear from hindrance	D)	All of above
Q-12	offse	et printing machine operator?		activity on the start of a working day for an assistant
	A)	Perform registration	B)	Manage humidity
	C)	Interpret Docket	D)	Clean press
Q-13	cloth	ו?		present ordinary combustibles such as wood, paper&
	A) C)	K B	B) D)	A C
	0)	В	D)	C
Q-14	Wha	t is the hazard indicated in the safe	ty syml	bol?
	A)	Moving parts		
	B)	Pinch point		
	C)	Keep hands away from rollers/cyl	inders	
	D)	All of above		
Q-15	The	symbol/Label indicates:		
	A)	Do not Operate	B)	Lock out Tag out (LOTO)
	C)	Machine is under maintenance	D)	All of the above
		Th	ank Yo	u!

Note: This template can be used both for single CS and for integrated assessment

### Page 1: Instructions for Candidate (to be given by the Trainer before assessment)

<b>Title of Qualification</b> : Assistant Offset Printing Machine Operator	CS Code: 02110P01G	Level:2	Version:1
<b>Competency Standard:</b> Complete documentation requirement	Assessment Date:	D D M	M Y Y

Candidate Details	Name Registration/Roll Number
Guidance for Candidate	<ul> <li>To meet this standard, you are required to complete the following Tasks within 02 Hours:</li> <li>1. Prepare weekly Production report on Performa supplied in annexure F-1.</li> <li>2. Prepare material requisition request on the sample supplied in annexure F-2</li> <li>3. Complete Knowledge assessment test (Enclosed)</li> <li>4. Get signature of Trainer on Portfolios.</li> </ul>
Minimum Evidence Required	<ul> <li>A- During a practical assessment, under observation by trainer, you will complete following Tasks:</li> <li>1. Produce production documents on supplied template in annexure F-1.</li> <li>1A- Prepare weekly production report on template F-1 compatible with the material supplied.</li> <li>1B- Record operational interruptions on template F-1.</li> <li>1C- Maintain over time record as per printing press SOPs.</li> <li>2. Submit material requisition request on the sample supplied in annexure F-2</li> <li>2A- Prepare consumable requisition on supplied templateF-2 for Next week operations.</li> <li>2B- Prepare non-consumable requisition on supplied templateF-2 for Next week operations.</li> <li>B- During assessment, under observation by trainer, you will complete written knowledge test</li> <li>C- Provide portfolio of machine log.</li> </ul>

# Page 2: Assessors Judgment Guide (to be completed by the Assessor and signed both by the assessor and the candidate after the assessment)

Candidate Details	Name: Registration/Roll Number:					
	Candidate Signatu	re:				
Assessment Outcome	COMPETENT		NOT YETCOMPETENT			
	Name of the Assessor (Trainer)					
	Signature of the A	ssessor:				

Assessment Summary (to be filled by the assessor)										
Activity		1	Metho	d		Re	sult			
Nature of Activity	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent			
Practical Skill Demonstration			$\checkmark$		$\checkmark$					
Knowledge Assessment	$\checkmark$	$\checkmark$								
Other Requirement				✓						

	Each Assessment Task (with performance criteria)									
Assess	ment Task 1	supplie	d Temp	late in annexure F-1.						
During	the practical assessment, canc	Yes	No	Remarks						
1	Prepared weekly production with the material supplied.									
2	Determined operational inter	rruptions on template F-1.								
3	Maintained over time record									
Compe	etent	•	•							

	Each Assessment Task (with performance criteria)										
Assessment Task 2       Description of assessment task 2         Submit material requisition request on the sample supplied in anne         2											
During	the practical assessment, car	ndidate demonstrated the following:	Yes	No	Remarks						
1	Prepared Consumable requisit week operations.	ion on supplied template F-2 for Next									
2	Prepared Non-Consumable rec week operations.										
Compe	tent										

Portfolio         Description of portfolio           A: Offset Printing Mach						
Current S ient Autl ic  S Reliable						
Portfolio meet the following performance standards:					No	Remarks
1 Kept machine log updated as per SOPs						
Compe	tent		Not Yet Competent		]	

Annexure

**F-1** 

## WEEKLY PRODUCTION REPORT

Name and ID of Assistant Offset Printing Machine Operator

Assistant Offset Machine Operator

	AOMO (Assistant Offset Printing Machine Operator)											
Day	Date	Ti	me	Machine No.			Time spe	nt (Hours)			Units Produced	Remarks
Day	Date	Start	End		Pre Run	Make ready	Production	Post print	Interruption(s)	Break(s)	(Number)	Remarks
Mon.												
Tue.												
Wed.												
Thu.												
Fri.												
Sat.												
					E	xtra ordinary	report (Optio	nal)				
									Δn	proved By	/:	

Annexure <b>F-2</b> Assistant Offset Printing Machine	PRESS ROOM REQUISITION SHEET	Name and ID of Assistant Offset Printing Machine operator
Operator		

Requis	Requisition Date: Machine No						
			AOMO (Assistant Offset Printing Machine Operator)				
ltem	Qty	Unit	Description		Туре	!	Remarks
No.	Qty	Unit	Description	Tool	Equip.	Consumable	Reindriko
Mon.							
Tue.							
Wed.							
Thu.							
Fri.							
Sat.							

Requisition writer	Project/Assignment In-charge	Authority remarks

	KNOWLEDGE ASSESSMENT QUESTIONNARIE MODEL
	Candidate's Name:
	Father's Name:
CANDIDATE	Candidate's Signature
DETAILS	Training Institution:
	Qualification:         Assistant Offset Printing Machine Operator.         Module: F-Complete Documentation           Requirements         Module:         F-Complete Documentation
QUESTIONS	Time allowed 15 minutes.
Q.1 What is the pro	ocedure of maintaining oil level according to machine SOPs?
Answer: check the	oil gauge and update the log register.
Q.2	What is the procedure of maintaining water level in chiller (pH, conductivity and temperature)?
Answer: check pH	conductivity and temperature in water through meter and maintain the log book.
Q.3: Make report for	machine failure incidents in the press comprising of atleast 20 words in Local / Urdu/ English.

Page 1: Instructions for Candidate (to be given by the Trainer before assessment)

Title of Qualifica Machine Operato	<b>ation</b> : Assistant Offset Printing r	CS Code: 0211 Level:2 Version:1 OPO1B					
Competency Sta on docket	<b>Indard:</b> Interpret printing instructions	Assessment Date: D D M M Y Y					
Candidate Details	Name Registration/Roll Number						
Guidance for Candidate		to complete the following tasks within 02 Hours: n annexure B-1 with the printing instructions test.					
Minimum Evidence Required	following Tasks: 1A- Mention job require 1B- Select offset printing 1C- Collect printing ma 1D- Verify substrate fre	ement shown in worksheet. g plates as per job requirement. terial as per quantity mentioned in docket. om docket.					

# Page 2: Assessors Judgment Guide (to be completed by the Trainer and signed both by the trainer and the candidate after the assessment)

Candidate	Name: Registration/Roll Number:						
Details	Candidate Signatu	re:					
Assessment	COMPETENT		NOT YETCOMPETENT				
Outcome	Name of the Assessor (Trainer)						
	Signature of the A	ssessor:					

Assessment Summary (to be filled by the assessor)										
Activity		1	Metho	d		Re	sult			
Nature of Activity	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent			
Practical Skill Demonstration			✓		✓					
Knowledge Assessment	✓	✓								
Other Requirement										

	Each Assessment Task (with performance criteria)						
Assessment TaskDescription of assessment task 1Fill in information sheet shown in annexure B-1 with the printing instructionobtained from supplied docket							
During follow		ent, candidate demonstrated the	Yes	No	Remarks		
1	Mentioned job requ	iirement shown in worksheet.					
2	Selected offset prin	ting plates as per job requirement.					
3	Collected printing n	naterial as per quantity mentioned in docket	t.				
4	Verified substrate f	rom docket.					
Comp	Competent Not Yet Competent						

P.O No. by: Nasir Mehmood, Manager operations	<b>b Card</b> ery date: <b>rch 2022</b>
by:       Nasir Mehmood, Manager operations       Delive 22 Ma         Assigned       on:       15 March 2022         For:       Mr. Zaheer Butt (Gilgit College of I.T)         Price:       XXXXXXXXX         Job Type:       Flyer         Quantity:       2000	
Assigned on:       15 March 2022         For:       Mr. Zaheer Butt (Gilgit College of I.T)         Price:       XXXXXXXXX         Job Type:       Flyer         Quantity:       2000	rch 2022
Price:XXXXXXXXXJob Type:FlyerQuantity:2000	
Quantity: 2000	
Color: 2+ 0	
size 9 x 11(1/2)	
Type Offset	
Paper Reams 1	
GSM 80	
Plates 2	
Special instructions: Match colors as per provided sample	
Job Sample As per provided by the assessor remove	

Annexure
<b>2-B</b>

Assistant Offset Printing Machine Operator

### POST PRODUCTION OPERATIONS WORK SHEET

Name and ID of Assistant Offset Printing Machine Operator

Job	Job Card No: AOMO Assistant Offset Printin										<b>,</b>	
			AOMO Assista	nt Offset Printi	ng Mac	hine (	Opera	tor				
S. No.	S. No. Job Card Instructions			Information								
1	Purchase or	der numbe	r									
2	2 Job number											
3	— Date		Start	D	D	Μ	Μ	Y	Y	Y	Y	
4			Delivery	D	D	Μ	Μ	Y	Y	Y	Y	
5			Name									
6	Client detail Company Address											
7												
8	8 Job Quantity (encircle appropriate)			4000 20			2000	000 1500				
9			size		23x36"		09x11.5"			25x36"		
10	Substrate			type	Off	Offset Paper		Art card			Sticker	
11	Plates quant	ity				1		2		4		
12	Job colors					1		2		4		
13	Art work instructions			Available Not available					ole			
14	4 shade card			Available				Not available				
15	15 Text Approval		Available			Not available						
16	16 Job Sample Enclosed		Yes No									
				Notes (Optio	nal)							

	KNOWLEDGE ASSESSMENT QUESTIONNAIRE M	ODEL				
CANDIDATE DETAILS	Candidate Name: Father's Name: Registration No: Date: Training Institution: Qualification: Assistant Offset Printing Machine Operator. Module B: Interpret printing Instruction on job card/docket.	C C				
NOTE	<ul> <li>Time Allowed: 20 minutes</li> <li>Attain all questions.</li> <li>All questions carry equal marks.</li> </ul>					
INSTRUCTIONS	Encircle the best answer.					
Q-1	What information do you get out of shade card?					
	a) Acceptable range between Light, standard a	nd dark variation.				
	b) Correct text					
	c) Design approval					
	d) Job size					
Q-2	In this sequence of printing which is the last color? Cyan, Ma	agenta, Yellow and:				
	a) Blue					
	b) Black					
	c) Green					
	d) Red					
Q-3	Which of the following coating is NOT used in offset printing	?				
	a) UV gloss varnish					
	b) Water Base gloss coating					
	c) Over print varnish					
	d) Powder coating					
Q-4	P.S. printing plate should be prevented from exposure to dire	ect sun light.				
	a) True					
	b) False					

Q-5	Does every kind of paper or board have a grain direction?					
	a) Yes					
	b) No					
Q-6	Which is irrelevant information for the Job Docket?					
	a) Job name					
	b) Job Qty					
	c) Number of color					
	d) Quotation details					
Q-7	What is art work?					
	a) Ink requirement					
	b) Maintain ink quantity					
	c) Design of Job					
	d) Quantity of Sheets					
Q-8	What is Text Approval used for?					
	a) Checking ink shade					
	b) To check text, font and spelling					
	c) To check L*A*B values					
	d) To check density					
Q-9	What is Job Docket used for?					
	a) To give job instructions for printing					
	b) To obtain quotation					
	c) To obtain text approval from customer					
	d) To make final invoice.					
Q-10	Substrate size and grain direction is important part of job docket.					
	a) True					
	b) False					
	Thank You!					

Page 1: Instructions for Candidate (to be given by the Trainer before assessment)

Title of Qualifica Machine Operato		CS Code: 02110P01C	Level:2 Version:1					
Competency Sta	andard: Make Ready Print. Assess	ment Date:	D M M Y Y					
Candidate Details	Name Registration/Roll Number							
Guidance for Candidate	To meet this standard, you are required to complete the following Tasks within 02 Hours: 1. Perform make ready operations as per worksheet in annexure C-1. 2. Complete Knowledge assessment test							
	A- During a practical assessment, under observation by trainer, you will complete following Tasks:							
	1. Perform make ready operations as per worksheet in annexure C-1.							
Minimum	1A- Follow the check list to make machine ready for printing.							
Evidence	1B- Adjust machine size as per job requirement.							
Required	1C- Verify job quality by Performing paper ru							
	ete written							

# Page 2: Assessors Judgment Guide (to be completed by the Trainer and signed both by the Trainer and the candidate after the assessment)

Candidate	Name:Registration/Roll Number:						
Details	Candidate Signature:						
Assessment	COMPETENT		NOT YETCOMPETENT				
Outcome	Name of the Assessor (Trainer)						
	Signature of the A	ssessor:					

Assessment Summary (to be filled by the assessor)							
Activity		I	Metho	d		Re	sult
Nature of Activity	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent
Practical Skill Demonstration			$\checkmark$		$\checkmark$		
Knowledge Assessment	$\checkmark$	✓					
Other Requirement							

	Each Assessment Task (with performance criteria)					
Assessment TaskDescription of assessment task 1Perform make ready operations as per worksheet in annexureC-1					in annexureC-1.	
During	ring the practical assessment, candidate demonstrated the following: Yes No Remarks					
1						
2	Followed the check list to make machine ready for printing.					
3	Adjusted machine size as per job requirement.					
4	Verified job quality by Performing paper run.					
Compe	Competent Not Yet Competent					

## Annexure **C-1** Assistant Offset

**Printing Machine** Operator

1

2

3

4

5

6

7

8

9

Verified availability of consumable

Verified registration

#### Name and ID of **Assistant Offset Printing Machine** Operator

#### Machine No. ---Date: ----- A:M / P:M End at: ----- A:M / P:M **AOMO (Assistant Offset Printing Machine Operator) Make Ready Print** S. No. Remarks (Please check appropriate) Performed Pre run Yes No Verified Substrate for printing Yes No Mounted Plate(s) as per job requirement Yes No Adjusted Position of Sidelay and Headlay Yes No Adjusted feeder according to job size Yes No Adjusted delivery of machine for print run. Yes No Installed cylinders packing Yes No

Yes

Yes

Notes (Optional)

No

No

MAKE READY PRINT WORKSHEET

3

	KNOWLEDGE ASSESSMENT QUEST	IONNAIRE MODEL
	Candidate's Name:	
	Father's Name:	
CANDIDATE DETAILS	Registration No: Date:	Candidate's Signature
	Training Institution:	
	Qualification: Assistant Offset Printing Machine ope	erator. Module: C-Make ready Print
	Time Allowed: 20 minutes	
NOTE	Attain all questions.	
	All questions carry equal marks.	
INSTRUCTIONS	Encircle the best answer.	
Q-1	When printing job starts, it goes through a process	
	A)PrepressCB)Post pressD	
Q-2	Plate punching is used to obtain accurate:	
82	A) Inking C	) inching
	B) L*A*B D	) registration.
Q-3	Which side of the plate is called Headlay (Frontlay)	side :
	A) Front C	,
	B) Right side D	) Bottom
Q-4	The offset machine part shown on the right is:	
	A)Feeder side layCB)Delivery side joggersD	,
	, ,	
Q-5	Side lay is used for:	
	A)Front registration of Paper / BoardCB)Both front and side registrationD	· • • •
	5	<u> </u>

Q-6	The cause of improper registration is impropeA)oilingB)Paper / board feeding	<b>r:</b> C) D)	ink mixing Greasing
Q-7	What is the function of Blanket?		
	A) To make paper curler	C)	To transfer image on substrate.
	B) To dry the paper	D)	Exhaust air from delivery unit.
Q-8	The function of delivery fan is to:		
	A) form accurate pile	C)	dry the sheet
	B) provide ventilation	D)	give vibration to paper pile
Q-9	Why is it necessary to use calibrated packing	sheets?	
	A) Even impression all over the sheet	C)	It helps in diagonal registration
	B) To reduce in ink consumption	D)	To rectify defect in printing blanket
Q-10	Setting of delivery joggers is necessary before	e pre run.	
	A) True	В)	False
	Thank Yo	u!	

Page 1: Instructions for Candidate (to be given by the Trainer before assessment)

<b>Title of Qualification</b> : Assistant Offset Printing Machine Operator	CS Code: 02110P01E	Level:2	Version:1
Competency Standard: Perform post production activities.	Assessment Date:	D D M	M Y Y

Candidate Details	Name Registration/Roll Number								
Guidance for Candidate	<ol> <li>To meet this standard, you are required to complete the following Taskswithin 03 Hours:</li> <li>Perform post production operations as per press room SOPs</li> <li>Report post production activities in check List in Annexure E-1</li> <li>Complete Knowledge assessment test (Enclosed)</li> </ol>								
	A- During a practical assessment, under observation by trainer, you will complete following Tasks:								
	1. Perform post production operations as per as per Press roomSOPs								
	1A- Handle Post production job as per Printing Press SOPs.								
	1B- Perform ink rollers cleaning as per Original Equipment Manual(OEM)								
	1C- Wash Printing platesas per OEM.								
	1D- Wash printing blanketsas per OEM.								
Minimum	1E- Clean impression cylindersas per OEM.								
Evidence Required	1F- Wash Dampening rollersas per OEM.								
nequireu	1G- Perform ink Knife cleaning as per OEM.								
	1H- Manage waste as per press room SOPs.								
	2. Report post production activities in Annexure E-1.								
	2A- Record post production activities performed in Annexure E-1.								
	<ul> <li>B- During assessment, under observation by trainer, you will complete written knowledge test</li> </ul>								

# Page 2: Assessors Judgment Guide (to be completed by the Trainer and signed both by the Trainer and the candidate after the assessment)

Candidate Details		Registration/Roll Number:	
Assessment Outcome		NOT YETCOMPETENT	s code:

Assessment Summary (to be filled by the assessor)							
Activity		Method				Re	sult
Nature of Activity	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent
Practical Skill Demonstration			$\checkmark$		$\checkmark$		
Knowledge Assessment	✓	✓					
Other Requirement							

	Each Assessment Task (with performance criteria)					
Assess	ment Task 1 Description of assessment Perform post production of		ns as per as	per Press room SOPs.		
During follow	the practical assessment, candidate demonstrated the ing:	Yes	No	Remarks		
1	Handled Post production job as per Printing Press SOPs.					
2	Performed ink rollers cleaning as per Printing press SOPs.					
3	Washed Printing plates as per Printing press SOPs.					
4	Washed printing blankets as per Printing press SOPs.					
5	Cleaned impression cylinders as per Printing press SOPs					
6	WashedDampening rollers as per Printing press SOPs					
7	Performed ink Knife cleaning as per Printing press SOPs					
Competent Not Yet Competent						

Each Assessment Task (with performance criteria)						
Assessment Task 2Description of assessment task 2Report post production activities in Annexure E-1.						
During the practical assessment, candid following:	No	Remarks				
1 Recorded post production activities performed in Annexure E-1.						
Competent	Not Yet Competent	ב				

Annexure

**E-1** Assistant Offset Printing Machine Operator

## CHECKLIST POST PRODUCTION OPERATIONS

#### Name and ID of Offset Printing Machine Operator

Machine No. Date: Activities start at: A:M/P:M 5. End at: ÷ -A:M/ P:M AOMO Job Handling Remarks (Please check appropriate) S. No. 1 Job quality Good Average **Below Average** 2 Job counter reading Proper Over Less 3 Job stacking Done Not done No action taken Machine Cleaning & washing Cleaned Not Cleaned No action Taken 5 Ink Rollers Cleaned Not cleaned No action Taken 6 Printing plates 7 Cleaned Not cleaned Replaced Blankets Cleaned Not cleaned No action Taken 8 Impression cylinders 9 Washed Replaced No action Taken Damping rollers Cleaned Not cleaned replaced 10 Ink knives Cleaned Not cleaned No action Taken Head lay assembly 11 Waste Management Not applicable No action Taken 12 Dry waste Count Done Not applicable Done No action Taken 13 Dry waste storage Not applicable No action Taken 14 Done Liquid waste management Extra ordinary report (Optional)

	KNOWLEDGE ASSESSMENT QUESTIONARRE MODEL	
CANDIDATE DETAILS	Candidate's Name: Father's Name: Registration No: Training Institution: Qualification: Assistant Offset Printing Machine operator Module: E- Perform Post production activitie	es
NOTE	<ul> <li>Time Allowed: 20 minutes</li> <li>Attain all questions</li> <li>Marks: All questions carry equal marks</li> </ul>	
INSTRUCTION:	Encircle the best answer.	
	What is the purpose of Roller cleaning?         A)       To remove the residual ink from the rollers       B)       To increase water temperature         C)       Printing plate cleaning       D)       To clean the impression cylinder	
A	an of printing rollers is reduced if adopt following measures?A)Use kerosene oilB)Use roller wash chemicalsC)use roller cleaning pasteD)I.P.A	
Ă	g plate is cleaned to:A)Clear scum from plateB)Maintain PH valueC)Correct registrationD)Maintain ink and water balance	
A	Docess of applying a thin coating of an adhesive on printing plate: A) Guttering B) <b>Gumming</b> C) Desensitizing D) De-composing	
A	nethod of washing ink from plate?A)Plate cleanerB)roller washC)I.P.AD)Fountain solution	
A	Ige is transferred from plate to substrate by?A)BlanketB)Impression cylinderC)RollerD)Damping rollers	
A	vill happen if blanket is not washed during printing?A)Scum on printed sheetB)Mis-registrationC)Color variationD)Speed loss	
substrat A	rd metal cylinder presses the paper against the inked blanket cylinder, transferring the inked image to the ate. What is this cylinder called? A) Impression Cylinder B) Feeder C) Blanket cylinder D) Rubber blanket	
A	Machine part transfer water to printing plate?A)Damping unitB)Blanket cylinderC)Ink ductD)Impression cylinder	
A	bl used to clean ink roller is: A) Cleaning brush B) Ink knife C) Sheet separator D) Offset shovel Thank You	

Page 1: Instructions for Candidate (to be given by the Trainer before assessment)

<b>Title of Qualification</b> : Assistant Offset Printing Machine Operator	CS Code: 0211 OPO1A	Level:2	Version:1
Competency Standard: Perform Pre-run Maintenance.	Assessment Date:	DM	M Y Y

Candidate Details	Name Registration/Roll Number
Guidance for Candidate	<ol> <li>To meet this standard, you are required to complete the following tasks within 03 Hours:</li> <li>Perform pre operational activities as per press room standards.</li> <li>Report pre-operational activities to operator on activities list shown in Annexure A-1.</li> <li>Complete knowledge assessment(Enclosed)</li> <li>Get endorsement of trainer on portfolio</li> </ol>
	A- During a practical assessment, under observation by trainer, you will complete following Tasks:
	1. Perform pre operational activities as per press room standards.
	1A- Clean printing machine as per press room standards
	1B- Maintain oil level as per machine requirement.
	1C- Test forward inching for normal operation
	1D- Report humidity level of press room to operator/supervisor.
Minimum Evidence	2. Report pre operational activities to operator on activities List shown in Annexure A-1.
Required	2A- Record cleaning operations activities performed in Annexure A-1 to obtain operational status.
	2B- Record oiling activities in AnnexureA-1 to obtain machine operational status.
	2C- Record about inching process performed in AnnexureA-1 to obtain machine operational status.
	B. During assessment, under observation by trainer, you will complete written knowledge test
	C. During assessment under observation, you will produce Module a Portfolio, for endorsement from authority of training institute.

# Page 2: Assessors Judgment Guide (to be completed by the Trainer and signed both by the Trainer and the candidate after the assessment)

Candidate Details	Name:Registration/Roll Number:							
Assessment Outcome	COMPETENT       NOT YETCOMPETENT         Name of the Assessor(Trainer)       Assessor's code:         Signature of the Assessor:							
	Assessm	ent Su	ımmar	y (to b	e fille	d by th	e assessor)	
Activ	vity		ſ	Netho	d		Re	sult
Nature of Activity		Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent
Practical Skill Der	nonstration			✓		$\checkmark$		
Knowledge Assessment		✓	✓					
Other Requireme								

	Assessment Task (with performance criteria)							
Assessment Task 1 Description of assessment ta Perform pre operational activ				<b>ask 1</b> vities as per press room standa				
During	the practical assessment, candidate der	No	Remarks					
1	1 Cleaned printing machine as per press room Standards							
2	Maintained oil level as per machine re	quirement.						
3	Tested forward inching for normal operation							
4 Reported humidity level of press room to operator/supervisor.								
Competent Not Yet Competent								

	Assessment Task (with performance criteria)							
Assessment Task 2       Description of assessment task2         Report pre operational activities to operator on activities shown in Annexure A-1.								
During	the practical assessment, candidate demonstra	ted the following:	Yes	No	Remarks			
1	1 Recorded cleaning operations activities performed in Annexure A-1 to obtain operational status.							
2 Recorded oiling activities in Annexure A-1 to obtain machine operational status.								
3	Recorded about inching process performed in Appexure A-1 to							

Compe	tent 🗌 I	Not Yet Competent			
Portfolio     Description of portfolio       A:Log book       Current Si ient     Auti ic					
Portfolio meet the following performance standards:			Yes	No	Remarks
1	Performed periodic cleaning as per duty	chart.			
2	Compared quality of oil in machine with quality recommended in machine manual.				
3	3 Verified inching through test print.				
4	4 Applied humidity management techniques in press room.				
Compe	tent	Not Yet Competent			

## Annexure

A-1 Assistant Offset Printing Machine Operator

## PRE-RUN OPERATIONAL ACTIVITIES REPORT

Name and ID of Assistant Offset Printing Machine Operator

Mach	Machine No Date: A:M/ P:M End at: A:M/ P:M						
	AOMO (Assistant Offset Printing Machine Operator)						
S. No.	Pre operation	onal activities	<b>Remarks</b> (Please encircle appropriate)				
			Yes	No	Not required		
1	Opted Personal Protective	Equipment					
2	Performed machine surrour	nding cleaning					
3	Performed machine cleanin	ıg					
4	Maintained machine oil						
5	Reported about machine s	tatus to operator/ supervisor					
		Extra ordinary repor	rt (Optional)				

	KNOWLEDGE ASSESSMENT QUESTIONNAI	RE MODEL
	Candidate's Name:	
	Father's Name:	
CANDIDATE DETAILS	Registration No: Date:	Candidate's Signature
DETAILS		
	Training Institution:	
	Qualification: Assistant offset printing machine operator. Mo	dule: A- Perform pre run maintenance
NOTE	<ul> <li>Time Allowed: 20 minutes</li> <li>Attain all questions.</li> <li>All questions carry equal marks.</li> </ul>	
INSTRUCTIONS	Encircle the best answer.	
Q-1	Wood Block printing is one of the fastest techniques for printing a) True B) False	Э.
Q-2	Which of the following is NOT printing process? a) Offset lithography.	
	b) Flexography	
	c) Digital printing	
	d) Calligraphy	
	e) Screen printing	
Q-3	What part of a Printing Machine shown on right?	
	a) Head lay b) Feeder	
	c) Gripper assembly	HH HH HP
	d) Roller	
Q-4	A bad environment is solely responsible for spoiling the health	
-	Common responsibility of all people is to keep the workplace er	ivironment:
	a) Tidy b) Clean water and other spillage	
	c) Clear from hindrance	
	d) All of above	

	Manage humidity Interpret Docket
Q-6 Which	of the following is your best choice for printing plate cleaning?
<b>a)</b> b) c) d)	Plate cleaner Alcohol Acid Distilled water
Q-7 Which	statement is correct regarding preventive maintenance?
<b>a)</b> b) c) d)	<b>To change only lubricant and filter timely</b> To check only fuel system timely To maintain the vehicle performance at all time Only to inspect and replace components
Q-8 <b>ISO VO</b>	G 32 is a type of:
<b>a)</b> b) c) d)	Hydraulic Oil Grease Fountain additives, Plate cleaner
Q-9 What i	s the application of tool shown on the right?
a) b) <b>c)</b> d)	s the application of tool shown on the right? Pulling out bearings of printing machine Cleaning and repairing Blanket Applying grease Measuring Ph
-	of the following kinds of maintenance could increase chances of machine operation without for longer duration?
a) b) <b>c)</b> d)	Preventive breakdown <b>Routine</b> Emergency
	Thank You!

Page 1: Instructions for Candidate (to be given by the Trainer before assessment)

<b>Title of Qualification</b> : Assistant Offset Printing Machine Operator	CS Code: 0211 OPO1D	Level:2	Version:1
Competency Standard: Perform print run	Assessment Date:	DM	M Y Y

Candidate Details	Name Registration/Roll Number
Guidance for Candidate	To meet this standard, you are required to complete the following Tasks within 03 Hours: 1. Perform Print run operations for 200 flyers shown in annexure D-1. 2. Complete Knowledge assessment test (Enclosed) 3. Get signature of Trainer on Portfolio
Minimum Evidence Required	<ul> <li>A- During a practical assessment, under observation by trainer, you will complete following Tasks:</li> <li>1. Perform Print run operations for 200 flyers shown in annexure D-1.</li> <li>1A- Handle Post production job as per Printing press SOPs.</li> <li>1B- Perform ink rollers cleaning as per Original Equipment Manual(OEM) instructions.</li> <li>1C- Wash Printing plates as per OEM Instructions.</li> <li>1D- Wash printing blankets as per OEM Instructions.</li> <li>1E- Clean impression cylinders as per OEM Instructions.</li> <li>1F- Wash Dampening rollers s per OEM Instructions.</li> <li>1G- Perform ink Knife cleaning as per OEM Instructions.</li> <li>1H- Manage waste as per press room SOPs.</li> <li>B- During assessment, under observation by trainer, you will complete written knowledge test</li> </ul>
	C- During assessment under observation, you will produce Module D Portfolios, for endorsement from authority of training institute.

# Page 2: Assessors Judgment Guide (to be completed by the Trainer and signed both by the Trainer and the candidate after the assessment)

Candidate	Name:Registration/Roll Number:					
Details	Candidate Signature:					
Assessment	COMPETENT		NOT YETCOMPETENT			
Outcome	Name of the Asse	essor (Trainer)	Assessor	's code:		
	Signature of the A	Assessor:				

Assessment Summary (to be filled by the assessor)							
Activity		Method				Re	sult
Nature of Activity	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent
Practical Skill Demonstration			$\checkmark$		✓		
Knowledge Assessment	✓	$\checkmark$					
Other Requirement				✓			

	Each Assessment Task (with performance criteria)				
Assess	Assessment TaskDescription of assessment taskPerform Print run operations for 50 flayers shown in annexure D-1.				
During the practical assessment, candidate demonstrated the following:			Yes	No	Remarks
1	Handled Post production job as	per Printing Press SOPs.			
2	Performed ink rollers cleaning as per Original Equipment Manual(OEM) instructions.				
3	Washed Printing plates as per OEM Instructions.				
4	4 Washed printing blankets as per OEM Instructions.				
5	Cleaned impression cylinders as	per OEM Instructions.			
6	Washed Dampening rollers as per OEM Instructions.				
7	Performed ink Knife cleaning as per OEM Instructions.				
8	8 Managed waste as per press room SOPs.				
Compe	Competent Not Yet Competent				

Portfoli	o	Description of portfolio: A: Practical/Work/assignment/Job/Activity sheets, Projects reports, B: Any graphical evidence, daily diary/Log book or Test results sheets.				
Current	Sufficient 🗌 Au	Authentic Valid Reliable				
Portfoli	ortfolio meet the following performance standards: Yes No Remark				Remarks	
1	Removed Ink residuals from mac					
2	Verified printing blankets for nor					
3	Replaced dampening tube as per					
4	Replaced Knives rubber as per SO	OPs				

Competent Annexur D-1 Assistant Offse Machine Opera	et	Not Yet C PERFORM P		Name and ID of Assistant Offset Printing Machine Operator
G-	802	Delivery date: 22 March 2022		Job Card
	by:	Nasir Mehmood, Manager operations		
Assigned	on:	15 March 2022		
Price:	For:	Mr. Nazir Khan ( APLM) X XXXXXXXX		
Job Size:		9 X 11.5		
Quantity:		200	ALL	PAKISTAN LED
Color:		2+ 0	MA	NUFACTURERS
	size	9" X 11.5		
Paper	Туре	offset		
	Reams	1		
	GSM	70		
Plates		2		
Special in	structions	: Sample Enclosed	<ul> <li>O123456789</li> <li>Khuzdar, Pakistan</li> <li>www.nothing@somthing</li> </ul>	ALL THE BEST

	KNOWLEDGE ASSESSMENT QUESTIONNA	
	Candidate's Name:	
CANDIDATE DETAILS	Father's Name:	
	Registration No: Date:	Candidate's Signature
	Training Institution:	
	Qualification: Assistant offset Printing Machine operator.	Module: D- Perform Print run
NOTE	<ul> <li>Time Allowed: 20 minutes</li> <li>Attain all questions.</li> <li>All questions carry equal marks.</li> </ul>	

INSTRUCTIONS	Encircle the best answer.								
Q-1	Which of the following is NOT used for color matching?A)pH meterB)Color proofC)Color measuring devicesD)Shade cards								
Q-2	Which of the following is the most important check for printing registration?A)Registration marksB)Color barsC)Paper GSMD)Paper type								
Q-3	If ink density is not maintained, what effects we will see in printing?A)ScummingB)Colour variationC)Set-off problemD)All of the above								
Q-4	Smudging is cause of:A)dot gainB)high printing speedC)ink roller problemD)paper problem								
Q-5	Reason for dot gain during printing is:A)blanket settingB)Ink roller setting.C)damping roller settingD)All of these								
Q-6	Proper placement of all colors of the picture is known as:A)registrationB)scummingC)ink color sequenceD)damping								

Q-7	Job Positioning on substrate is determineA)headlay and sidelay marksC)color bars	ed by: <sup>B)</sup> backlay marks <sup>D)</sup> paper side Trimming
Q-8	Which tool is used for checking of registraA)Magnifying glassC)p.H meter	<ul> <li>B) Densitometer</li> <li>D) Conductivity meter</li> </ul>
Q-9	What is the ideal value of Delta E?A)3C)7	B) 5 D) 6
Q-10	<ul> <li>Which of the following is used to define can be a series of the following is used to define can be a series of the following series of the fo</li></ul>	B) p.H value D) Conductivity meter
	Thank Y	/ou!

Page 1: Instructions for Candidate (to be given by the Assessor before assessment)

<b>Title of Qualification</b> : Assistant Offset Printing Machine Operator		CS Code:	Level:2	Version:1	]
Competency Standard: Integrated Assessment	Asse	essment Date:	DE	M M Y	Y

Candidate Details	Name Registration/Roll Number
Guidance for Candidate	<ul> <li>To meet this standard, you are required to complete the following Task within 03 Hours:</li> <li>1. Print one set of 200Flyers as shown in attached docket.</li> <li>2. Complete Knowledge assessment test</li> <li>3. Present Modular portfolios to Assessor.</li> </ul>
Minimum Evidence Required	<ul> <li>A- During a practical assessment, under observation by assessor, you will complete following Tasks:</li> <li>1. Print one set of 200 two color papers on offset machines shown in attached docket.</li> <li>1A- Perform pre-run maintenance according to printing press SOP's.</li> <li>1B- Collect materials according to Job/Card.</li> <li>1C- Make print ready as per job card.</li> <li>1D- Perform print run according to SOP's.</li> <li>1E- Perform color management to obtain printing results as per job card.</li> <li>1F- Perform post print operations as per SOP's.</li> <li>B- During assessment, under observation by assessor, you will Complete written knowledge test.</li> <li>C- During assessment under observation, you will produce endorsed modular Portfolios to Assessor</li> </ul>

### Page 2: Assessors Judgment Guide (to be completed by the Assessor and signed both by the assessor and the candidate after the assessment)

Candidate	Name:Registration/Roll Number:							
Details	Candidate Signature:							
Assessment Outcome			NOT YETCOMPETENT					

Assessment Summary (to be filled by the assessor)								
Activity		Method				Result		
Nature of Activity	Written	Oral	Observation	Portfolio	Role Play	Competent	Not Yet Competent	
Practical Skill Demonstration			$\checkmark$		✓			
Knowledge Assessment	✓	✓						
Other Requirement				✓				

	Assessment Task (with performance criteria)							
Assess	Assessment Task 1       Description of assessment task 1         Print one set of 50 single color papers on offset machine shown in attached docket,							
During	During the practical assessment, candidate demonstrated the following: Yes No Remarks							
1	Performed pre-run maintenance accordin	ig to printing press SOP's.						
2	Collected materials according to Job/Card	l						
3	Made print ready as per job card.							
4	Performed print run according to SOP's.							
5	Performed color management to obtain card.							
6	Performed post print operations as per SC	OP's.						
Compe	tent	Not Yet Competent						
Portfol								
Current	t Settion to Autlic	Y Reliable		L				
Portfol	Portfolio meet the following performance standards:			No	Remarks			
1	Performance standards of Module A,B,C,E	E,G,H & L						
2	OJT Log record							
Compe	etent							

THE COLOR DEAL		The Color Deal Printing Pakistan	Job Card		
P.O No.					
	by:	Miss Farzana Toor, Director Admin	G-83-A	1	
Assigned	on:	16 March 2022	0-03-A	Delivery deter	
Price:	For:	Mr. Fareed Khan (Turbat Arts and crafts) N.A		Delivery date: 22nd March	
Job Type: Quantity:		Flyer <sup>200</sup>	Color:	2+ 0	
Paper	size Reams	9 x 11(1/2) 1	Type GSM	offset 70	
Plates		2			

Sample No.1	Sample No.2
Sample provided by assessor	Sample provided by assessor
Sample No.3	
Sample provide	ed by the assessor

	KNOWLEDGE ASSESSMENT QUESTIONARI	RE MODEL
	Candidate's Name:	
	Father's Name:	
• • • • • • • <del>• •</del>	Registration No: Date:	Candidate's Signature
CANDIDATE DETAILS	Assessor Name:	e No. CBA/
	Training Institution:	
	Qualification : Assistant offset Machine operator. As	sessment: Integrated (All modules)
INSTRUCTIONS	<ul> <li>Time Allowed: 40 minutes</li> <li>Attain all (Fifteen) questions.</li> <li>All questions carry equal marks.</li> </ul>	

SECTION B	Encircle the best and	Swer						
Q-1	This occurs when offset printed sheets are cut before the ink is dry.							
	A)	Set off		C)	Ghosting.			
	B)	Grainy Look		D)	Poor Registration			
Q-2	Mark the term	to prepare printing mac	hine for a new iob.					
	A)	Fountain	, <b>,</b>	C)	inching			
	B)	Make ready		D)	registration.			
Q-3	As used on a print A) B) C) D)	ng press, what is a blank The large sheet used to co A full coating of ink. A rubber sheet that trans The mat beneath the pres	ver it at night to keep i fers ink to the paper.					
Q-4	A folded sample used to show finished size, shape, and binding requirements.							
	A)	Dummy:	B) Proof		C) Docket	D)	Model	
Q-5	<b>148 x 210 mm or</b> A)	<b>5.8 x 8.3 in is the pape</b> A3	r commonly called: B) A5	C)	A4	D)	A6	

Good luck!

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