

COMPUTER AIDED DESIGNING (CAD)

Assessment Package

National Vocational Certificate Level 2

Version 1 - August 2019

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Document Version

August, 2019
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COMPUTER AIDED DESIGNING (CAD)

Assessment Package

National Vocational
Certificate Level 2

Version 1 - August 2019

Instruction Sheet for the Candidate

Qualification	0611ICT08 National Vocational Certificate Level-2 in Information Technology (AutoCAD)
Competency Standard	061100488 Perform Basic Computer Operations
Purpose of Assessment	Formative Assessment
Candidate Details	Name_____ Registration/Roll Number_____
Guidance for Candidate	To meet this standard you are required to complete the following within 04 hour time frame (for practical demonstration & assessment): <ol style="list-style-type: none"> 1. Prepare a computer system by installing any CAD software in your computer. 2. Develop a documents in Word Processing, Excel and Power Point as per Annexure- A , B and C respectively 3. Knowledge Assessment
Time: 04 Hours	During a practical assessment, under observation by an assessor, you are required to “ <i>Develop drawing given in Annexure-A or Annexure-b or Annexure-C as per given dimension and specification</i> “ demonstrating the following criteria:
Minimum Evidence Required	<ol style="list-style-type: none"> 1. Connect Computer components and peripherals as per requirements. 2. Install System software and application software according to the Instructional Manual. 3. Troubleshoot Applications to trace and fix faults (if any) to bring it in a running condition. 4. Follow health, safety and security procedures to ensure safe working environment. 5. Compose a document as per the requirements. 6. Assign name and location to save a file in word file format. 7. Format Word Document according to given requirements. 8. Develop a worksheet as per given data. 9. Format the worksheet according to given job requirement. 10. Apply Formulas according to given criteria. 11. Generate Charts/Graphs according to the given data. 12. Insert Slides with different Layouts according to requirements of presentation. 13. Insert text, tables, images, etc. according to the requirements. 14. Apply a set of effects to animate the slide according to requirements. 15. Apply Slide Transitions on Slides according to requirement. 16. Apply Sound Effects on Objects/text/images according to job requirements. 17. Generate hard copy of created document (Word, Excel, and Power Point) according to job requirements.

Instructions to Follow

TABLE WITH DIFFERENT SIZED CELLS

1. This task involves the merging of cells to form a table as you see overleaf
2. Use **A4 Portrait** paper
3. Use **1½ line** spacing for the **BODY** only of the table
4. Use a **Decimal tab** to align figures in the money columns. Just remember to click on **Decimal** in the Tabs dialog box under Alignment
5. Center the completed exercise **vertically** and **horizontally** on the page
6. Do NOT center text within cells
7. **Insert Hyperlink**
8. **Insert Header / Footer (Insert Page number, Title)**
9. Save as "**Annexure-A**" to your D drive

COMPUTER HARDWARE

This is
what
happens
when you
insert a
Footnote

COMPUTER HARDWARE PRICES ¹		
TYPE OF COMPUTER	STYLE	
	DESKTOP	NOTEBOOK
	€	€
• Dell Core i.7	999.99	1467.99
• Compaq P4	1,245.50	1495.99
• Casio BP400	799.00	869.00
• Dell Inspiron	1399.00	1599.00
• Compaq P3	895.99	1189.99

[For more information click here](#)

¹ Show Foot Here

ANNEXURE-B

Instructions:

Design the worksheet given below and

- Find Obtained Marks
- Calculate Percentage, Total marks=550
- Show the status as Pass or Fail of each student, where Pass \geq 50
- Validate input (Obtained Marks should not be greater than total marks)**
- Assign grades if students status is pass, as per the criteria given below:
 - A+ \geq 90 A \geq 80 B \geq 65 C \geq 50 and F below 50
- Give Remarks according to grades of each students as follows
 - A+ = Excellent, A = Very Good, B = Good, C = Average
- Draw a line graph of column Student Vs English
- Show Students names who got maximum and minimum marks at bottom in Royal Blue and Red Colors respectively

RESULT SHEET												
R. No.	Student Name	Maths		St ts		English	Pak Studies	Obtained Marks	%age	Status	Grade	Remarks
		A	B	A	B							
		100	100	100	100							
1	Hashir	85	88	85	90	91	46	485	88.18	Pass	B	Very Good
2	Abdullah	66	70	72	75	78	42					
3	Shahbaz	45	46	44	48	62	26					
4	Zeshan	75	78	73	74	72	36					
5	Shahzaib	62	56	60	58	60	32					
6	Rafay	35	36	25	28	36	28					
7	Husnain	70	68	67	68	69	36					
8	Akram	55	54	52	48	59	37					
9	Kashif	90	96	96	95	94	50					
10	Tahir	78	86	85	78	82	46					

Instruction:

Create 10 slides presentation about your Institute with the following instructions

- 1) Create a slide design template
- 2) Apply any option from following Animations
 - a. Entrance effects:
 - b. Emphasis effects:
- 3) Apply Sound Effects to each slide
- 4) Set transition timing up to 3 seconds
- 5) Set animation timing up to 5 seconds
- 6) Set animation on auto.
- 7) Each slide have different design
- 8) Insert Picture, Table, Shapes and Action button as per job requirement.
- 9) Apply motion path at least to one object.

Self-Assessment Checklist

Candidate Name	
Registration No.	
Qualification	0611ICT08 National Vocational Certificate Level-2 in Information Technology (AutoCAD)
Competency Standard	061100488 Perform Basic Computer Operations
Purpose of Assessment	Formative Assessment
Assessment Task	1. Prepare a computer system by installing any CAD software in your computer. 2. Develop documents in Word Processing, Excel and Power Point as per Annexure- A, B and C respectively.

I can.....

Performance Criteria	Yes	No
1. Connect Computer components and peripherals as per requirements.	<input type="checkbox"/>	<input type="checkbox"/>
2. Install System software and application software according to the Instructional Manual.	<input type="checkbox"/>	<input type="checkbox"/>
3. Troubleshoot Applications to trace and fix faults (if any) to bring it in a running condition.	<input type="checkbox"/>	<input type="checkbox"/>
4. Follow health, safety and security procedures to ensure safe working environment.	<input type="checkbox"/>	<input type="checkbox"/>
5. Compose a document as per the requirements.	<input type="checkbox"/>	<input type="checkbox"/>
6. Assign name and location to save a file in word file format.	<input type="checkbox"/>	<input type="checkbox"/>
7. Format Word Document according to given requirements.	<input type="checkbox"/>	<input type="checkbox"/>
8. Develop a worksheet as per given data.	<input type="checkbox"/>	<input type="checkbox"/>
9. Format the worksheet according to given job requirement.	<input type="checkbox"/>	<input type="checkbox"/>
10. Apply Formulas according to given criteria.	<input type="checkbox"/>	<input type="checkbox"/>
11. Generate Charts/Graphs according to the given data.	<input type="checkbox"/>	<input type="checkbox"/>
12. Insert Slides with different Layouts according to requirements of presentation.	<input type="checkbox"/>	<input type="checkbox"/>
13. Insert text, tables, images, etc. according to the requirements.	<input type="checkbox"/>	<input type="checkbox"/>
14. Apply a set of effects to animate the slide according to requirements.	<input type="checkbox"/>	<input type="checkbox"/>
15. Apply Slide Transitions on Slides according to requirement.	<input type="checkbox"/>	<input type="checkbox"/>
16. Apply Sound Effects on Objects/text/images according to job requirements.	<input type="checkbox"/>	<input type="checkbox"/>
17. Generate hard copy of created document (Word, Excel, and Power Point) according to job requirements.	<input type="checkbox"/>	<input type="checkbox"/>

Candidate's Signature _____ Assessor's Signature _____

Date: _____

Assessors Judgment Guide

Qualification	0611ICT08 National Vocational Certificate Level-2 in Information Technology (AutoCAD)
Competency Standard	061100488 Perform Basic Computer Operations
Candidate Details	Name: _____ Registration/Roll Number: _____ Signature: _____
Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor _____ Assessor's code: _____ Signature: _____

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			✓				
Knowledge Assessment		✓					
Other Requirement							

Observation Checklist

Assessment Tasks	1. Prepare a computer system by installing any CAD software in your computer. 2. Develop documents in Word Processing, Excel, Power Point as per Annexure-A, B and C respectively.			
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Connected Computer components and peripherals as per requirements.			
2.	Installed System software and application software according to the Instructional Manual.			
3.	Troubleshoot Applications to trace and fix faults (if any) to bring it in a running condition.			
4.	Followed health, safety and security procedures to ensure safe working environment.			
5.	Composed a document as per the requirements.			
6.	Assigned name and location to save a file in word file format.			
7.	Formatted Word Document according to given requirements.			
8.	Developed a worksheet as per given data.			
9.	Formatted the worksheet according to given job requirement.			
10.	Applied Formulas according to given criteria.			
11.	Generated Charts/Graphs according to the given data.			
12.	Inserted Slides with different Layouts according to requirements of presentation.			
13.	Inserted text, tables, images, etc. according to the requirements.			
14.	Applied a set of effects to animate the slide according to requirements.			
15.	Applied Slide Transitions on Slides according to requirement.			
16.	Applied Sound Effects on Objects/text/images according to job requirements.			
17.	Generated hard copy of created documents in (Word, Excel, and Power Point) according to job requirements.			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Knowledge Assessment

Qualification	0611ICT08 National Vocational Certificate Level-2 in Information Technology (AutoCAD)
Competency Standard	061100488 Perform Basic Computer Operations
Candidate Details	Name: _____ Registration/Roll Number: _____ Candidate Signature: _____
Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor: _____ Assessor's code: _____ Signature of the Assessor: _____

Candidate's response is not required to be identical, but similar concepts and/or keywords must be used. Oral questioning may be used to clarify candidate understanding of topic and its application.

Questions (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)		Satisfactory	Not Satisfactory
1.	Differentiate between footnote and End Note?		
2.	What is the use of cross-reference?		
3.	What is the purpose of Macro?		
4.	What function use to return today date?		
5.	What function to get the smallest number in a range of cells?		
6.	Why we use Vlookup tool?		
7.	Short cut key to slide show in Power point?		
8.	Difference between transitions and animations?		

Feedback to the Candidate
Candidate's Signature_____ Assessor's Signature _____

Instruction Sheet for the Candidate

Qualification	0611ICT08 National Vocational Certificate Level-2 in Information Technology (AutoCAD)
Competency Standard	061100489 Develop 2D Drawings
Purpose of Assessment	Formative Assessment
Candidate Details	Name _____ Registration/Roll Number _____
Guidance for Candidate	To meet this standard you are required to complete the following within 04 Hrs. time frame (for practical demonstration & assessment): Create a 'House Plan' along with 1 Elevation and 1 Section using AutoCAD 2D fundamentals according to given sample (Annexure-A) and take the printout of the plan.
Time: 04 Hrs.	During a practical assessment, under observation by an assessor, you are required to “ Develop drawing given in Annexure-A as per given dimension and specification “ demonstrating the following criteria:
Minimum Evidence Required	<ol style="list-style-type: none"> 1. Setup drawing interface for required specifications. 2. Setup user interface settings for required specifications. 3. Save AutoCAD drawing files in different file formats (e.g. dwg, PDF, JPG). 4. Create 2D objects with given measurements. 5. Edit 2D Objects to meet set standards. 6. Use appropriate command and tools to develop 2D drawing 7. Develop 2D Drawing with given project specification and measurements. 8. Create title block layout as required. 9. Plot drawing on scale according to required size and orientation.

Self-Assessment Checklist

Candidate Name	
Registration No.	
Qualification	0611ICT08 National Vocational Certificate Level-2 in Information Technology (AutoCAD)
Competency Standard	061100489 Develop 2D Drawings
Purpose of Assessment	Formative Assessment
Assessment Task	Create a 'House Plan' along with 1 Elevation and 1 Section using AutoCAD 2D Fundamentals according to given sample (Annexure-A) and take the printout of the plan.

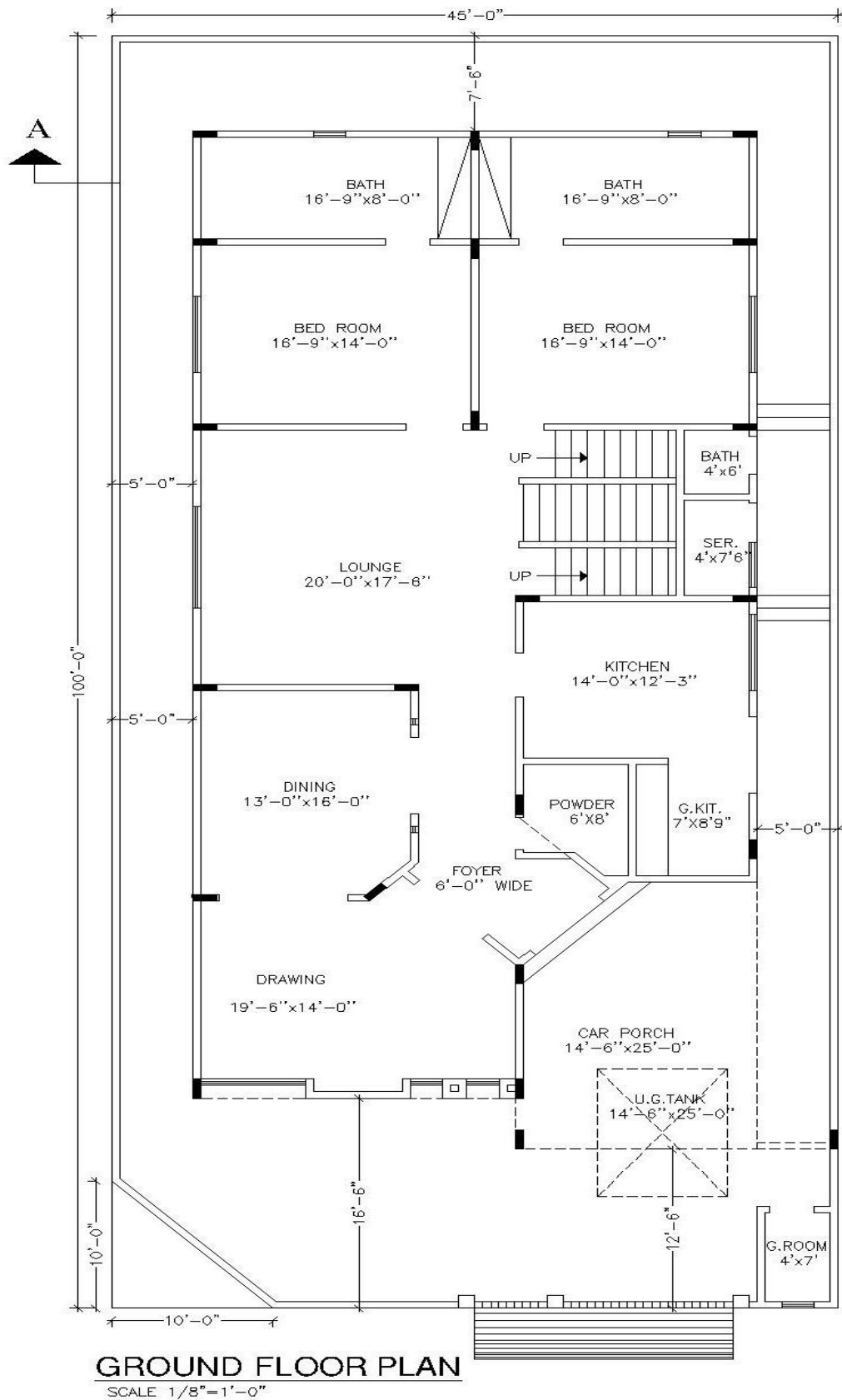
I can.....

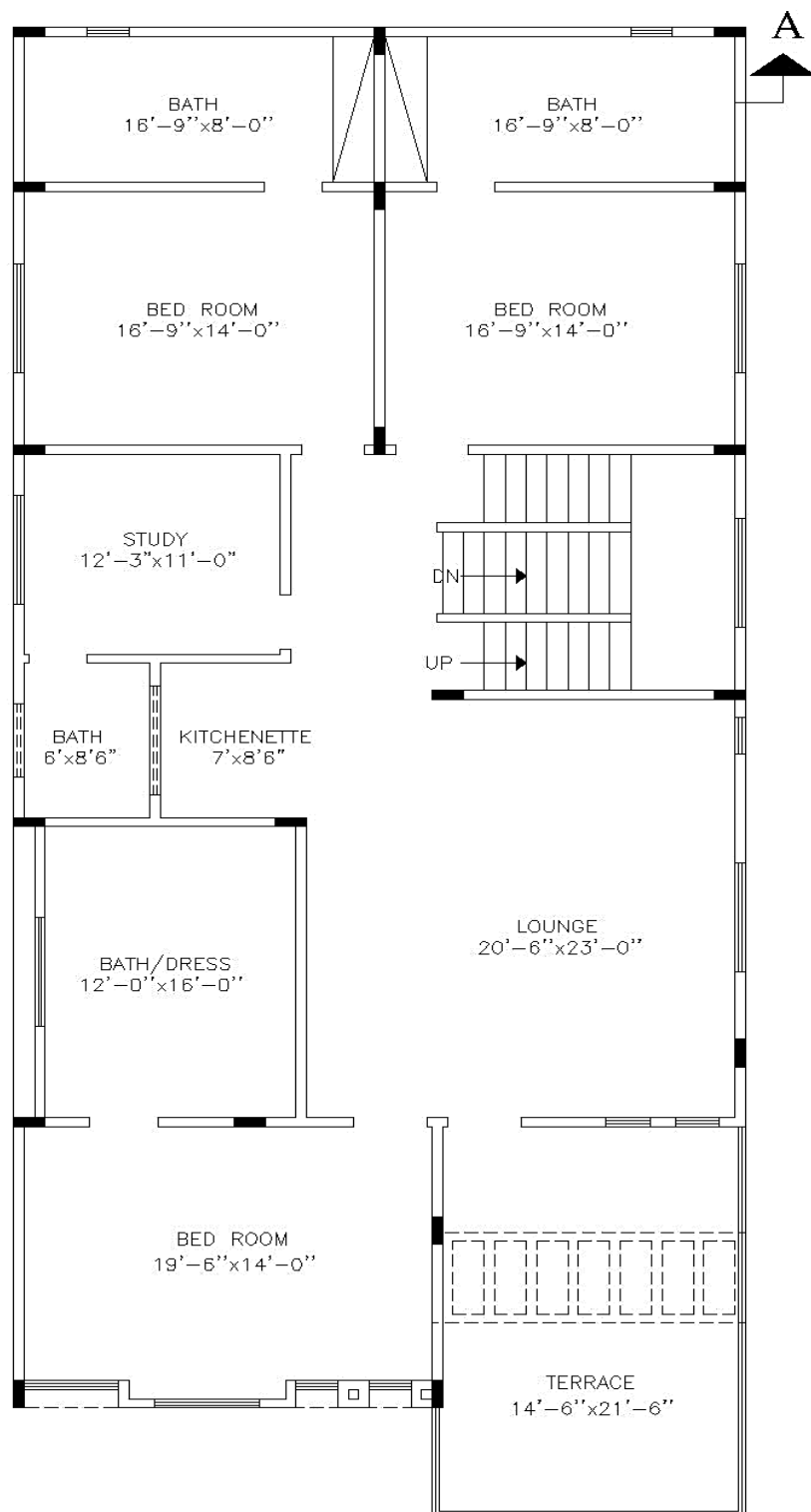
Performance Criteria	Yes	No
1. Setup drawing interface for required specifications.	<input type="checkbox"/>	<input type="checkbox"/>
2. Setup user interface settings for required specifications.	<input type="checkbox"/>	<input type="checkbox"/>
3. Save AutoCAD drawing files in different file formats (e.g dwg, PDF, JPG).	<input type="checkbox"/>	<input type="checkbox"/>
4. Create 2D objects with given measurements.	<input type="checkbox"/>	<input type="checkbox"/>
5. Edit 2D Objects to meet set standards.	<input type="checkbox"/>	<input type="checkbox"/>
6. Use appropriate command and tools to develop 2D drawing	<input type="checkbox"/>	<input type="checkbox"/>
7. Develop 2D Drawing with given project specification and measurements.	<input type="checkbox"/>	<input type="checkbox"/>
8. Create title block layout as required.	<input type="checkbox"/>	<input type="checkbox"/>
9. Plot drawing on scale according to required size and orientation.	<input type="checkbox"/>	<input type="checkbox"/>

Candidate's Signature _____ Assessor's Signature _____

Date: _____

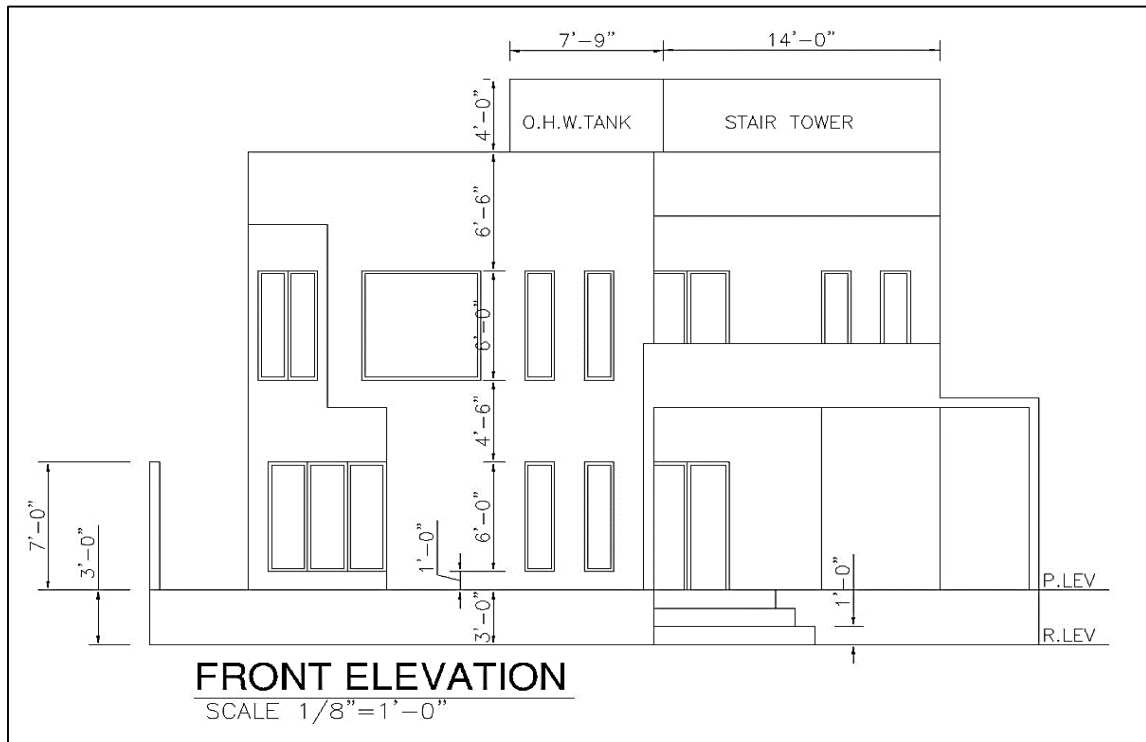
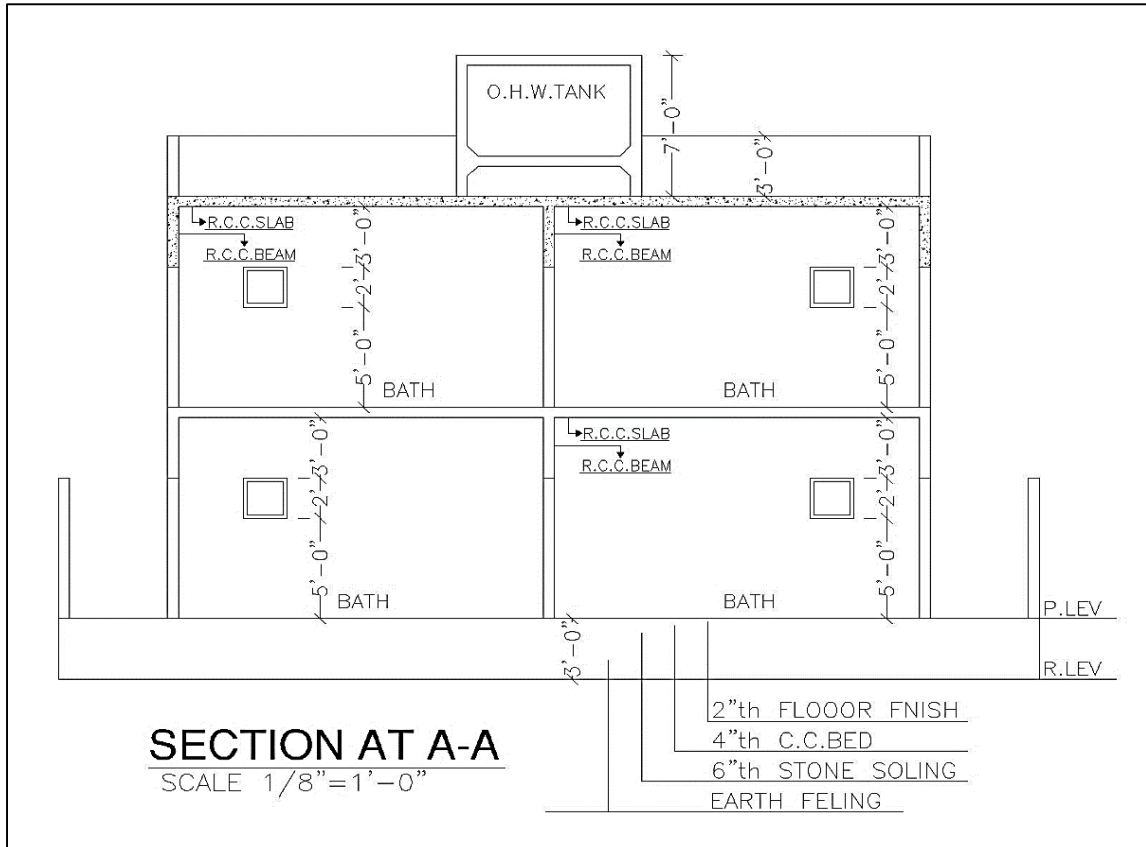
ANNUXURE-A





FIRST FLOOR PLAN

SCALE 1/8"=1'-0"



Assessors Judgment Guide

Qualification	0611ICT08 National Vocational Certificate Level-2 in Information Technology (AutoCAD)
Competency Standard	061100489 Develop 2D Drawings
Purpose of Assessment	Formative Assessment
Candidate Details	Name: _____ Registration/Roll Number: _____ Signature: _____
Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor _____ Assessor's code: _____ Signature: _____

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			✓				
Knowledge Assessment		✓					
Other Requirement							

Observation Checklist

Assessment Task	Create a 'House Plan' along with 1 Elevation and 1 Section using AutoCAD 2D Fundamentals according to given sample (Annexure-A) and take the printout of the plan.			
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Setup drawing interface for required specifications.			
2.	Setup user interface settings for required specifications.			
3.	Create 2D objects with given measurements.			
4.	Save AutoCAD drawing files in different file formats (e.g. dwg, PDF, JPG).			
5.	Edit 2D Objects to meet set standards.			
6.	Use appropriate command and tools to develop 2D drawings.			
7.	Develop 2D Drawing with given project specification and measurements.			
8.	Create title block layout as required.			
9.	Plot drawing on scale according to required size and orientation.			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Knowledge Assessment

Qualification	0611ICT08 National Vocational Certificate Level-2 in Information Technology (AutoCAD)
Competency Standard	061100489 Develop 2D Drawings
Purpose of Assessment	Formative Assessment
Candidate Details	Name: _____ Registration/Roll Number: _____ Candidate Signature: _____
Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor: _____ Assessor's code: _____ Signature of the Assessor: _____

Candidate's response is not required to be identical, but similar concepts and/or keywords must be used. Oral questioning may be used to clarify candidate understanding of topic and its application.

Questions (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)		Satisfactory	Not Satisfactory
1.	Differentiate between Fillet and Chamfer command?		
2.	What is the use of layers in AutoCAD?		
3.	What is the purpose of Construction Line command in AutoCAD?		

4.	Difference between Line and 2D Polyline?		
5.	What do you know about Geographical Location command in AutoCAD?		
6.	What is the difference between Section & Elevation?		

Feedback to the Candidate	
Candidate's Signature _____	Assessor's Signature _____

Assessors Judgment Guide

Qualification	0611ICT08 National Vocational Certificate Level-2 in Information Technology (AutoCAD)
Competency Standard	061100490 Develop 3D Model using AutoCAD
Purpose of Assessment	Formative Assessment
Candidate Details	Name: _____ Registration Number: _____ Signature: _____
Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor _____ Assessor's code: _____ Signature: _____

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			✓				
Knowledge Assessment		✓					
Other Requirement							

Observation Checklist

Assessment Task	Create a 3D “House Model” for the following plot dimension (A= 25’, B=33’, C = 33’ and D = 43’) as given in Annexure-A (<i>All sides closed except street side</i>) by using AutoCAD with the following requirements. <ul style="list-style-type: none"> ○ Two Bedrooms with attached bath ○ One kitchen (10 ft x 10 ft) ○ TV Lounge (As per space) ○ Car Porch (10 ft x 10 ft) ○ Stairs ○ Proper Ventilation ○ Space Utilization 			
During the practical assessment, candidate demonstrated the following:		Yes	No	Remarks
1.	Setup & save 3D drawing interface for required specifications.			
2.	Setup 3D user interface settings for required specifications.			
3.	Created 3D objects with given measurements.			
4.	Modified 3D objects in line with the requirements.			
5.	Made customized 3D models according to the requirement of given job.			
6.	Convert 3D Face objects into a single mesh objects.			
7.	Applied material to required 3D Model as per given specification.			
8.	Applied lights to get the requisite scene of required 3D model.			
9.	Assigned cameras to execute different views of required 3D Model.			
10.	Rendered and print the 3D model according to required size & orientation.			
Competent <input type="checkbox"/>		Not Yet Competent <input type="checkbox"/>		

Knowledge Assessment

Qualification	
Competency Standard	
Candidate Details	Name: _____ Registration Number: _____ Candidate Signature: _____
Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor: _____ Assessor's code: _____ Signature of the Assessor: _____

Candidate's response is not required to be identical, but similar concepts and/or keywords must be used. Oral questioning may be used to clarify candidate understanding of topic and its application.

Questions (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)		Satisfactory	Not Satisfactory
1.	Differentiate between Loft and Sweep command?		
2.	What is the use of Distant light in AutoCAD?		
3.	What is the purpose of mesh command in AutoCAD?		

4.	Difference between 2D Polyline and 3D Polyline		
5.	What do you know about Flatshot?		

Feedback to the Candidate	
Candidate's Signature_____ Assessor's Signature _____	

Instruction Sheet for the Candidate

Qualification	0611ICT08 National Vocational Certificate Level-2 in Information Technology (AutoCAD)
Competency Standard	061100490 Develop 3D Model using AutoCAD
Purpose of Assessment	Formative Assessment
Candidate Details	Name _____ Registration Number _____
Guidance for Candidate	<p>To meet this standard you are required to complete the following within 04 Hrs. time frame (for practical demonstration & assessment):</p> <ol style="list-style-type: none"> Develop a 3D “House Model” for the following plot dimension (A= 25’, B=33’, C = 33’ and D = 43’) as given in Annexure -A (<i>All sides closed except street side</i>) by using AutoCAD with the following requirements. <ul style="list-style-type: none"> Two Bedrooms with attached bath One kitchen (10 ft x 10 ft) TV Lounge (As per space) Car Porch (10 ft x 10 ft) Stairs Proper Ventilation Space Utilization Knowledge Assessment (Oral)
Time: 04 Hrs.	During a practical assessment, under observation by an assessor, you are required to “Develop 3D Model as per given plan in Annexure-A following the mentioned dimension and specification “ demonstrating the following criteria:
Minimum Evidence Required	<ol style="list-style-type: none"> Setup & save 3D drawing interface for required specifications. Setup 3D user interface settings for required specifications. Create 3D objects with given measurements. Modify 3D objects in line with the requirements. Make customized 3D models according to the requirement of given job. Convert 3D Face objects into a single mesh objects. Apply material to required 3D Model as per given specification Apply lights to get the requisite scene of required 3D model Assign cameras to execute different views of required 3D Model. Render and print the 3D model according to required size & orientation

Self-Assessment Checklist

Candidate Name	
Registration No.	
Qualification	0611ICT08 National Vocational Certificate Level-2 in Information Technology (AutoCAD)
Competency Standard	061100490 Develop 3D Model using AutoCAD
Purpose of Assessment	Formative Assessment
Assessment Task	<p>Create a 3D “House Model” for the following plot dimension (A= 25’, B=33’, C = 33’ and D = 43’) as given in Annexure-A (<i>All sides closed except street side</i>) by using AutoCAD with the following requirements.</p> <ul style="list-style-type: none"> ○ Two Bedrooms with attached bath, One kitchen (10ft x 10ft) ○ TV Lounge (As per space) ○ Car Porch (10 ft x 10 ft), Stairs and Proper Ventilation ○ Space Utilization

I can.....

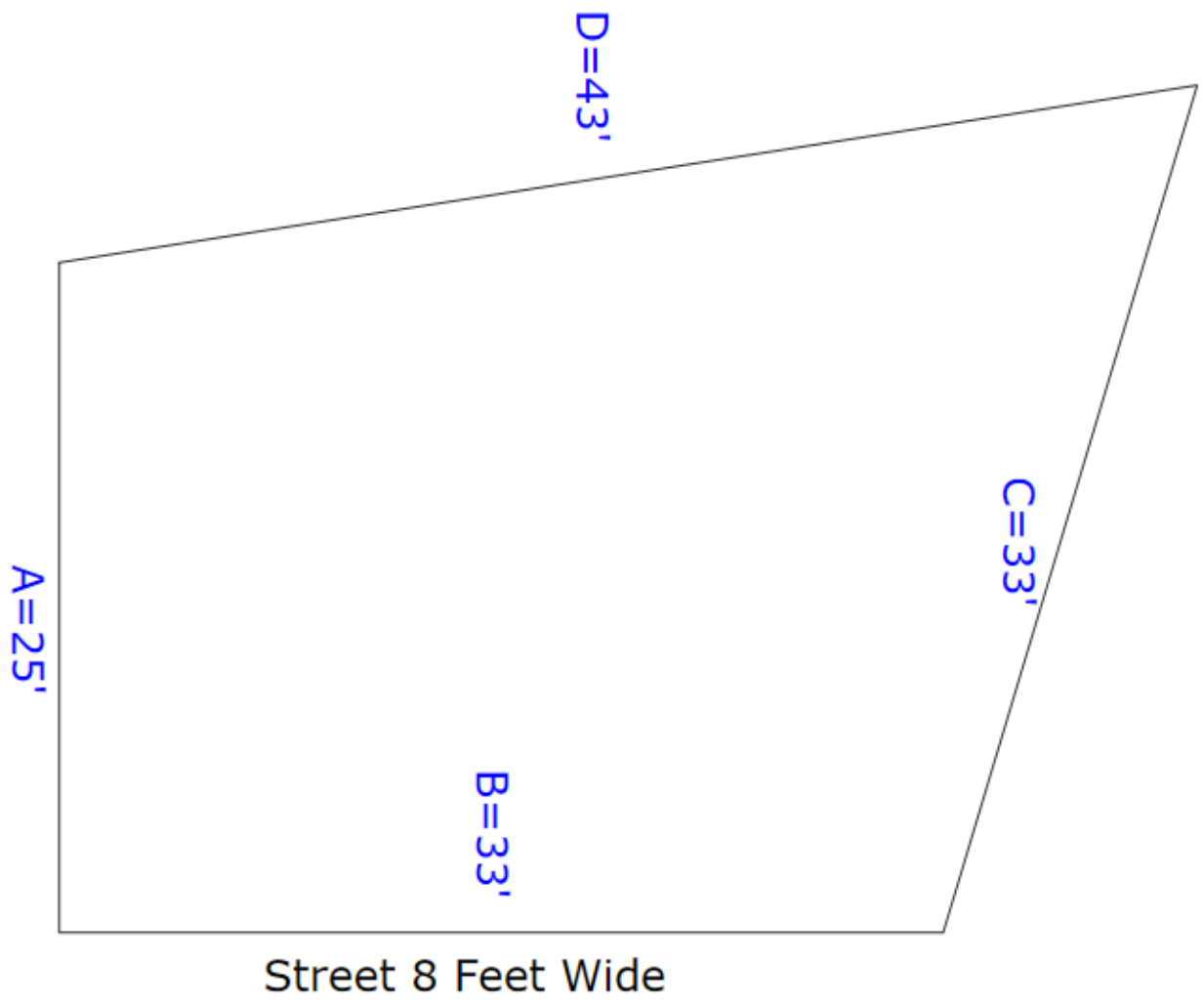
Performance Criteria	Yes	No
1. Setup & save 3D drawing interface for required specifications.	<input type="checkbox"/>	<input type="checkbox"/>
2. Setup 3D user interface settings for required specifications.	<input type="checkbox"/>	<input type="checkbox"/>
3. Create 3D objects with given measurements.	<input type="checkbox"/>	<input type="checkbox"/>
4. Modify 3D objects in line with the requirements.	<input type="checkbox"/>	<input type="checkbox"/>
5. Make customized 3D models according to the requirement of given job.	<input type="checkbox"/>	<input type="checkbox"/>
6. Convert 3D Face objects into a single mesh objects.	<input type="checkbox"/>	<input type="checkbox"/>
7. Apply material to required 3D Model as per given specification	<input type="checkbox"/>	<input type="checkbox"/>
8. Apply lights to get the requisite scene of required 3D model	<input type="checkbox"/>	<input type="checkbox"/>
9. Assign cameras to execute different views of required 3D Model.	<input type="checkbox"/>	<input type="checkbox"/>
10. Render and print the 3D model according to required size & orientation	<input type="checkbox"/>	<input type="checkbox"/>

Candidate's Signature_____

Assessor's Signature_____

Date: _____

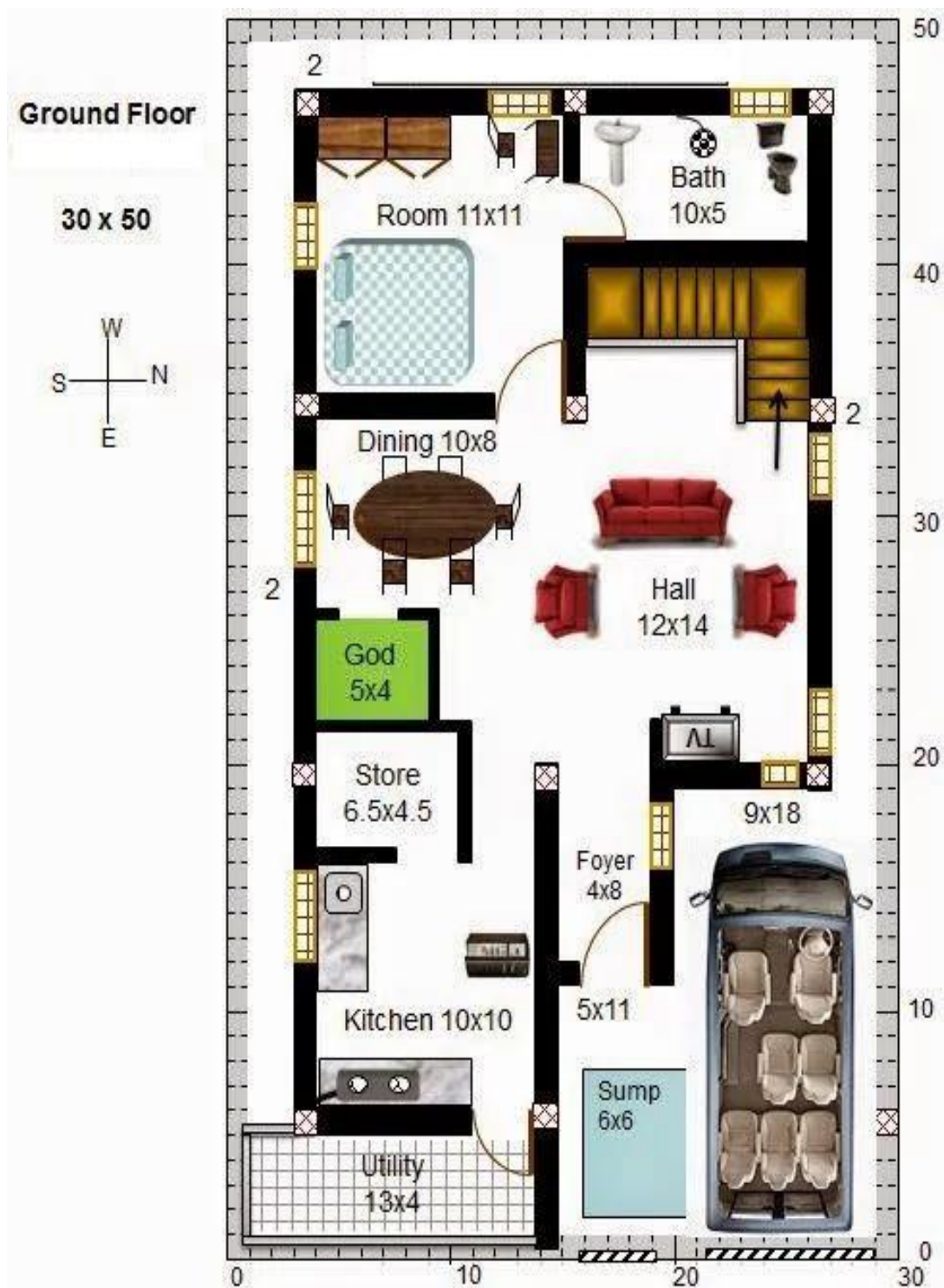
ANNUXURE-A



Instruction Sheet for the Candidate

Qualification	0611ICT08 National Vocational Certificate Level-2 in Information Technology (AutoCAD)
Purpose of Assessment	Summative Assessment
Candidate Details	Name _____ Registration Number _____
Guidance for Candidate	To meet this standard you are required to complete the following within 04 Hrs. time frame (for practical demonstration & assessment): <ol style="list-style-type: none"> 1. Create a 2D 'House Plan' according to given sample (Annexure-A) and convert it into 3D by using AutoCAD 2. Knowledge Assessment
Time: 04 Hrs.	During a practical assessment, under observation by an assessor, you are required to “Develop drawing given in Annexure-A as per given dimension and specification “ demonstrating the following criteria: <ol style="list-style-type: none"> 1. Connect Computer components and peripherals as per requirements. 2. Follow health, safety and security procedures to ensure safe working environment. 3. Troubleshoot Applications to trace and fix faults (if any) to bring it in a running condition. 4. Setup drawing interface for required specifications in AutoCAD 5. Develop 2D Drawing with given project specification and measurements. 6. Edit & Modify 2D Objects to meet set standards 7. Use appropriate command and tools to develop 2D drawing 8. Create title block layout as required 9. Setup & save 3D drawing interface for required specifications. 10. Create 3D objects with given measurements. 11. Modify 3D objects in line with the requirements. 12. Convert 3D Face objects into a single mesh objects. 13. Apply material to required 3D Model as per given specification 14. Apply lights to get the requisite scene of required 3D model 15. Assign cameras to execute different views of required 3D Model. 16. Render and print the 3D model according to required size & orientation
Minimum Evidence Required	

ANNUXURE-A



Self-Assessment Checklist

Candidate Name	
Registration No.	
Qualification	0611ICT08 National Vocational Certificate Level-2 in Information Technology (AutoCAD)
Purpose of Assessment	Summative Assessment
Assessment Task	<ul style="list-style-type: none"> • Create a 2D 'House Plan' according to given sample (Annexure-A) and convert it into 3D by using AutoCAD • Knowledge Assessment

I can.....

Performance Criteria	Yes	No
1. Connect Computer components and peripherals as per requirements.	<input type="checkbox"/>	<input type="checkbox"/>
2. Follow health, safety and security procedures to ensure safe working environment.	<input type="checkbox"/>	<input type="checkbox"/>
3. Troubleshoot Applications to trace and fix faults (if any) to bring it in a running condition.	<input type="checkbox"/>	<input type="checkbox"/>
4. Setup drawing interface for required specifications in AutoCAD	<input type="checkbox"/>	<input type="checkbox"/>
5. Develop 2D Drawing with given project specification and measurements.	<input type="checkbox"/>	<input type="checkbox"/>
6. Edit & Modify 2D Objects to meet set standards	<input type="checkbox"/>	<input type="checkbox"/>
7. Use appropriate command and tools to develop 2D drawing	<input type="checkbox"/>	<input type="checkbox"/>
8. Create title block layout as required	<input type="checkbox"/>	<input type="checkbox"/>
9. Setup & save 3D drawing interface for required specifications.	<input type="checkbox"/>	<input type="checkbox"/>
10. Create 3D objects with given measurements.	<input type="checkbox"/>	<input type="checkbox"/>
11. Modify 3D objects in line with the requirements.	<input type="checkbox"/>	<input type="checkbox"/>
12. Convert 3D Face objects into a single mesh objects.	<input type="checkbox"/>	<input type="checkbox"/>
13. Apply material to required 3D Model as per given specification	<input type="checkbox"/>	<input type="checkbox"/>
14. Apply lights to get the requisite scene of required 3D model	<input type="checkbox"/>	<input type="checkbox"/>
15. Assign cameras to execute different views of required 3D Model.	<input type="checkbox"/>	<input type="checkbox"/>
16. Render and print the 3D model according to required size & orientation	<input type="checkbox"/>	<input type="checkbox"/>

Candidate's Signature_____ Assessor's Signature_____

Date: _____

Assessors Judgment Guide

Qualification	0611ICT08 National Vocational Certificate Level-2 in Information Technology (AutoCAD)
Purpose of Assessment	Summative Assessment
Candidate Details	Name: _____ Registration Number: _____ Signature: _____
Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor _____ Assessor's code: _____ Signature: _____

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			✓				
Knowledge Assessment		✓					
Other Requirement							

Observation Checklist

Assessment Task	Create a 2D 'House Plan' according to given sample (Annexure-1) and convert it into 3D by using AutoCAD		
During the practical assessment, candidate demonstrated the following:	Yes	No	Remarks
1. Connected Computer components and peripherals as per requirements.			
2. Followed health, safety and security procedures to ensure safe working environment.			
3. Troubleshoot Applications to trace and fix faults (if any) to bring it in a running condition.			
4. Setup drawing interface for required specifications in AutoCAD			
5. Developed 2D Drawing with given project specification and measurements.			
6. Edited & Modified 2D Objects to meet set standards			
7. Used appropriate command and tools to develop 2D drawing.			
8. Created title block layout as required.			
9. Setup & saved 2D & 3D drawing interface for required specifications and file formats.			
10. Created 3D objects with given measurements.			
11. Modified 3D objects in line with the requirements.			
12. Converted 3D Face objects into a single mesh objects.			
13. Applied material to required 3D Model as per given specification.			
14. Applied lights to get the requisite scene of required 3D model.			
15. Assigned cameras to execute different views of required 3D Model.			
16. Rendered and print the 3D model according to required size & orientation.			
Competent <input type="checkbox"/>	Not Yet Competent <input type="checkbox"/>		

Knowledge Assessment

Qualification	0611ICT08 National Vocational Certificate Level-2 in Information Technology (AutoCAD)
Purpose of Assessment	Summative Assessment
Candidate Details	Name: _____ Registration Number: _____ Signature: _____
Assessment Outcome	COMPETENT <input type="checkbox"/> NOT YET COMPETENT <input type="checkbox"/> Name of the Assessor _____ Assessor's code: _____ Signature: _____

Questions (Candidate confidently answered questions correctly and demonstrated understanding of the topics and their application)		Satisfactory	Not Satisfactory
1.	Differentiate between Loft and Sweep command?		
2.	What is keyboard short key for Ortho on/off?		
3.	What is the use of Distant light in AutoCAD?		
4.	What is keyboard short key for match property?		
5.	What is the purpose of mesh command in AutoCAD?		


6.	Difference between 2D Polyline and 3D Polyline		
7.	What do you about Flatshot?		

Feedback to the Candidate	
Candidate's Signature_____ Assessor's Signature _____	

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