Qualification	Subject Title	Learning Outcomes	Question	Answer 1	Answer 2	Answer 3	Answer 4	Correct Answer(s)
Not applicable	Not applicable	Basic knowledge about Augmented Reality	1. The basic architecture of AR System is composed by:	Hardware, software and remote server	Eyeglass, virtual images and internet	Eyeglass, mobile phone or tablet	Answer 1 and 3 are correct	1
Not applicable	Not applicable	Basic knowledge about Augmented Reality	2. From an economical point of view, the use of digital tools in learning process...:	Reduced costs with teachers and trainers.	Reduced costs with preparation of base materials and increasing the time on arc of the trainees.	Specific industrial components for welded structures can be simulated.	All answers are correct	4
Not applicable	Not applicable	Basic knowledge about Augmented Reality	3. In AR, Virtual images, used for overlapping over the real live image, can be generated using...:	2D software	Special cameras	3D software	Head Mounted Displays (HMD)	3
Not applicable	Not applicable	Basic knowledge about Augmented Reality	4. Hardware components of an AR system consist of:	HMD, SS, EG	Virtual images stored from web or cloud server	Webcam, GPS, sensors	A processor, a display device and position sensors	4

Not applicable	Not applicable	Basic knowledge about Augmented Reality	5. Augmented Reality (AR) technology allows the blending the real and virtual worlds:	True	False			1
Not applicable	Not applicable	Basic knowledge about welding simulators	6. Welding simulators can support:	Theoretical training and assessment	Practical training and assessment	Theoretical and practical training and assessment	Online or offline theoretical and practical training and assessment	4
Not applicable	Not applicable	Basic knowledge about welding simulators	7. In terms of economical aspects please select the most appropriate benefits regarding Welding simulators:	Reduced costs with energy, human resource	Reduced training time	No waste materials which can affect the environment	No risks regarding safety issues	1
Not applicable	Not applicable	Basic knowledge about welding simulators	8. The main differences between welding simulator and real welding system are:	Practice in different environment, level of pollution, safety issues,	Simulator is a computer, real system is a specific equipment	There are no differences between simulator and real welding system	First two options are good	1

				number of attempts, arc time, level of qualification				
Not applicable	Not applicable	Basic knowledge about welding simulators	9. Please select the advantages of simulated welding:	Economical, Ecological, Safety, Educational	Economical, Safety, Educational	Economical, Ecological, Safety, Educational, Social	Economical, Social, Educational	1
Not applicable	Not applicable	Basic knowledge about welding simulators	10. Please select the main disadvantages of simulated welding:	Cost of technology	Lack of digital skills of trainers and technology limitations	Cost of operation	No disadvantages identified regarding the simulators or simulated welding	2
Not applicable	Not applicable	Basic knowledge about welding applied to industrial sectors	11. The manual welding is employed mainly in:	Low-demand production Systems	High- demand production Systems	a and b are correct	None of the above	1
Not applicable	Not applicable	Basic knowledge about welding applied to industrial sectors	12. In ship building industry:	More than 75% of the joints are welded	More than 85% of the joints are welded	More than 90% of the joints are welded	100% of the joints are welded	3

Not applicable	Not applicable	Basic knowledge about welding applied to industrial sectors	13. The materials used to build a railcar body are:	Aluminium	Steels mainly	Nickel and tin	Copper alloy	2
Not applicable	Not applicable	Basic knowledge about welding applied to industrial sectors	14. Pressure vessels can have different shapes but the most used are:	Spheres	Cylinders	Cones	All answers are correct	4
Not applicable	Not applicable	Basic knowledge about welding applied to industrial sectors	15. In Civil construction, gussets are used for:	The stiffening of different intersections of elements which are or not welded together	The stiffening of same intersections of elements which are or not welded together	The stiffening of same intersections of elements which are welded together	The stiffening of different intersections of elements which are not welded together	1