Sample Test Name: Heavy Equipment Operations



(These items were developed by teachers for the Technical Skills Assessment. Below is a sample item for each program standard.)

Ques	tion 1 of 20
Which	tractor component transfers power from the transmission to the rear axles?
( A)	Electro-hydraulic clutch
○ B)	Transmission
( C)	Turbocharger
O D)	Power takeoff
Ques	tion 2 of 20
What s	should an operator do if there is an unsafe condition on a jobsite?
( A)	Report it to a supervisor.
○ B)	Simply avoid it.
O C)	Call OSHA.
O D)	Tell a co-worker.
Ques	tion 3 of 20
What is	s the PRIMARY use of a wheel loader?
( A)	Remove/move material
○ B)	Dig trenches
() C)	Cut slopes
O D)	Crown a road
	Which  A) B) C) D) Ques What s  A) C) D)  Ques What is

Ques	ation 4 of 20	
What	does a tachometer gauge indicate?	
( A)	Hydraulic pressure	
○ B)	Hours of operation	
( C)	Engine oil pressure	
O D)	Engine speed	
Ques	tion 5 of 20	
What i	s the grade of a surface that falls 20 feet for every 1,000 feet of distance?	
() A)	10 percent	
( B)	2 percent	
( C)	1/2 percent	
( D)	20 percent	
Ques	ation 6 of 20	
What	soil stabilization is used to prevent erosion?	
( A)	Do not treat.	
○ B)	Use safety cones and warning signs.	
( C)	Apply covers such as grass seedlings.	
( D)	Floor area with water.	
Ques	ation 7 of 20	
Which	vehicle is COMMONLY used to transport material from a jobsite?	
() A)	Dump truck	
○ B)	Excavator	
( C)	Backhoe loader	
( D)	Dozer	

Ques	tion 8 of 20
What i	s the basic use of a roller or compactor?
() A)	To create a v-ditch
○ B)	To compress and smooth asphalt
() C)	To move dirt
( D)	To dig a trench
Ques	tion 9 of 20
What i	s a safety rule for operating a scraper?
() A)	Check the stabilizers.
○ B)	Wear proper protective equipment.
() C)	Clean tracks.
( D)	Change the push block.
Ques	tion 10 of 20
What	type of engine does a crawler-type front-end loader usually have?
( A)	Pneumatic
○ B)	Gasoline
() C)	Diesel
( D)	Hydrostatic
Ques	tion 11 of 20
What i	s the MAJOR purpose of a forklift?
() A)	To stockpile dirt
○ B)	To create drainage
() C)	To use as a personal lift
( D)	To lift materials to higher heights

Ques	tion 12 of 20
What	machine has a front mounted blade, tracks, and a huge ripper?
() A)	Scraper
○ B)	Forklift
( C)	Backhoe
( D)	Dozer
Ques	tion 13 of 20
What a	are two types of booms on backhoes?
( A)	Crane and rough terrain
○ B)	Standard and extendable stick
( C)	Articulated and rigid frame
O D)	Push pull and pneumatic
Ques	tion 14 of 20
What a	attachment works in conjunction with the bucket and performs work similar to a e?
() A)	Ripper
○ B)	Breaker
( C)	Screen
( D)	Thumb
Ques	tion 15 of 20
What e	equipment commonly uses a scarifier?
( A)	Excavator
( B)	Motor grader
() C)	Roller/compactor

Question 16 of 20	
Who helps the motor grader of	operator during finish grading?
A) Pipe crew	
B) Grade checker	
C) Foreman	
OD) Safety officer	
Question 17 of 20	
What type of soil is dry, lacks	nutrients, and is fast-draining?
A) Silt	
OB) Loam	
○ C) Sand	
OD) Clay	
Question 18 of 20	
What type of cost is calculate	d before construction begins?
A) Actual	
<b>B)</b> Estimated	
C) Fixed	
OD) Variable	
Question 19 of 20	
What is an angle less than 90	degrees called?
A) Acute angle	
<b>B)</b> Adjacent angle	
C) Right angle	
<b>D)</b> Straight angle	

Ques	Question 20 of 20	
What i	What is a side view of a proposed project called?	
() A)	Elevation	
○ B)	End view	
( C)	Lateral scan	
O D)	Profile	

## Heavy Equipment Operations Sample Test Answer Key

<u> </u>		
Question	Answer	
1.	В	
2.	Α	
3.	Α	
4.	D	
5.	В	
6.	С	
7. 8.	Α	
8.	В	
9.	В	
10.	С	
11.	D	
12.	D	
13.	В	
14.	D	
15.	В	
16.	В	
17.	С	
18.	В	
19.	Α	
20.	D	