

iCourse Theory

Study Unit 5

Name:

Unit start date:

Unit finish date:

When returning work for assessment, please ensure that each unit is kept together by stapling or other means and that you complete the information above. Also please ensure that any additional worksheets are clearly marked with your name.



Study Unit No. 5

This pack contains:

- Study Instructions
- 1 x Question marking sheets
- Road sign marking/notes sheet
- 20 Multiple Choice Questions covering:
 - Mechanical principles
 - Motivation / Instructional technique
 - Driving procedure
 - Driving style
- Foundation questions
- Blank training notes sheet
- Blank 'Questions to ask a Trainer' sheet

Start by completing the Road Sign Quiz

Study Unit No. 5 - Road sign quiz

Use the numbered spaces below to write out the meaning of each sign shown in Step 2 of this unit. For added benefit, write a brief description of where you might find each sign and what action you would take - writing out this information will help you to easily remember the signs and will help to get you thinking about how you might explain the meaning and purpose of the signs to your future customers.

1.

2.

3.

4.

5.

6.

Please read this carefully before starting ...

The questions in this pack are designed to help you to learn and test your knowledge; we strongly suggest that you follow the study instructions found in the Study Unit Starter as opposed to trying to learn the answers by rote. While learning by rote might help you to pass the first part of the exam it would prove to be detrimental in the later stages of your training and reduce your chances of an early examination pass.

Some of the questions in iCourse question papers may address topic areas not covered in DVSA Part-One. The questions cover a broad range of topics designed to give you a good base for your new career in driving instruction.

To the best of our knowledge, all the questions on this paper are correct and up-to-date.

In the unlikely event of you finding a question that is out of date, or misprinted, you can help other students by contacting us - the question will then be amended. (support@smartdriving.org)

Important note

Some of the questions in SmartDriving iCourse have more than one correct answer (multiple-response). We do not 'flag' questions which have more than one correct answer. The questions are designed in this way to 'make you think more' and thereby increase your depth of knowledge. The DVSA also have some questions which require more than one answer, however, DVSA papers will state clearly when more than one answer is required.

Completing the questions

The next page has a reminder about how to complete the multiple-choice and foundation questions for best results.

First pass through the questions

Use this marking sheet to record answers on your first pass through the questions.

Your first pass through these questions should be done *before* researching any of your study material – it is simply to check your pre-study knowledge. Knowing the before and after level of understanding will help with your motivation.

Confidence score reminder:

- 4 = Absolutely certain
- 3 = Reasonably confident
- 2 = 50 / 50
- 1 = Unsure
- 0 = Blind guess (no idea so I picked an answer at random)

Remember, it's best to assess your level of confidence quickly as you look at the questions so as to capture your immediate 'gut feeling' about how confident you are in your answer. Confident scoring is instant – it's not an intellectual exercise!

Allow a maximum of 25 minutes for this exercise under test conditions.

Your Answers	Confidence Score First Pass	Correct Answers		Your Answers	Confidence Score First Pass	Correct Answers
1.				11.		
2.				12.		
3.				13.		
4.				14.		
5.				15.		
6.				16.		
7.				17.		
8.				18.		
9.				19.		
10.				20.		

After completing the first pass through the multiple-choice questions, check your answers (the correct answers are linked in the study unit) and add the correct answer reference (a,b,c or d) for incorrectly answered questions in the space provided above.

Next: Complete your research and study as directed until you fully understand the relevant material for the questions which were answered incorrectly or which have a low confidence rating (**two** or lower).

Complete the *Foundation* questions, noting the correct answer references (a b c or d) and reference to the relevant study material in the space provided on your Foundation worksheets (referencing the study source makes revision easier later on).

Second pass through the questions

When you have completed your study of all incorrectly answered questions and questions with a confidence score of two or lower and have completed all the Foundation Questions, repeat the multiple-choice test marking your answers and confidence score on the test papers – again do this in 25 minutes or less to emulate test conditions..

If your score is lower than 16 on your second pass, complete the whole unit again in full taking a little more time over your research (trying to rush your learning is a 'false economy' and will cause problems later on in your course).

Study Unit No. 5 - Questions

1. The high voltage required to supply the spark at the spark plug, is produced by:

- a. the alternator
- b. the condenser
- c. the coil
- d. the battery

Confidence rating – 2nd Pass = 0 1 2 3 4

2. After driving through floodwater your brakes might be ineffective. To correct this you should:

- a. drive quickly to increase air circulation around the brakes
- b. press the footbrake lightly with your left foot while accelerating
- c. stay in second gear until full braking efficiency is regained
- d. complete several safe stops using cadence braking

Confidence rating – 2nd Pass = 0 1 2 3 4

3. If the oil warning light comes on during normal driving, you should:

- a. keep your speed down to less than 30 mph
- b. keep your engine speed low by keeping in a high gear
- c. stop the car and switch off the engine
- d. not stop if you are on a motorway

Confidence rating – 2nd Pass = 0 1 2 3 4

4. The water pump is usually driven by:

- a. the drive shaft
- b. the timing chain
- c. a fan/alternator belt
- d. a sump belt

Confidence rating – 2nd Pass = 0 1 2 3 4

5. If someone is injured after an accident and they tell you that they are unable to move, you should:

- a. move them to somewhere comfortable
- b. reassure them that help is on the way and not move them
- c. ignore them because if they are conscious they are probably OK
- d. make them lie in the recovery position

Confidence rating – 2nd Pass = 0 1 2 3 4

6. Engine lubricating oil is stored in the sump. The sump is situated:

- a. below the engine
- b. below the floor of the boot
- c. above the engine
- d. in the fuel tank

Confidence rating – 2nd Pass = 0 1 2 3 4

7. The DVSA advice that new drivers can practice reading the road:

- a. by cycling on busy roads
- b. when they are a passenger on a motorbike
- c. when they are a passenger in a car or a bus
- d. by walking quickly and looking well ahead

Confidence rating – 2nd Pass = 0 1 2 3 4

8. Cadence braking:

- a. brings the car smoothly to a halt
- b. is a form of emergency braking
- c. is usually done with the left foot.
- d. is useful in cars fitted with ABS

Confidence rating – 2nd Pass = 0 1 2 3 4

9. The DVSA publication ‘the official guide to learning to drive’ recommends that drivers should:

- a. always use the mirrors
- b. use mirrors effectively at all times
- c. use mirrors after signalling
- d. show knowledge of how mirrors differ

Confidence rating – 2nd Pass = 0 1 2 3 4

10. If a pedestrian is crossing the road, into which you intend to turn, you should always:

- a. sound your horn
- b. give way
- c. abort the turn
- d. check your mirrors

Confidence rating – 2nd Pass = 0 1 2 3 4

11. The DVSA publication ‘the official guide to learning to drive’ states that drivers should:
- take care when parking in cycle lanes
 - never cross cycle lanes
 - take special care when crossing cycle lanes
 - only drive in cycle lanes in an emergency

Confidence rating – 2nd Pass = 0 1 2 3 4

12. Observation at junctions is of prime importance. The DVSA publication ‘the official guide to learning to drive’ states, specifically, that at unmarked junctions:
- you should look right, left and right
 - you should be able recognise the main road
 - everyone has equal priority
 - you should never assume you have priority

Confidence rating – 2nd Pass = 0 1 2 3 4

13. A learner driver who looks at the mirrors frequently during a driving test:
- is always making good use of mirrors and so cannot fail for mirror use
 - may not be making good use of mirrors and so could fail for mirror use
 - must have adjusted the mirror correctly
 - will impress the examiner

Confidence rating – 2nd Pass = 0 1 2 3 4

14. Crossroads, at which you have priority, are:
- less dangerous than those at which you do not have priority
 - more dangerous than those at which you do not have priority
 - as potentially dangerous as those at which you do not have priority
 - best avoided at busy periods with learners

Confidence rating – 2nd Pass = 0 1 2 3 4

15. ‘The Official DVSA Guide to Driving, the essential skills’ recommends that when reversing straight back or to the left, your right hand can hold the steering wheel at:
- the twelve o’clock position
 - the three o’clock position
 - the two o’clock position
 - the six o’clock position

Confidence rating – 2nd Pass = 0 1 2 3 4

16. If you are in doubt about whether the road immediately behind your vehicle is clear, before you start to reverse, you should:

- a. double check your exterior mirrors
- b. get out and look behind the vehicle
- c. re-adjust your seating position
- d. get someone to help you

Confidence rating – 2nd Pass = 0 1 2 3 4

17. Instructors can help to maintain a learner's motivation by:

- a. giving constructive feedback
- b. allowing the learner to learn for him/herself
- c. giving a demonstration
- d. using positive language

Confidence rating – 2nd Pass = 0 1 2 3 4

18. The likely effect of a radiator leak, in an engine cooling system, would be the:

- a. engine running too cold
- b. engine overheating
- c. ignition light coming on
- d. the engine misfiring

Confidence rating – 2nd Pass = 0 1 2 3 4

19. Putting too much oil in an engine can result in excessive pressure building up. This can force oil out and cause damage to:

- a. the cooling system
- b. the clutch
- c. the distributor
- d. the tyres

Confidence rating – 2nd Pass = 0 1 2 3 4

20. When explaining the emergency stop exercise for the first time, it might often be useful to run through the routine:

- a. at twenty-five mph
- b. at five mph
- c. whilst stationary
- d. in a car park

Confidence rating – 2nd Pass = 0 1 2 3 4

Foundation ...

The Foundation questions are designed to enhance your knowledge by helping you to interact with some of the underlying concepts of the material.

Passing the ADI qualifying examination is the first step on the ladder to your new career. The Foundation questions will help you to take that step more easily by underpinning your knowledge of facts and figures with an understanding of true meaning that will enable you to apply your knowledge in a wider range of situations.

Perhaps more importantly it is important to recognise that, as in any trade or profession, some practitioners are more accomplished, better, than others. As a general rule, those who are better able to do the job, who have a better understanding of their role, are able to give better service and reap better rewards.

By working through the Foundation questions you will begin a process that can, with a little work and effort, make your life easier and help to make you future more prosperous.

Foundation - Study Unit 5

1. Correct answer = a b c d

References:

Look for information about the car electrical system on the Internet (tip: 'how stuff works' is a good site to visit) and briefly record anything new that you learn.

2. Correct answer = a b c d

References:

Why are brakes inefficient after driving through a flood? Give a brief, simple, technical explanation.

3. Correct answer = a b c d

References:

What action will you take if your oil warning light comes on 10 minutes before a driving test?

4. Correct answer = a b c d	References:
Located the alternator or fan belt on your car. Look for the water pump. Make a note of anything new that you learn in the process.	
5. Correct answer = a b c d	References:
Briefly explain the potential danger involved in moving an injured person.	
6. Correct answer = a b c d	References:
Locate the sump in your car (warning: do not jack up the car or crawl underneath it - this can be dangerous without specialist equipment or knowledge). Make a note of anything you learn during this exercise.	

7. Correct answer = a b c d	References:
Download the 'Visual Scanning' diagram linked on the study page for this unit. Monitor your own scanning patterns while driving this week and see how they match the diagram.	

8. Correct answer = a b c d	References:
Briefly explain the main benefit of cadence braking.	

9. Correct answer = a b c d	References:
Think of the question that you could ask a learner driver that would help them understand the importance of checking the mirrors before increasing speed.	

10. Correct answer = a b c d	References:
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Can you think of anything from your own experience that would help you explain the answer to question 10 to a new driver?

11. Correct answer = a b c d	References:
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Think about the following question and write a brief response to it. "I only have one hand on the steering wheel when I change gear and I steer OK - so why can't I steer with one hand all the time?"

12. Correct answer = a b c d	References:
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At road junctions instructors must always be 100% sure that it's safe for learners to emerge; however, it equally important that the instructor watches the learner closely. Why do you think this is?

<p>13. Correct answer = a b c d</p>	<p>References:</p>
<p>It's important to make sure that your learner is using the mirrors effectively. Can you think of two methods that you could use to find out whether your learners are using the mirrors effectively?</p>	

<p>14. Correct answer = a b c d</p>	<p>References:</p>
<p>Have you ever seen, or been involved in a 'near miss' at a crossroad? If you answered yes, how might you use this experience as an example when explaining safety at crossroads to your learners? If the answer is no, visualise a near miss - and then think about how you would use that experience.</p>	

<p>15. Correct answer = a b c d</p>	<p>References:</p>
<p>Give two reasons why one-handed steering in a straight line when reversing is safer than one-handed steering when driving forwards.</p>	

<p>16. Correct answer = a b c d</p>	<p>References:</p>
<p>Next time that you are in a car park, consider the blind area behind your car. Could a child be hidden there? What implications does this have with regard to driving into car park spaces versus reversing into spaces?</p>	

<p>17. Correct answer = a b c d</p>	<p>References:</p>
<p>Think about a time in your own life where someone has criticised you in a negative way – how did that make you feel? Briefly explain how you will make sure your learners don't feel the same way during lessons with you.</p>	

<p>18. Correct answer = a b c d</p>	<p>References:</p>
<p>How will you minimise the risk of a breakdown caused by a radiator leak in your driving school car?</p>	

<p>19. Correct answer = a b c d</p>	<p>References:</p>
<p>What is the likely outcome of oil contaminating the clutch lining?</p>	

<p>20. Correct answer = a b c d</p>	<p>References:</p>
<p>A useful way of explaining the speed to your learners (when discussing reactions in an emergency) is to use meters per second (or feet per second for older people) rather than miles per hour. Doing this gives a more dramatic explanation of what speed really means ... find out how to calculate meters per second and write out the speed equivalents for 20 mph, a 30 mph, 40 mph and 50 mph.</p>	

When you have completed your research and study and are happy with your Foundation answers, complete main questions again under test conditions – you have 25 minutes and your target score is 19.

Notes and Reflective thoughts

Questions to ask a Trainer