

HEALTH, SAFETY AND ENVIRONMENTAL ASSESSMENT

Revision Guide



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Revision Guide

For assessments from 6 May 2024

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Administered in England, Wales and Northern Ireland by the Joint Industry Board for the Electrotechnical Industry



Administered in Scotland by the Scottish Joint Industry Board for the Electrical Contracting Industry



INTRODUCTION

The information in this guide is for ECS Health, Safety and Environmental Awareness Assessments taken from 6 May 2024.

The electrotechnical industry is constantly striving to improve the Health and Safety awareness of everyone working in the industry. The Electrotechnical Certification Scheme (ECS) Health, Safety and Environmental Awareness Assessment was originally introduced in 2002 in compliance of the Electrotechnical Certification Scheme's affiliation to the Construction Skills Certification Scheme (CSCS) that requires anyone obtaining or renewing an ECS Card to demonstrate an acceptable standard of health and safety knowledge.

THE ASSESSMENT

The ECS Health. Safety and Environmental Awareness Assessment is made up of 50 multiple choice questions drawn randomly from the question bank to be completed in 30 minutes. Each question will require one correct answer to be picked from a choice of four.

The assessment will be made up from questions covering eleven topics. The numbers of questions that will be used from each topic are:

General Health and Safety at Work	6
Manual Handling Operations	4
Reporting Accidents	3
Personal Protective Equipment at Work	4
Health and Hygiene	3
Fire and Emergency	9
Work at Height	5
Work Equipment	4
Special Site Hazards	3
Electrotechnical	6
Environmental	

To successfully pass an assessment, 43 out of the 50 questions must be answered correctly.

If the delegate is unsuccessful they may take a new assessment. A fee is chargeable by the assessment organisation for each assessment taken by the delegate.

PREPARATION

This guide should be used to help prepare for the assessment. The guide contains all the questions that can be used to make up the awareness assessment, together with the correct answer and, where applicable, a brief explanation of the answer. The assessment uses a selection of the questions from the question bank printed in this guide, however, the four answers in the assessment may be in a different order from the order shown in this guide. There are no guestions in the assessment that are not in this guide. The assessment is designed to test basic knowledge and awareness of health and safety for people working in the electrical industry and on construction sites. The awareness assessment is not trying to trip up or catch people out. all the questions in the assessment are listed in this guide. The ECS Health Safety and Environmental Awareness Assessment may be used as the end of course test for health and safety training but in no way should be considered a qualification in Health and Safety.

ENGLAND, WALES AND NORTHERN IRELAND

The ECS HSE Awareness Assessment is available online through the MyECS and Employer Portal and this remote invigilation system is the quickest and simplest way to do the assessment.

For those who wish to attend a physical centre for assessments, please see the ECS website at www.ecscard.org.uk/venues

SCOTLAND

The SJIB offers paper-based assessments across the whole of Scotland. Please call 0131 445 9216 to book an assessment or visit www.sjib.org.uk for more information.

ONLINE ASSESSMENTS

For remotely invigilated assessments taken at home or at work, there is a guidance video on the ECS website which shows how to set up and take assessments. This can be found at www.ecscard.org.uk/RIS

System Requirements

- To be in a room on your own and not be disturbed
- Have a current photo ID with you
- Have a stable Internet connection and working web cam



IN CENTRE ASSESSMENTS

The delegate will need:

- Photographic identification such as an ECS card, current passport or in date photo driving license
- · National Insurance Number
- A valid personal email address (for the result to be sent to if taking the computer-based version of the assessment).

An invigilator will explain how to take the assessment, will check the delegate's identity and take the delegate's photograph as a record of the person who took the assessment.

For delegates that are not confident in using computer equipment, a practice test is available before the main assessment is taken. To take the practice assessment the delegate must request it from the session invigilator prior to taking the main assessment. There is no charge for the practice assessment.

The invigilator will be on hand during the assessment to provide administrative support but will not offer any assistance with answering the assessment questions.

If a computer-based assessment is taken the delegate will be informed of their result at the end of the assessment. The delegate will also be able to review the answers to the questions that were in their assessment.



Listed below are the areas of knowledge that will be assessed.

1. General Health & Safety

You should have a basic understanding of:

- How the Health and Safety at Work Act 1974,
 Regulations and Approved Codes of Practice affect you
- Employer's responsibilities under the Health and Safety at Work Act
- Your responsibilities to yourself and to others under the Health and Safety at Work Act
- · How health and safety law is enforced
- The powers of Health and Safety Executive (HSE) inspectors
- The key features of health and safety signs in the workplace

2. Manual Handling Operations

You should have a basic understanding of:

- What manual handling operations mean in the context of an employee and what employers must do to protect employees from injury
- The types of injury you could suffer from carrying out manual handling tasks
- The parts of your body most likely to be affected by manual handling injuries
- · How to decide whether a manual handling activity is safe
- What must be taken into account when making a manual handling risk assessment
- · The principles of good manual handling techniques

3. Reporting Accidents

You should have a basic understanding of:

- The need to report injuries, accidents, certain diseases and dangerous occurrences to the Health and Safety Executive
- Why you must report accidents to your employer
- The need to record in the accident book all accidents that cause any injury whatsoever
- What reportable injuries, dangerous occurrences and reportable diseases are

4. Personal Protective Equipment at Work

You should have a basic understanding of:

- · When PPE should be worn
- · Why your employer must provide you with PPE
- · Why you must use the PPE provided by the employer
- Why you must take care of PPE supplied for your use
- Why you must report lost or damaged PPE to your immediate superior
- The possible effects of not wearing PPE
- · The limitations of PPE

5. Health and Hygiene

You should have a basic understanding of:

- The dangers of exposure to substances, such as asbestos
- The importance of good personal hygiene when working with hazardous substances
- · How to reduce the risks of diseases carried by vermin
- The welfare facilities required to be provided on construction sites.
- How to reduce the risks from hand-arm vibration and noise at work

6. Fire and Emergency

You should have a basic understanding of:

- · What to do in the event of an emergency at work
- The types of fire extinguishers available and the types of fires they can each be used on
- · The importance of first aid following an accident
- Basic knowledge of fire safety in buildings including fire stopping and the role of the Building Safety Regulator

7. Work at Height

You should have a basic understanding of:

- The importance of using the most suitable access equipment for the task
- Only working from ladders or stepladders when the task is of low risk and short duration
- Safety precautions to be taken when using scaffolds, mobile elevated work platforms, safety harnesses etc.

8. Work Equipment

You should have a basic understanding of:

- Only using work equipment you have been trained and authorised to use
- The importance of carrying out checks on equipment before use
- Reporting any defects and not using defective equipment
- The use of reduced low voltage systems to supply hand-held electrical equipment on construction sites
- · The safe use of extension cables

9. Special Site Hazards

You should have a basic understanding of:

- The safety precautions to be taken before working in a confined space
- The precautions to be taken when carrying out excavation work to reduce the risks from contact with underground services, falling materials etc.
- The precautions to be taken when working near overhead power lines
- The dangers to pedestrians from vehicles on site
- The additional risks to young people at work and those working alone



10. Electrotechnical

You should have an understanding of:

- The effects of electric current on the body
- The types of socket outlets used on construction sites
- The need for persons working on electrical systems to be competent to do so
- The use of residual current devices for additional protection against electric shock
- Safe isolation procedures when working on electrical systems and equipment
- · Only working 'live' in exceptional circumstances
- Safe working with optical fibres

11. Environmental

You should have an understanding of:

- The responsibilities and requirements for handling materials
- · Actions for recycling and to minimise waste
- The identification of hazardous/special waste
- The precautions and procedures for handling hazardous/special waste
- Sustainability in the selection and use of materials



GENERAL HEALTH AND SAFETY AT WORK

QUE	STION 1.1	
Wh	at do the letters CDM stand for?	
A.	Control of Demolition and Management Regulations	Right Answer: D
B.	Control of Dangerous Materials Regulations	The CDM Regulations impose duties to manage
C.	Construction (Demolition Management) Regulations	construction projects, ensure physical safeguards are provided to prevent danger during such projects
D.	Construction (Design and Management) Regulations	and that adequate welfare facilities are provided.
QUE	STION 1.2	
Ide	ntify one method of enforcing regulations that are available	e to the Health and Safety Executive:
A.	Health Notice	Right Answer: B
B.	Improvement Notice	Improvement notices require action to achieve
С	Obstruction Notice	standards which meet health and safety law.
D.	Increasing insurance premiums	
QUE	STION 1.3	
Wh	at happens if a Prohibition Notice is issued by an Inspecto	r of the local authority or the HSE?
A.	The work in hand can be completed, but no new	Right Answer: C
, v.	work started	The work activity covered by a prohibition notice
B.	The work can continue if adequate safety precautions are put in place	must cease, until the identified danger is removed.
C.	The work that is subject to the notice must cease	
D.	The work can continue, provided a risk assessment is carried out	
QUE	STION 1.4	
Hea	alth and Safety Executive Inspector can?	
A.	Only visit if they have made an appointment	Right Answer: B
B.	Visit at any time	Inspectors have a range of powers, including the
C.	Only visit if accompanied by the principal contractor	right to visit premises at any time.
D.	Only visit to interview the site manager	
QUE	STION 1.5	
Pro	hibition Notice means:	
A.	When you finish the work you must not start again	Right Answer: B
B.	The work must stop immediately	The work activity covered by the prohibition notice
C.	Work is to stop for that day only	must cease, until the identified danger is removed.
D.	Work may continue until the end of the day	
QUE	STION 1.6	
In w	hat circumstances can an HSE Improvement Notice be iss	sued?
A.	If there is a breach of legal requirements	Right Answer: A
B.	By warrant through the police	Improvement notices require action to achieve
C.	Only between Monday and Friday on site	standards which meet health and safety law.
D.	Through the prosecution office	
	I .	



C.

D.

Name of the Health and Safety Adviser

Company Director's home address

	STION 1.7	
Wh	at is an Improvement Notice?	
A.	A notice issued by the site principal contractor to tidy up the site	Right Answer: D Improvement notices require action to achieve
B.	A notice from the client to the principal contractor to speed up the work	standards which meet health and safety law.
C.	A notice issued by a Building Control Officer to deepen foundations	
D.	A notice issued by an HSE/local authority Inspector to enforce compliance with health and safety legislation	
QUE	STION 1.8	
lf a	Health and Safety Executive Inspector issues a Prohibition	Notice, this means that:
A.	The Site Manager can choose whether or not to ignore the notice	Right Answer: B Prohibition notices are intended to stop activities
В.	Specific work activities, highlighted on the notice, must stop	which can cause serious injury.
C.	The HSE must supervise the work covered by the notice	
D.	The HSE must supervise all work from then on	
QUE	STION 1.9	
	ployers are required to provide information to their employed how to get advice by:	es on their health and safety rights and responsibilities
A.	Telling them verbally when they start work for them	Right Answer: B
B.	Displaying a poster or giving them leaflets approved by the HSE	This is a requirement of the Health and Safety Information for Employees Regulations (as amended).
C.	Making them read the company health and safety policy	
D.	E-mailing the information to them	
QUE	STION 1.10	
Wh	o is responsible for signing a Company Safety Policy?	
Α.	Site Manager	Right Answer: D
B.	Company Safety Officer	The Health and Safety at Work Act requires the most
C.	Company Secretary	senior member of management to sign the health and safety policy statement.
D.	Managing Director	
QUE	STION 1.11	
Wh	ich one of the following must be in a company's written Hea	Ith and Safety Policy?
Α.	Aims and objectives of the company	Right Answer: B
B.	Organisation and arrangements in force for carrying out the health and safety policy	This is a specific requirement of the Health and Safety at Work Act.



QUES	STION 1.12		
Employers have to produce a written Health and Safety Policy statement when:			
A.	A contract commences	Right Answer: B	
B.	They employ five people or more	This is a specific requirement of the Health and Safety	
C.	The safety representative requests it	at Work Act.	
D.	The HSE notifies them		
QUES	STION 1.13		
Cor	npanies employing five or more people must have a writte	n Health and Safety Policy because:	
A.	The principal contractor gives them work on site	Right Answer: B	
B.	The HSAWA 1974 requires it		
C.	The Social Security Act requires it		
D.	The trade unions require it		
QUES	STION 1.14		
Wh	at do the letters HSE stand for?		
A.	Highly Safe Electrician	Right Answer: D	
B.	Health and Safety Exercise	The Health and Safety Executive was established	
C.	Health and Safety Examiner	under the Health and Safety at Work Act 1974.	
D.	Health and Safety Executive		
QUES	STION 1.15		
The	Health and Safety Executive is:		
A.	Part of the National Health Service	Right Answer: B	
B.	The regulatory body for the promotion of health and safety at work	The Health and Safety Executive is part of the Department for Work and Pensions.	
C.	The jury in health and safety court cases		
D.	Part of the police force		
QUES	STION 1.16		
The	Health and Safety at Work Act requires employers to prov	ride what for their employees?	
۹.	Adequate rest periods	Right Answer: C	
В.	Payment for work done	This is a specific requirement of Section 2 of the	
C.	A safe place of work	Health and Safety at Work Act.	
D.	Suitable transport to work		
QUES	STION 1.17		
The	Health and Safety at Work Act 1974 and any regulations r	made under the Act are:	
A.	Not compulsory, but should be complied with if convenient	Right Answer: D The requirements of health and safety law are	
B.	Advisory to companies and individuals	mandatory and failure to follow them can lead	
C.	Practical advice for the employer to follow	to prosecution.	
D.	Legally binding		
	<u> </u>		



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	STION 1.18	
Und	der the Health and Safety at Work Act 1974, which of the foll	
A.	Employees only	Right Answer: D
B.	The general public	Employers, employees and the self-employed all have duties to work safely under the Act.
C.	Employers only	
D.	All people at work	
QUE	STION 1.19	
	at is the MAXIMUM penalty that a Higher Court, can currentl Vork Act?	y impose for a breach of the Health and Safety
A.	£20,000 fine and two years' imprisonment	Right Answer: D
B.	£15,000 fine and three years' imprisonment	A Lower Court can impose a fine of up to £20,000 and/or
C.	£1,000 fine and six months imprisonment	up to six months imprisonment for certain offences. The potential fine in a Higher Court, however, is unlimited
D.	Unlimited fine and two years' imprisonment	and the term of imprisonment can be up to 2 years.
QUES	STION 1.20	
Wh	at do the letters ACOP stand for?	
Α.	Accepted Code of Provisions	Right Answer: C
B.	Approved Condition of Practice	An ACOP is a code of practice approved by the
C.	Approved Code of Practice	Health and Safety Executive (or the Health and Safety Commission prior to April 2008).
D.	Accepted Code of Practice	,
QUES	STION 1.21	
Wh	ere should you look for official advice on health and safety n	natters?
Α.	A set of health and safety guidelines provided by suppliers	Right Answer: C
B.	The health and safety rules as laid down by the employer	The HSE is the UK enforcing body and its guidance
C.	Guidance issued by the Health and Safety Executive	can be regarded as 'official'.
D.	A professionally approved guide book on regulations	
QUES	STION 1.22	
Reg	gulations that govern health and safety on construction sites	5:
Α.	Apply only to inexperienced workers	Right Answer: D
В.	Do not apply during 'out of hours' working	The requirements of health and safety law are
C.	Apply only to large companies	mandatory, and failure to follow them can lead to prosecutions.
D.	Are mandatory (that is, compulsory)	
QUE	STION 1.23	
Wh	ich of the following statements is correct?	
A.	The duty for health and safety falls only on the employer	Right Answer: B
В.	All employees must take reasonable care, not only to protect themselves but also their colleagues	This is a legal requirement under Section 7 of the Health & Safety at Work Act.
C.	Employees have no responsibility for Health and Safety on site	



QUE	STION 1.24	
	o of the following would you expect to be responsible for n	nanaging health and safety on site?
Α.	Foreman	Right Answer: B
В.	Your employer	The responsibility for management of health and
C.	Main sub-contractor	safety at work rests with the employer.
D.	HSE Inspector	
QUE	STION 1.25	
Wh	ich of the following is correct for risk assessment?	
A.	It is a good idea but not essential	Right Answer: C
B.	Only required to be done for hazardous work	There is a legal requirement for all work to be suitably
C.	Must always be done	risk assessed.
D.	Only required on major jobs	
QUE	STION 1.26	
In t	ne context of a risk assessment, what do you understand b	by the term risk?
A.	An unsafe act or condition	Right Answer: D
B.	Something with the potential to cause injury	Hazard and risk are not the same. Risk reflects
C.	Any work activity that can be described as dangerous	the chance of being harmed by a hazard.
D.	The likelihood that harm from a particular hazard will occur	
QUE	STION 1.27	
Wh	o would you expect to carry out a risk assessment on your	working site?
A.	The CDM Co-ordinator	Right Answer: D
B.	A visiting HSE Inspector	A risk assessment must be conducted by a
C.	The construction project designer	'competent person'.
D.	A competent person	
QUE	STION 1.28	
Wh	at is a HAZARD?	
A.	Where an accident is likely to happen	Right Answer: C
B.	An accident waiting to happen	Examples of hazards include: a drum of acid, breeze blocks on an elevated plank; cables running across
C.	Something with the potential to cause harm	a floor.
D.	The likelihood of something going wrong	
QUE	STION 1.29	
Wh	at must be done before any work begins?	
A.	Emergency plan	Right Answer: B
B.	Assessment of risk	This is a legal requirement of the Management of Health and Safety at Work Regulations.
C.	Soil assessment	or rieditirand Safety at Work Negulations.
D.	Geological survey	



	STION 1.30	
Cor	mplete the following sentence: A risk assessment:	
۹.	Is a piece of paper required by law	Right Answer: C
3.	Prevents accidents	Risk assessment involves a careful review of what can cause harm and the practical measures to be taken to
С.	Is a means of analysing what might go wrong	reduce the risk of harm.
D.	Isn't particularly useful	
QUES	STION 1.31	
۷h	y would your supervisor ask you to read the method staten	nent and risk assessment before you start your next job?
۹.	They think you have got nothing better to do	Right Answer: B
В.	The documents contain information on how to carry out the job in a safe manner	The supervisor must, by law, keep workers advised of significant risks, and control measures.
Э.	They wouldn't as they think they are a waste of time	
D.	As someone has taken the time and trouble to write them, you might as well read them	
QUES	STION 1.32	
Wh	at do the blue and white health and safety signs tell you?	
۹.	Things you must do	Right Answer: A
3.	Where the nearest fire exit is	Blue and white signs show a 'mandatory' requirement.
Э.	The hazards in the area	
D.	Things you must not do	
QUES	STION 1.33	
Wh	at colours are emergency exit signs?	
۹.	Green and white	Right Answer: A
3.	Red and yellow	The colours are prescribed in the Health and Safety
Э.	Red and white	(Safety Signs and Signals) Regulations.
D.	Blue and white	
QUES	STION 1.34	
Wha	at is the main colour on a safety sign stating that you must	NOT do something?
۹.	Blue	Right Answer: C
В.	Green	Prohibitory signs are round and feature a black
C.	Red	pictogram on a white background with red edging and diagonal line.
D.	Yellow	
UES	STION 1.35	
	Health and Safety (Safety Signs and Signals) Regulations as ign indicating a warning, for example 'Fork-lift trucks ope	
۹.	Blue and white	Right Answer: C
3.	Green and white	Warning signs are triangular and feature a black
С.	Yellow and black	pictogram on a yellow background with black edging.



QUESTION 1.36

The Health and Safety (Safety Signs and Signals) Regulations require the colour coding of safety signs. What colours are used on a sign indicating a prohibited activity, for example 'No access for pedestrians'?

A.	Green and white	Right Answer: B
B.	Red, black and white	Prohibitory signs are round and feature a black
C.	Blue and white	pictogram on a white background with red edging and diagonal line.
D.	Yellow and black	-

QUESTION 1.37

The Health and Safety (Safety Signs and Signals) Regulations require the colour coding of safety signs. What colours are used on a sign indicating a mandatory activity, for example 'Safety helmets must be worn'?

A.	Green and white	Right Answer: C
B.	Red, black and white	Mandatory signs are round and feature a white
C.	Blue and white	pictogram on a blue background.
D.	Yellow and black	

QUESTION 1.38

The Health and Safety (Safety Signs and Signals) Regulations require the colour coding of safety signs. What colours are used on a sign indicating a safe condition, for example First Aid kit?

A.	Red, black and white	Right Answer: D
B.	Blue and white	Emergency escape and first-aid signs are rectangular
C.	Yellow and black	or square and feature a white pictogram on a green background.
D.	Green and white	

QUESTION 1.39

Why should regular inspections of the workplace take place?

A.	To check whether the working environment is safe	Right Answer: A
B.	To check that all employees are present	The Management of Health and Safety at Work
C.	To check that everyone is doing their job	Regulations require that routine inspections of workplaces are carried out to ensure that preventative
D.	To prepare for a visit from an HSE Inspector	and protective measures are in place and effective.

QUESTION 1.40

How can you help to prevent accidents?

A.	Don't report them	Right Answer: C
B.	B. Know how to get help quickly	Action to improve safety can only be taken if the risk
C.	Report any unsafe conditions	is known about. Employees have a duty of care to other employees.
D.	Know where the first-aid kit is kept	



MANUAL HANDLING OPERATIONS

QUE	STION 2.1			
If th	nere is a risk of injury from lifting loads what should you thi	ink about first?		
A.	Whether the load needs to be lifted at all	Right Answer: A		
B.	What the weight of the load is	If possible, it is best to avoid the risks from lifting		
C.	Where to hold the load when lifting	altogether. This is the preferred requirement laid down in the Manual Handling Operations Regulations 1992.		
D.	How to lift the load			
QUE	STION 2.2			
Bef	ore performing manual lifting what is the first thing you sh	ould do?		
A.	Check the headroom	Right Answer: C		
B.	Weigh the article	If you assess the whole task first, you will have a clear		
C.	Assess the whole task	idea of possible hazards and how to overcome them, before lifting.		
D.	Kick it to see if it is stable			
QUE	STION 2.3			
	ich is the part of your body MOST LIKELY to be injured dur ving a heavy load?	ring a manual handling activity which involves		
A.	Knees	Right Answer: D		
B.	Forearms	HSE statistics show that most manual handling injuries are to the back.		
C.	Chest	are to the back.		
D.	Back			
QUESTION 2.4				
Wh	at should you do if your supervisor asks you to move som	ething that you find is too heavy to lift?		
A.	Give it a try using correct lifting methods	Right Answer: C		
B.	Ask your mates to assist in the lift	The HSE advises employees to inform the employer if they identify hazardous handling activities.		
C.	Inform your supervisor that it is too heavy	in they lactitify hazardodo harianing activities.		
D.	Get a forklift truck or lifting tackle			
	STION 2.5			
Wh	at would you NOT consider in making a judgement of the r			
Α.	Its size and condition	Right Answer: B		
B.	Its colour	A, C and D can all affect the difficulty of lifting an object.		
C.	Its weight			
D.	Its centre of gravity			
	STION 2.6			
Wh	en moving a load fitted with wheels which of the following			
A.	Pushing and pulling are equally risky	Right Answer: C		
B.	Pulling is preferable to pushing	The operator should try to push rather than pull when moving a load, provided they can see over it and control		
C.	Pushing is preferable to pulling	steering and stopping.		
D.	It is safer to pick it up and carry it			



A. Automated effort B. Human effort Manual from the Manual handling covers human effort only. C. Mechanised and human effort D. Mechanised effort What is the MAXIMUM weight that an individual may lift? A. The weight they can lift comfortably B. Whatever the supervisor instructs There are no strict weight limits – the priority is to avoid injury. B. Whatever the supervisor instructs There are no strict weight limits – the priority is to avoid injury. C. 35kg provided that it has no sharp edges UISSION 2.3 What is the most common type of injury resulting from lifting loads from the floor? A. Vibration white finger Right Answer: D B. Grazes to the knees C. Head injuries D. Back injuries UISSION 2.10 Where a load has to be lifted manually, what is the employer required to do by law? A. Calculate the cost of the exercise Right Answer: C This is a specific requirement of the Manual Handling Operations regulations 1992. Where a load has to be lifted manually, what is the employer required to do by law? A. Calculate the cost of the exercise Right Answer: C This is a specific requirement of the Manual Handling Operations regulations 1992. WISSION 2.11 Which of the following is advisable when lifting a load manually? A. Keep legs straight, bend back, use power of legs Bendt the knees, keep the back straight, use power of legs Bendt the knees, keep the back straight, use power of legs WISSION 2.12 In manual handling, which of the following general statements is true? A. You should keep your back bent when lifting Right Answer: C This is a recommendation (INDG143).					
A. Automated effort Britanne effort Manual from the Manual handling covers human effort only. Mochanised and human effort Manual handling covers human effort only. Mochanised effort the following effort filter handling covers human effort only. Mochanised effort the followi	QUE	STION 2.7			
Human effort Mechanised and human effort Mechanised effort Witsitus 2.8 What is the MAXIMUM weight that an individual may lift? A The weight they can lift comfortably B. Whatever the supervisor instructs C. 35kg provided that it has no sharp edges D. 15kg provided that it is a compact load WISTIUS 2.8 What is the most common type of injury resulting from lifting loads from the floor? A Vibration white finger B Grazes to the knees C. Head injuries Without 10 the cost of the exercise D. Back injuries WISTIUS 2.10 Where a load has to be lifted manually, what is the employer required to do by law? A Calculate the cost of the exercise D Assess the risk of the task D Assess the risk of the task D Assess the time the job will take WISTIUS 2.11 Which of the following is advisable when lifting a load manually? A Keep legs straight, bend back, use power of legs B Bend the knees, keep the back straight, use power of back C Bend the knees, keep the back straight, use power of legs USSIUN 2.12 Which is the most common type of injury resulting from lifting a load manually? A Keep legs and back straight, use power of legs Wisting 2.11 Which of the following is advisable when lifting a load manually? A Keep legs and back straight, use power of legs We keep legs and back straight, use power of legs Wisting 2.12 In manual handling, which of the following general statements is true? A You should keep your back bent when lifting B Aryone can carry any load as long as they are strong enough Large loads should be broken down into smaller loads where possible Large loads should be broken down into smaller loads Where possible	Αm	A manual handling operation is defined as which one of the following?			
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strong enough C. Large loads should be broken down into smaller loads where possible	A.	You should keep your back bent when lifting	Right Answer: C		
where possible	B.		This is a recommendation (INDG143).		
D. Loads should be held at arm's length while carrying	C.	_			
	D.	Loads should be held at arm's length while carrying			



QUES	STION 2.13				
Wh	What is the recommended limit for a compact load, that can be safely carried by a fit, male worker?				
A.	50kg	Right Answer: D			
B.	40kg	This figure is in HSE guidance, and relates to lifting			
C.	20kg	and lowering at elbow height.			
D.	25kg				
QUES	STION 2.14				
Wh	ere there has been a major change in a manual handling ope	eration, what should the employer do?			
A.	Monitor the operation being undertaken	Right Answer: C			
B.	Review the number of people involved	This is a specific requirement of the Manual Handling			
C.	Review the original risk assessment	Operations regulations 1992.			
D.	Monitor the cost of change				
QUES	STION 2.15				
Wh	at should be the first consideration when you are about to li	ft a load on your own?			
A.	Assess whether it is safe to lift it on your own	Right Answer: A			
B.	Ensure you wear appropriate PPE	Employees should assess whether there is a risk of			
C.	Wear gloves and grip properly	injury before lifting. If they are not sure they should seek advice from their supervisor.			
D.	Ensure you lift with a bent back				
QUES	STION 2.16				
Wh	ich of the following would NOT make a load easier to handle	manually?			
A.	Painting it a bright colour	Right Answer: A			
B.	Securing the load so that it does not shift unexpectedly				
C.	Reducing its weight				
D.	Providing suitable handles or hand grips				
QUES	STION 2.17				
If th	ere is a risk of injury from moving loads what should you thi	nk about?			
A.	Advising your supervisor	Right Answer: A			
B.	Carrying it anyway	This is a requirement of the Manual Handling Operations regulations 1992.			
C.	Dragging it all the way	Operations regulations 1992.			
D.	Getting someone to assist you over the distance				
QUES	STION 2.18				
Asa	an approximate guide the manual handling capacity of a two	person team is:			
A.	The sum of their individual capacities	Right Answer: D			
B.	The capacity of the strongest individual	This is contained in HSE guidance on the Manual			
C.	The capacity of the weakest individual	Handling Operations Regulations 1992.			
D.	Two thirds the sum of their individual capacities				



QUES	STION 2.19	
Wh	at does 'Kinetic lifting' mean?	
Α.	Using a crane or some other mechanical means	Right Answer: C
B.	Using a forklift truck or pallet truck	
C.	Lifting in the most safe and effective way	
D.	Getting a friend to help you with the load	
QUE	STION 2.20	
Wh	at should you do first before lifting or moving a load?	
A.	Put on gloves	Right Answer: B
В.	Assess the weight	You or your employer must assess the risk of injury
C.	Keep a straight back	before lifting.
D.	Bend your knees	
QUE	STION 2.21	
Bef	ore picking up a load, you should:	
A.	Bend your knees	Right Answer: D
В.	Choose a pair of gloves	You or your employer must assess the risk of injury
C.	Ask a work mate to help you	before lifting.
D.	Assess the risks	
QUE	STION 2.22	
Wh	en picking up an object, you should:	
A.	Bend your arms	Right Answer: D
В.	Bend your back	Generally, the legs should do most of the work when
C.	Wear a back brace	lifting a load.
D.	Bend your knees	
QUE	STION 2.23	
Wh	en judging 'individual capability' for manual handling, you	should assume:
Α.	All women are equally capable	Right Answer: C
B.	Young men are weak	Assessing ability for manual handling must be done on an individual basis.
C.	All people are different	on an individual basis.
D.	All men are equally capable	
QUE	STION 2.24	
Wh	en an article has to be moved for a long distance, you sh	ould:
A.	Use a barrow or trolley	Right Answer: A
B.	Get someone else to do it for you	The use of handling aids can reduce the risk of injury.
C.	Drag it all the way	
D.	Carry it all the way	



QUESTION 2.25				
Whi	Which is the correct way to lift a load?			
A.	Squat near load, bend back and use leg muscles	Right Answer: B		
B.	Squat near to the load, keeping the back as straight as possible and using leg muscles	Handling techniques which allow the use of relatively strong leg muscles rather than those of the back		
C.	Keep feet apart and bend back	are preferable.		
D.	Keep feet together and bend back			
QUES	IUESTION 2.26			
Whi	ich would you consider to be generally correct when lifting a	a load?		
A.	Larger loads should be split into smaller loads if possible	Right Answer: A		
B.	Keep the load away from the body	This is a recommendation in HSE guidance (INDG143).		
C.	When lifting you should bend your back			
D.	The feet should be together and the load lifted at arm's length			
QUES	STION 2.27			
If a	load has an uneven centre of gravity, how should you lift it?			
A.	Keep the heaviest side of the load away from you	Right Answer: C		
B.	Keep the heaviest side of the load on the strongest arm	There is less risk of injury if a weight's centre of gravity		
C.	Keep the heaviest side of the load towards you	is near the torso.		
D.	Keep the heaviest side of the load on the weakest arm			



REPORTING ACCIDENTS

QUES	QUESTION 3.1				
Wha	What should you ensure if you suffer an injury through a manual handling operation?				
A.	You get paid for the job	Right Answer: B			
B.	The injury is recorded	All injuries must be recorded in the company accident			
C.	You get help and carry on working	book (BI 510).			
D.	You take time off work				
QUES	TION 3.2				
Why	y should a serious accident be reported to the enfourcing	authority?			
A.	It helps the site find out what caused it	Right Answer: B			
B.	It is legal requirement	Serious accidents (specified injuries or those resulting in an absence of over 7 days) must be reported to the			
C.	So that the site manager can see who is to blame	enforcing authority under the Reporting of Injuries, Diseases and Dangerous Occurrencs Regulations			
D.	So that the company will be held responsible	(RIDDOR).			
QUES	QUESTION 3.3				
Wha	at immediate action should you take if you suffer an injury	through carrying a load?			
A.	Advise your doctor of your injury	Right Answer: B			
B.	Tell your supervisor or employer	All injuries must be recorded in the company			
C.	Tell your working companion	accident book (BI 510).			
D.	Carry on working as best you can				
QUES	CTION 3.4				
Und	ler RIDDOR, which one of the following must be reported t	o the enforcing authority?			
A.	Accidents where the injured person wishes to make a claim	Right Answer: B This is one of a number of reportable 'specified injuries'			
B.	Fracture other than to fingers, thumbs or toes	and must be reported to the enforcing authority			
C.	All 'near misses' even if no one is hurt	under Reporting of injuries. Diseases and Dangerous Occurances Regulations (RIDDDOR).			
D.	All accidents casing injury	Coolin 1000 Nogulation (INDED City).			
QUES	QUESTION 3.5				
Whi	Which of the following has the power to examine an accident record?				
A.	An HSE inspector	Right Answer: A			
B.	An Insurance company	HSE inspectors have a range of powers, including this one.			
C.	A doctor	uns one.			
D.	A workmate				



QUES	QUESTION 3.6				
Whi	Which of the following should be recorded in the accident book following an accident?				
A.	The date and time the accident occurred	Right Answer: A			
B.	Your date of birth	The information to be entered in an accident book (BI 510) includes when and where the accident happened, the name and address and occupation of the person			
C.	The weather conditions	who had the accident and details of how the accident happened and the injuries suffered. The weather conditions would only be included if they contributed			
D.	Your National Insurance Number	to the accident.			
QUES	CTION 3.7				
Whi	ch one of the following accounts for most accidents each y	rear on construction sites?			
A.	Strikes by moving vehicles	Right Answer: D			
B.	Electrocution	HSE Statistics show clearly that there are more slips,			
C.	Trench collapses	trips and falls than any other types of accident on site.			
D.	Slips, trips and falls				
QUES	CTION 3.8				
Whi	ch of the following is NOT classified as a specified injury to	a worker under RIDDOR?			
A.	A fractured finger	Right Answer: A			
B.	A fractured arm	Amputation of an arm, hand, finger, thumb, leg, foot			
C.	Amputation of a finger	or toe are classified as specified injuries, as are bone fractures other than to fingers, thumbs or toes.			
D.	A broken wrist				
QUES	CTION 3.9				
Whi	ch one of the following should you do if you witness a serio	us accident on site?			
A.	Pretend you saw nothing	Right Answer: D			
B.	Say nothing in case you get in trouble	If the supervisor is aware of an accident he can take			
C.	Discuss what to do with your workmates	steps to prevent a recurrence. The employer also has legal duties to report certain incidents to the			
D.	Tell your supervisor what you saw happening	enforcing authority.			
QUES	CTION 3.10				
	A workmate tells you that he witnessed an accident the previous day and the victim was taken to hospital. He asks you for advice on what he should do. Do you tell them to:				
A.	Speak to the site nurse about what he saw	Right Answer: B			
B.	Tell their supervisor that they saw what happened	If the supervisor is aware of an accident he can take			
C.	Telephone the hospital to find out how the injured person is	steps to prevent a recurrence. The employer also has legal duties to report certain incidents to the enforcing authority.			
D.	Say nothing to anyone in case they get someone in trouble				



C.

D.

Your personal diary

The main contractor's diary

QUE	STION 3.11			
	person at work suffers an injury (other than a specified in DOOR if they are incapacitated for work for:	jury) due to an accident at work, it is reportable under		
Α.	Over 1 day	Right Answer: B		
В.	Over 7 days	An over-seven-day injury is one which is not a specified injury but results in the injured person being away from work or unable to do the full range of their normal		
C.	Over half a day	duties for more than seven days (including any days they wouldn't normally be expected to work such as weekends, rest days or holidays) not counting the day		
D.	Over 2 days	of the injury itself.		
QUE	STION 3.12			
Wh	at must an employer do with their accident records follow	ving completion of a construction project?		
A.	They are sent to the Health and Safety Executive	Right Answer: C		
B.	They are destroyed on site with other non-essential documents	Accident records must be kept by an employer for at least three years.		
C.	They are kept safe by the employer			
D.	They are sent to the employer's insurance company			
QUESTION 3.13				
At ۱	work who would you report a dangerous occurrence to?			
A.	The emergency services	Right Answer: B		
B.	Your supervisor or employer	Under RIDDOR. an employer has a legal duty to report		
C.	Another employee	certain work-related accidents, but to do this they will need to know that an accident has occurred.		
D.	The client for the project			
QUE	STION 3.14			
Fol	lowing a reportable dangerous occurrence when must the	e enforcing authority be informed?		
A.	Within 5 days	Right Answer: C		
B.	Within 48 hours	The enforcing authority must be notified by the quickes		
C.	Without delay	practicable means.		
D.	Within 24 hours			
QUE	STION 3.15			
Accidents causing any injury should always be recorded in:				
A.	The site engineer's day book	Right Answer: B		
B.	Your employer's accident recording system	All accidents should be recorded in the accident book		

(BI 510).



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Which one of the following is classified as a reportable occupational disease under RIODOR?

A.	Mental disorder	Right Answer: B
B.	Occupational asthma	Certain occupational diseases likely to have been caused or made worse by work are reportable under
C.	Amputation	RIODOR. This would include occupational asthma where the person's work includes significant or regular
D.	Influenza	exposure to a known respiratory sensitizer.

QUESTION 3.17

When a person is injured at work, who should enter the details in the accident book?

A.	The injured person's supervisor	Right Answer: B
B.	The injured person or anyone acting for them	This is the procedure for recording accidents internally
C.	The site manager or engineer	in the accident book (BI 510).
D.	The site safety manager	

QUESTION 3.18

If you are involved in a minor accident at work, whose duty is it to report it to site management?

A.	Any witness to the accident	Right Answer: C
B.	The police, fire or ambulance who attend	Employers rely on employees to advise them of
C.	It is your own responsibility	occurrences at work.
D.	The site foreman should report it	

QUESTION 3.19

You have suffered an accident at work which has made you incapable of your normal work for over 7 days. Which of the following actions MUST be taken by your employer?

A.	The emergency services are asked to attend the site	Right Answer: C
B.	The local hospital is informed	An over-seven-day injury is one which is not a specified injury but results in the injured person being away from work or unable to do the full range of their normal
C.	The relevant enforcing authority is informed	duties for more than seven days (including any days they wouldn't normally be expected to work such as
D.	A deduction is made from your wages for days lost	weekends, rest days or holidays) not counting the day of the injury itself.

QUESTION 3.20

The collapse of scaffolding is only notifiable to the enforcing authority as a reportable dangerous occurrence when the scaffolding is which one of the following?

A.	Over 15 metres in height	Right Answer: D
B.	Any height	This is one of the requirements of RIDDOR.
C.	Over 10 metres in height	
D.	Over 5 metres in height	



QUES	STION 3.21		
If th	f there is a fatal accident on site, when must the Health and Safety Executive be informed?		
A.	Without delay	Right Answer: A	
B.	Within 10 days	The enforcing authority must be notified by the	
C.	Within 7 days	quickest practicable means.	
D.	Within 5 days		
QUES	STION 3.22		
Und	der which of the following circumstances should an acciden	t be recorded in the site's accident book?	
A.	When an accident causes damage to plant or equipment	Right Answer: D	
B.	Only when a person is injured and will be off work for more than seven days	An accident causing an injury to an employee at work should be recorded in the accident book (BI 510).	
C.	When the injury is serious enough for first aid to be needed		
D.	When an accident causes injury to an employee while at work		
QUES	STION 3.23		
Wh	ich of the following have to be entered into the accident bo	ok?	
A.	All accidents causing any damage	Right Answer: B	
B.	All accidents causing an injury	An accident causing an injury to an employee at work	
C.	Only accidents causing serious injury	should be recorded in the accident book (BI 510).	
D.	Only accidents causing time off work		
QUES	STION 3.24		
Unc	der which of the following circumstances must injury accide	ents be recorded in the accident book?	
A.	Only if you break a bone	Right Answer: C	
B.	Only if you have time off work	An accident causing an injury to an employee at work	
C.	Any time they occur	should be recorded in the accident book (BI 510).	
D.	Only if you need to go to hospital		
QUES	STION 3.25		
An	entry must be made in the accident book when:		
A.	The person has been off sick for over seven days	Right Answer: C	
B.	Management thinks it is appropriate	An accident causing an injury to an employee at work	
C.	An accident causes personal injury to an employee	should be recorded in the accident book (BI 510).	
D.	The severity of the accident may result in a compensation claim		
QUES	STION 3.26		
Wh	ich of the following MUST be recorded in an accident book	after you have had an accident?	
A.	Your National Insurance number	Right Answer: C	
B.	Your date of birth	The information to be entered in an accident book (BI 510) includes when and where the accident	
C.	Your occupation	happened, the name, address and occupation of the person who had the accident and details of how the	
D.	Your phone number	accident happened and the injuries suffered.	



Whic	TION 3.27 ch of the following can you learn from an accident?	
Δ		
	A combination of human error and mechanical failure always causes injury	Right Answer: B An accident investigation should not only assess the
B.	Ideas on how you would prevent it happening again	cause, but also how similar accidents can be prevented
C.	That mechanical failures are most dangerous	in the future.
D.	How human error is always a cause	
QUEST	TION 3.28	
Coul	ld making an entry in the accident book help you if you late	r make a claim for compensation?
A.	Only if it is a serious injury	Right Answer: D
B.	No	This is laid down in Social Security Legislation.
C.	Only in the event of a fatality	
D.	Yes	
QUEST	TION 3.29	
Why	is it important to report 'near miss' accidents to your empl	loyer?
A.	It's the law	Right Answer: C
B.	To make the figures look good	HSE advises that 'near misses' should be investigated
C.	So lessons can be learned, preventing an accident next time	to prevent their recurrence.
D.	So that someone can be disciplined	
QUEST	TION 3.30	
Who	should you report serious accidents to?	
A.	Your workmate	Right Answer: B
B.	Your employer or supervisor	If the supervisor is aware of an accident he can take
C.	The police	steps to prevent a recurrence. The employer also has legal duties to report certain incidents to the
D.	The ambulance service	enforcing authority.
QUEST	TION 3.31	
Wha	at is the aim of carrying out an accident investigation?	
A.	To determine the cause(s) and prevent similar accidents	Right Answer: A
B.	To establish what injuries were sustained	An accident investigation should not only assess the
C.	To find out who is at fault	cause, but also how similar accidents can be prevented in the future.
D.	To establish the cost of any damage incurred	
QUEST	TION 3.32	
You have witnessed a serious accident on your site and are interviewed by an HSE inspector. You should:		erviewed by an HSE inspector. You should:
A.	Tell the inspector what your mates said you should say	Right Answer: C
B.	Ask your supervisor what you should say to the inspector	This is good practice, but it can also be an offence
	Co-operate fully with the inspector and tell them exactly	to withhold important information from an inspector.
(:	what you saw	



PERSONAL PROTECTIVE EQUIPMENT AT WORK

OUF	STION 4.1	
	en working in dusty conditions, what of the following wou	ıld give the LEAST level of protection?
Α.	Compressed airline breathing helmet	Right Answer: D
B.	Positive pressure powered respirator	Protection factors are given in HSE publication HSG53
C.	Self-contained breathing apparatus	'Respiratory protective equipment at work – A practical guide'.
D.	Half mask dust respirator	guide.
QUE	STION 4.2	
In h	not weather which one of the following is correct with rega	ard to safety helmets?
A.	You can take off your helmet while working inside the building	Right Answer: B On construction sites, despite controls being put in
B.	You must continue to wear your helmet	place, there will always be situations where a risk of head injury remains. Taking off your helmet would put you at a
C.	You can drill holes in your safety hat for ventilation	much greater risk of a head injury and any unauthorised modification would be in breach of legal requirements
D.	You do not need to wear your helmet	and could render the helmet next to useless.
QUE	STION 4.3	
Wh	ich one of the following should you do if your personal pro	otective equipment (PPE) is damaged?
A.	Obtain new equipment when available	Right Answer: B
B.	Report to your Supervisor without delay	Employees are required to report any defective PPE
C.	Reduce the amount of time you sue it	to their employer (PPE at Work Regulations 1992, Regulation 7).
D.	Carry on working	
QUE	STION 4.4	
lf p	ersonal protective equipment (PPE) is defective, what she	ould you do?
A.	Complain to the Health and Safety Inspector	Right Answer: C
B.	Get your workmate to mend it if possible	Employees are required to report any defective PPE to their employer (PPE at Work Regulations 1992,
C.	Report it to your supervisor	Regulation 7).
D.	Repair if possible and continue to use it	
QUE	STION 4.5	
In r	normal use, what item of PPE is NOT essential for the oper	rator of a cartridge-operated tool, such as a nail gun?
A.	Safety eyewear	Right Answer: C
B.	Hearing protection	Wellingtons do not offer protection against the specific risks associated with the use of a cartridge-operated
C.	Wellington boots	tool, although safety footwear must always be work
D.	Safety helmet	when there is a risk of a foot injury.
	STION 4.6	
Car	n you opt out of wearing personal protective equipment (F	
A.	Yes, by informing the site supervisor	Right Answer: C
B.	Yes, by writing officially to your employer	You cannot legally 'opt out' of being protected from significant risks at work. This includes wearing the
C.	No, you cannot opt out	necessary PPE.
D.	Yes, if it is uncomfortable	



D.

It is less than 1 year old

NIIF!	STION 4.7	
	at is the most important item of personal protective equipm	nent (PPE) when working on or near a highway?
Α.	Safety footwear	Right Answer: D
3.	Waterproof clothing	A high visibility vest is the most important of PPE
С.	Hard hat	however, the other items of PPE may also be required.
D.	High visibility vest	_
QUES	STION 4.8	
lf yo	ou are drilling into concrete with a masonry drill, in which on protection?	e of the following circumstances will you need to wear
Α.	Always	Right Answer: A
В.	Only when drilling overhead	Suitable eye protection must always be worn when
C.	Only if the drill is bigger than 10mm	working with power-driven tools where chippings are likely to fly or abrasive materials could be propelled.
D.	Not if drilling into the floor	intery to my or abrasive materials could be properled.
QUES	STION 4.9	
Wh	en must you wear all personal protective equipment (PPE) p	provided by your employer?
A.	As instructed by your employer	Right Answer: A
В.	Only if it fits	Under the PPE at Work Regulations 1992, employees
C.	When you want to	must wear PPE as instructed.
D.	Only when you need to	
QUES	STION 4.10	
Wh	en MUST an employer provide their employees with person	al protective equipment (PPE)?
A.	When they may be exposed to a risk to their health and safety which cannot be controlled another way	Right Answer: A As required by regulation 4 of the PPE Regulations.
В.	Twice a year	
C.	If the client or main contractor specifies it in the contract	
D.	Every 5 years	
QUES	STION 4.11	
Wh	at type of eye protection would you wear when using a cart	ridge-operated tool, such as a nail gun?
۹.	Impact goggles	Right Answer: A
В.	Sun glasses	When using a cartridge-operated tool, such as a nail
C.	Safety spectacles	gun, shatter proof goggles should be worn.
D.	Chemical protection glasses	
QUES	STION 4.12	
	ich of the following must your safety helmet comply with to uipment at Work Regulations?	meet with the requirements of the Personal Protective
A.	It can be adjusted to suit your head size	Right Answer: A
В.	It is a good visible colour	An assessment of the suitability of head protection would include consideration of whether it can be
		adjusted to suit the individual who is to wear it, that it

comfortable to wear.



QUESTION 4.13			
In w	In which of the following ways should you wear your safety helmet?		
A.	With the peak raised to deflect falling material	Right Answer: D	
B.	With the helmet back to front	Any item of personal protective equipment must	
C.	With the peak raised to give good vision	be used in accordance with the manufacturer's instructions, which will include how to correctly fit	
D.	Square on your head, properly adjusted	and wear it and what its limitations are.	
QUES	STION 4.14		
	en an employee has been issued with eye protection, what a Vork Regulations?	are their duties under the Personal Protective Equipment	
A.	To ensure that they are the right type of protector	Right Answer: C	
B.	Not to loan the equipment to other operatives	Regulation 10(2) requires that every employee shall use	
C.	To use the protection in accordance with training and instruction	any PPE in accordance with the training and instruction received.	
D.	To pay for replacement of lost eye protection		
QUES	STION 4.15		
Wh	en should you wear safety footwear on site?		
A.	Only when working on scaffolds	Right Answer: B	
B.	When there is a risk of a foot injury	Suitable safety footwear should be worn if there is a	
C.	Only when working outdoors	risk of injury from objects falling onto the foot or sharp objects, such as nails, penetrating the sole.	
D.	Only if the site conditions are wet		
QUES	STION 4.16		
Wit	h regard to the use of personal protective equipment (PPE),	which one of the following statements is true?	
A.	If you do not use the personal protective equipment (PPE) provided you will probably not come to any harm	Right Answer: B PPE is there to protect the individual. Wearing PPE	
B.	Personal protective equipment (PPE) protects only the user from the dangers present	does not protect other people nearby.	
C.	Personal protective equipment (PPE) need only be provided if it is not too expensive		
D.	Personal protective equipment (PPE) need only be used if it is available		
QUES	STION 4.17		
Which of the following statements is TRUE when an employer issues personal protective equipment (PPE)?		ssues personal protective equipment (PPE)?	
A.	The employer can charge you for the full cost of it	Right Answer: B	
B.	The employer cannot charge you for it	Employers cannot charge for PPE such as hard hats,	
C.	The employer can charge you for up to half the cost of it	gloves, required by law (and the bulk of PPE is required by law).	
D.	The employer can only charge you for it if you lose or damage it	-	



	STION 4.18	
Wh	ich one of the following must apply to any hard hat provider	
A.	It is CE or UKCA marked	Right Answer: A
B.	It is less than 5 years old	All PPE should be CE – marked, indicating that it meets the basic health and safety requirements.
C.	It is less than 1 year old	
D.	It is less than 2 years old	
QUES	STION 4.19	
Wh	en using personal protective equipment (PPE) legally you n	nust do which of the following?
Α.	Not interfere with it or misuse it	Right Answer: A
B.	Replace it at your own expense if it is damaged	Interfering with or misusing items provided in the interests of health, safety or welfare is an offence
C.	Return it to the manufacturer when damaged	under the HSW Act 1974 (Section 8).
D.	Clean it properly once a week	
QUES	STION 4.20	
If it	is necessary for an employee to use personal protective e	quipment, who has a duty to provide it?
A.	The trade union	Right Answer: C
B.	The employee	This is a requirement of the PPE at Work Regulations
C.	The employer	1992 (Regulation 4).
D.	The principal contractor	
QUES	STION 4.21	
Wh	en should a safety helmet be worn on site?	
A.	At all times unless there is no foreseeable risk of injury to the head other than by falling	Right Answer: A The circumstances when there is no foreseeable risk o
B.	When you are out in the open air	head injury from falling or swinging objects or striking
C.	When walking to and from a place of work	the head against something will be very limited in most construction work.
D.	Only when something may fall	GONDA
QUES	STION 4.22	
A c	olleague has drilled holes in the top of their safety helmet b	pecause the weather is hot. Is this:
Α.	Acceptable if the holes are small	Right Answer: D
В.	Their choice	Interfering with or misusing items provided in the
C.	Acceptable	interests of health, safety or welfare is an offence under the HSW Act 1974 (section 8).
D.	In breach of legal requirements	under the 115W Act 1374 (section 6).
QUES	STION 4.23	
Wh	o has a duty to provide PPE (Personal Protective Equipmen	t) for use by an employee?
Α.	The employer	Right Answer: A
В.	The principal contractor	This is a requirement of the PPE at Work Regulations
C.	The employee	1992 (Regulation 4).
	I and the second se	



QUESTION 4.24

When would it be appropriate to wear a bump-cap instead of a safety helmet?

A.	When there is no foreseeable risk of injury from falling or swinging objects
B.	In warm weather
C.	When working in excavations
D.	When working on a ladder

Right Answer: A

Industrial scalp protectors (bump caps) can protect against striking fixed obstacles, scalping or entanglements. They do not provide suitable protection against falling or swinging objects.

QUESTION 4.25

How can you protect your eyesight while working on site?

A.	By squinting
B.	By not looking directly at what you are doing
C.	By wearing the correct type of eye protection
D.	By wearing sunglasses

Right Answer: C

QUESTION 4.26

When is head protection required to be worn on a construction site to comply with the Personal Protective Equipment at Work Regulations?

A.	At all times except by those who are self employed
B.	Only when you feel like it
C.	At all times unless you are working on scaffold
D.	At all times unless there is no foreseeable risk of injury to the head other than by falling

Right Answer: D

If there is no risk of injury to the head, then hard hats are not required by law. However, on construction sites, despite controls being in place, there will almost always be situations where a risk of head injury remains and require head protection to be worn. Site rules will also require the wearing of head protection other than in any designated safe areas.

QUESTION 4.27

Why should a high visibility vest be worn when working on roads?

A.	So road users and plant operators can see you
B.	Because you were told to do so
C.	Because it will keep you warm
D.	So that your mates can see you

Right Answer: A

Many workers are struck and injured, often seriously, by moving vehicles.

QUESTION 4.28

When considering what measures to take to protect people's health and safety, PPE should always be regarded as:

A.	The last resort	Right Answer: A
B.	The first line of defence	Engineering controls and safe systems of work should
C.	The best way to tackle the job	always be considered first.
D.	The only practical measure	



HEALTH AND HYGIENE

QUES	STION 5.1		
Exposure to asbestos fibres may cause which one of the following?			
A.	Dermatitis	Right Answer: D	
B.	Asthma	Breathing in asbestos fibres can also lead to a	
C.	Glandular fever	number of other diseases, including lung cancer and mesothelioma.	
D.	Asbestosis		
QUES	STION 5.2		
Asb	estos is suspected in the workplace, during renovation do	you:	
A.	Remove it	Right Answer: D	
B.	Paint it	Competent advice must be sought, to prevent	
C.	Ignore it	exposure to the worker or others, either at the time, or subsequently.	
D.	Seek guidance immediately		
QUES	STION 5.3		
Whi	ch of the following statements about asbestos is TRUE?		
A.	Asbestos is not really a hazard to health	Right Answer: C	
B.	White asbestos is safe to use	All forms of asbestos can cause fatal diseases.	
C.	All asbestos can be a hazard to health		
D.	Only brown and blue asbestos are a hazard to health		
QUES	TION 5.4		
Whi	le working you discover material you think could be asbest	tos. What should you do?	
A.	Clear any dust and fragments, put them in a bin then carry on working	Right Answer: C It is essential to stop work if asbestos is found or	
B.	Inform the site nurse	suspected, and await competent advice on what	
C.	Stop working immediately and report your suspicions to your supervisor	to do next.	
D.	Dampen the material to prevent further dust being created, then carry on working		
QUES	STION 5.5		
Car	you tell by the smell of a product whether it is likely to cau	ise harm?	
Α.	No	Right Answer: A	
B.	Only within an enclosed space	Many harmful substances have no smell.	
C.	Yes		
D.	Only if you have been trained		
QUES	STION 5.6		
Hov	v would you recognise a hazardous substance?		
A.	By a symbol on the container	Right Answer: A	
B.	By its smell	A supplier of a packaged hazardous substance must	
C.	The colour of the label on the container	include a label on the packaging incorporating one or more hazard symbols alerting users to the dangers	
D.	It will be in a suitable container	posed by the chemical.	



QUE	QUESTION 5.7			
Wh	ich of the following does NOT cause skin problems?			
A.	Bitumens	Right Answer: C		
B.	Solvents	Asbestos is potentially very harmful if inhaled, but does		
C.	Asbestos	not affect the skin significantly.		
D.	Epoxy resins			
QUE	STION 5.8			
	en an assessment of hazardous substances has been of asures should be explained to:	carried out under the COSHH Regulations, the risks and control		
A.	The operatives using the substance	Right Answer: A		
B.	All employees on site	All those working with the hazardous substances		
C.	The accounts department	in question need to know about any risks.		
D.	The person in charge of the stores			
QUE	STION 5.9			
If yo	our hands are very dirty, what should you use to get the	em clean?		
A.	White Spirit	Right Answer: C		
B.	Paraffin	The other substances can remove natural oils from		
C.	Soap and water	the skin.		
D.	Thinners			
QUE	STION 5.10			
	e presence of rats on site creates a risk of catching Wei t you can take to discourage the presence of rats?	I's disease. What is the EASIEST PRACTICAL MEASURE		
A.	Avoid leaving scraps of food lying about	Right Answer: A		
B.	Lay traps containing rat poison	The easiest solution is to avoid leaving food around,		
C.	Contact the local Environmental Health Officer	since this is what attracts vermin.		
D.	Bring a large cat on site			
QUE	STION 5.11			
Wh	y is personal hygiene so important?			
A.	So you don't smell	Right Answer: C		
B.	Because the COSHH regulations require it			
C.	To protect your own and others' health			
D.	To stop you catching something nasty			
QUES	STION 5.12			
If you have been handling lead, how is it most likely to get into your blood stream?				
A.	By not wearing safety goggles	Right Answer: D		
B.	By not reporting the matter to the HSE	The route into the body is ingestion, normally from lead contamination on the hands.		
C.	By not using the correct safety footwear	read contamination on the halfus.		



l Ql	JESTIO	IN 5.1	ŀ

The number of toilets provided on site depends on:

A.	The type of work being completed	Right Answer: D
B.	The ratio of male and female workers on site	Guidance on the provision of welfare facilities is given in HSE publication 'Health and Safety in Construction'.
C.	The duration of the work on site	
D.	The number of personnel on site	

QUESTION 5.14

Which of the following is not required to be provided under the Construction (Design and Management) Regulations?

A.	Toilet facilities	Right Answer: C
B.	Washing facilities	Guidance on the provision of welfare facilities as
C.	Hot food	required by COM is given in HSE publication 'Health and Safety in Construction'.
D.	Drinking water	•

QUESTION 5.15

The extended use of powered hand-held tools and equipment may lead to which medical condition?

A.	Vibration white finger	Right Answer: A
B.	Weil's disease	Hand-arm vibration can cause a range of conditions
C.	Asbestosis	(including vibration white finger) collectively known as hand-arm vibration syndrome, as well as diseases such
D.	Dermatitis	as carpal tunnel syndrome.

QUESTION 5.16

What must your employer do if the daily personal noise exposure is at or exceeds 85 db(A)?

A.	Provide hearing protection to those employees who ask for it	Right Answer: B This is an interim measure under the Control of Noise at
B.	Issue hearing protection to those exposed and ensure that it is worn	Work Regulations 2005 when the daily personal noise exposure is at or exceeds the upper exposure action
C.	Tell employees to buy their own hearing protection	value of 85 dB(A). Exposure should subsequently be reduced by implementing organizational or technical
D.	Report it to the Health and Safety Executive	measures.

QUESTION 5.17

What are the lower and upper action values with regard to daily personal noise exposure, as defined in the Control of Noise at Work Regulations 2005?

A.	85 dB(A) and 90 dB(A)	Right Answer: B
B.	80 dB(A) and 85 dB(A)	Daily personal noise exposure is the average noise level
C.	70 dB(A) and 80 dB(A)	experienced by an individual over an 8 hour period.
D.	75 dB(A) and 85dB(A)	

QUESTION 5.18

At or above what level of daily personal noise exposure does an employer have to provide hearing protection if it is requested by an employee?

A.	90 dB(A)	Right Answer: C
B.	95 dB(A)	This is one of the duties of employers under the
C.	80 dB(A)	Control of Noise at Work Regulations 2005 when the lower exposure action value of 80 dB(A) is reached
D.	85 dB(A)	or exceeded.



QUESTION 5.19				
The effects of damage to your hearing by long-term exposure to high noise levels:				
Α.	Can be corrected by an operation	Right Answer: B		
В.	Are permanent	Hearing damage due to long-term noise exposure		
C.	Will be reduced when you change jobs	is irreversible.		
D.	Can be reversed to near normal with time			
QUES	STION 5.20			
	aring protection should be worn:			
A.	In designated areas	Right Answer: A		
B.	In noisy internal areas only	Employees must wear hearing protectors when exposed		
C.	At any workplace	at or above the upper exposure action values and within hearing protection zones.		
D.	Only on building sites	meaning protection zones.		
QUES	STION 5.21			
Wea	aring suitable hearing protection:			
A.	Stops you hearing distracting conversations	Right Answer: C		
B.	Stops you hearing all noise	Hearing protection still allows some noise to reach the		
C.	Brings noise down to an acceptable level	ear, but, if it has been correctly chosen, will reduce noise levels to an acceptable level.		
D.	Repairs damaged hearing			
QUES	STION 5.22			
Wh	ich of the following is one of the recommended means of p	rotecting your hearing?		
A.	Rolled tissue paper	Right Answer: D		
B.	Cotton wool pads	The others are not considered to be suitable types		
C.	Soft cloth pads	of hearing protection.		
D.	Ear defenders			
QUES	STION 5.23			
Wh	ich of the following would NOT reduce the risks from hand-	arm vibration when using a hammer action tool?		
A.	Selecting the lowest vibration tool that is suitable	Right Answer: D		
_	and which can do the work efficiently	Where tools require constant or frequent use, rotas will avoid individuals having long exposure to vibration. The		
В.	Wearing gloves to keep the hands warm	use of low-vibration tools and keeping the hands warm		
C.	Working as a team to share the work out	in cold conditions will also reduce the risks.		
D.	Making sure one person does all the work with the tool			
	ich of the following animals can carry Weil's disease?			
A.	Snake	Right Answer: C		
В.	Sheep	Weil's disease is a serious and sometimes fatal infection		
С.	Rat	that can be transmitted to humans by contact with		
D.	Pig	infected rats. Another form of Leptospirosis infection can be transmitted from cattle to humans.		
	<u> </u>			



D.

Skin cancer

QUES	QUESTION 5.25				
You are most likely to catch Weil's disease (Leptospirosis) if you:					
A.	Work near wet ground, waterways or sewers	Right Answer: A			
B.	Work near air conditioning units	Anyone who is exposed to rat urine is at risk, particularly			
C.	Fix showers or baths	sewer workers and farmers. Those in contact with canal or river water are also at risk.			
D.	Drink water from a standpipe				
QUESTION 5.26					
What should you do if the toilets on your site are continually dirty?					
A.	Ignore the problem – its normal on a construction site	Right Answer: B			
B.	Make sure you tell someone who can sort it out	How often welfare facilities on site require cleaning will depend on the number of people on site and how quickly they get dirty. The person in control of the site should make sure someone is responsible for keeping the facilities clean and tidy.			
C.	Find some cleaning materials and clean it up yourself				
D.	Ask in a nearby cafe or pub if you can use their toilets				
QUESTION 5.27					
Excessive sunlight on bare skin can cause which serious health problem?					
A.	Dermatitis	Right Answer: D			
B.	Rickets	Ultraviolet rays in sunlight can cause sunburn and premature ageing of the skin. The most serious effect, however, is an increased chance of developing			
C.	Acne				

skin cancer.



FIRE AND EMERGENCY

QUESTION 6.1				
An emergency route(s) must be provided on construction sites to ensure:				
A.	Safe passage to the open air	Right Answer: C		
B.	Safe passage to the rest area			
C.	Safe passage to a secure place of safety			
D.	Safe passage to the ground from height			
QUESTION 6.2				
Wh	at action should you take if you discover a fire?			
A.	Leave it because you will get the blame	Right Answer: B		
B.	Raise the alarm	Raising the alarm will reduce the risk to others, particularly if the fire spreads.		
C.	Carry on working if it is safe to do so	particularly if the me opticade.		
D.	Extinguish the fire without raising the alarm			
QUESTION 6.3				
If there had been a small fire, who should you report it to?				
A.	Your supervisor	Right Answer: A		
B.	The main contractor's site agent	The supervisor should be aware, so that further preventative measures can be considered.		
C.	The site's fire marshal	preventative measures can be considered.		
D.	The resident site engineer			
QUE	STION 6.4			
If yo	ou discover a fire at work, what should you do first:			
A.	Telephone 999	Right Answer: D		
B.	Use a fire extinguisher to put it out	Raising the alarm will reduce the risk to others, particularly if the fire spreads.		
C.	Run around looking for an alarm to sound	particularly if the fire spreads.		
D.	Raise the alarm and warn fellow workers			
QUE	STION 6.5			
Wh	at is a fire assembly point?			
A.	The place to go when the fire alarm sounds	Right Answer: A		
B.	A place where the fire brigade goes to	It is essential that people go to a place of safety, where supervisors or fire marshals know where they are, in the event of a fire.		
C.	A place where fire extinguishers are kept			
D.	The place where the fire alarm is			
QUESTION 6.6				
Where would you go in the event of a fire?				
A.	To the canteen for a cup of tea	Right Answer: B		
B.	To the fire assembly point	It is essential that people go to a place of safety, where supervisors or fire marshals know where they are, in the event of a fire.		
C.	To the site hut			
D.	To the fire to see what is going on			



QUE	STION 6.7	
Wh	at should you do if you hear the fire alarm?	
Α.	Ignore it because it might be someone playing around	Right Answer: C
В.	Leave work for the day	It is essential that people go to a place of safety, where supervisors or fire marshals know where they are, in the event of a fire.
C.	Evacuate the premises to a designated place of safety	
D.	Go towards the sound to find out what is going on	
QUE	STION 6.8	
Allı	new fire extinguishers are coloured red or of bright self-colou	red metal. How do you know the difference between types
A.	A different colour panel or band is on the body of the extinguishers	Right Answer: A Different coloured bands show extinguisher types e.g. black for CO2 and blue for dry powder.
B.	During site induction, you will be told where the different types of extinguishers are	
C.	The weight and shape of the extinguisher	
D.	The type of extinguisher is written on a sign next to it	
QUE	STION 6.9	
Αb	lack-labelled fire extinguisher contains:	
A.	Dry powder	Right Answer: D
B.	Water	
C.	Foam	
D.	Carbon dioxide	
QUE	STION 6.10	
Wh	at is a blue-labelled fire extinguisher filled with?	
A.	Water	Right Answer: C
B.	Foam	
C.	Dry powder	
D.	Carbon dioxide	
QUE	STION 6.11	
Wh	ich fire extinguisher should not be used on flammable liquid fi	ires?
Α.	Carbon dioxide	Right Answer: C
B.	Powder	Flammable liquids spread if attacked by water extinguishers.
C.	Water	
D.	Foam	
QUE	STION 6.12	
Wh	at colour is a water filled fire extinguisher, or its label?	
Α.	Black	Right Answer: C
B.	Cream	
C.	Red	
D.	Green	



QUES	STION 6.13	
Wh	en discharging carbon dioxide fire extinguishers, the noz	zle:
Α.	Becomes warm	Right Answer: C
B.	Becomes very hot	The expansion of CO2 gas coming out of the nozzle
C.	Becomes very cold	causes rapid cooling.
D.	Doesn't change temperature	
QUE	STION 6.14	
For	fires involving spilled petrol, which types of fire extinguis	sher could you use?
Α.	Water, carbon dioxide or foam	Right Answer: C
B.	Water, foam or dry powder	Flammable liquids, such as petrol, spread if attacked
C.	Foam, carbon dioxide or dry powder	by water extinguishers.
D.	Water, carbon dioxide or dry powder	
QUE	STION 6.15	
Wh	ich types of fire extinguishers should be used on electric	cal fires?
A.	Foam and water	Right Answer: B
B.	Carbon dioxide and dry powder	Liquids should not be used, since they may
C.	Dry powder and foam	conduct electricity.
D.	Water and carbon dioxide	
QUE	STION 6.16	
A re	ed-labelled fire extinguisher should NOT be used:	
A.	On wood fires	Right Answer: B
B.	Where there is a risk of electrocution	Red denotes water. Liquids should not be used on
C.	On burning clothes	electrical fires, since they can conduct electricity.
D.	On burning furniture	
QUE	STION 6.17	
Αw	orkmate burns their hand on a piece of very hot metal. W	/hat should you do first?
A.	Rub some cream or Vaseline into the burn	Right Answer: D
B.	Cover the burn with something dry	Burns need immediate and sustained cooling.
C.	Warn other people about the piece of hot metal	
D.	Put their hand in cold water if it is available	
QUE	STION 6.18	
Wh	ich of the following items should not be in a first aid box?	
A.	Safety pins	Right Answer: B
B.	Pain killers	Drugs must not be kept in a first aid box (Health
C.	Disposable gloves	and Safety guidance note INDG 214).
D.	Triangular bandages	



QUE	STION 6.19			
Hov	w often should a first-aider qualified in First Aid at Work (FAW) or Emergency First Aid at Work (EFAW) receive retraining?		
Α.	Every six months	Right Answer: C		
B.	Every two years	First Aid at Work (FAW) and Emergency First Aid at Work (EFAW) certificates are valid for three years and		
C.	Every three years	first-aiders are required to undertake retraining at the end of this period. However, the HSE also strongly recommends that first-aiders undertake annual		
D.	Every four years	(half-day) refresher training.		
QUE	STION 6.20			
If yo	ou came across an injury on site, what is the first thing you sh	nould do?		
A.	Tell the casualty to visit their doctor	Right Answer: C		
B.	Inform the HSE	Competent first-aid treatment is essential, and should		
C.	Contact a first-aider	be summoned immediately.		
D.	Try and find out what happened			
QUE	STION 6.21			
An	employee has a fall and is obviously unconscious. What is the	e FIRST thing you should do?		
A.	Send someone for the first-aider	Right Answer: A		
B.	Find out if there were any witnesses	Competent first-aid treatment is essential, and should		
C.	Try to protect them from any further injury	be summoned immediately.		
D.	Put them in the recovery position			
QUE	STION 6.22			
A la	abourer gets an electric shock; looks a bit pale but says they	are alright. What should you do?		
A.	Send someone for the first-aider	Right Answer: A		
B.	Tell them to report it to their supervisor	Competent first-aid treatment is essential, and should		
C.	Go and check the electrics so it cannot happen again	be summoned immediately.		
D.	See if they want a drink or a cigarette			
QUE	STION 6.23			
Wh	ich of the following must an employer consider when making	provisions for first aid?		
A.	How much working space will be wasted	Right Answer: D		
B.	How much will it cost	Employers must match first-aid provision to the nature of risks at work.		
C.	Whether the local ambulance service can be used	OFFISAS AL WORK.		
D.	The likely types of injury			
QUE	QUESTION 6.24			
In a	n on-site emergency, which of the following must a first-aide	r NOT do?		
A.	Treat an unconscious patient	Right Answer: D		
B.	Control bleeding	First-aid is concerned with preserving life and		
C.	Give resuscitation	limb, and first-aiders are not trained to dispense medical treatments.		
D.	Give medicines to patients without authorisation			



QUESTION 6.25					
If someone has fallen over and has stopped breathing, what is the first thing you should do?					
A.	Send for help	Right Answer: A			
B.	Attend to any broken bones	Do not delay in sending for help; then try to start the			
C.	Try to give the casualty a drink	casualty breathing.			
D.	Try to start the casualty breathing				
QUE	STION 6.26				
If so	omeone has fallen off a ladder and they say their leg is broke	en, what should you do?			
A.	Send for the first-aider	Right Answer: A			
B.	Help them to the cabin or mess hut	Competent first-aid treatment is essential, and should			
C.	Move the ladder so no-one trips over it	be summoned immediately.			
D.	Bandage their legs together				
QUE	STION 6.27				
You	r workmate suddenly gets a foreign body in the eye. What sh	nould you do?			
A.	Take your workmate to the supervisor	Right Answer: D			
B.	Use a clean handkerchief to try and remove it	Competent first-aid treatment is essential, and should			
C.	Wash your hands before touching your mate's face	be summoned immediately.			
D.	Send someone for the first-aider				
QUE	STION 6.28				
Ар	erson nearly collapses complaining of stomach pains. What	should you do?			
A.	Send someone for the first-aider	Right Answer: A			
B.	Go and find them something to drink	Competent first-aid treatment is essential, and should be summoned immediately.			
C.	Help them to find somewhere comfortable to sit	be summoned immediately.			
D.	Ask them if they want something to eat				
QUE	STION 6.29				
Aw	orkmate lifting a big box suddenly shouts 'oh, my back' and o	drops the box. What should you do?			
A.	Tell them to leave it for someone else to lift	Right Answer: B			
B.	Send for the first-aider	The priority for any back injury is to obtain first-aid advice, in order to prevent further damage.			
C.	Help them to lift the box	advice, in order to prevent further damage.			
D.	Find them somewhere comfortable to sit and rest				
QUE	STION 6.30				
Wh	at should you do immediately if you get a small cut on a finge	er whilst at work?			
A.	Carry on working	Right Answer: B			
B.	Get first-aid	It is important to obtain first-aid to prevent further harm (e.g. through infection). It should also be recorded in the			
C.	Ask your employer to report it to the HSE	accident book (BI 510).			
D.	Just wash it clean				



QUES	QUESTION 6.31				
In a	In an emergency situation at work you should do what?				
A.	Phone the HSE Inspectorate	Right Answer: B			
B.	Obey the site emergency procedure	A site emergency plan should have been drawn up and			
C.	Ensure your work mates are all accounted for	you should be familiar with the emergency procedure.			
D.	Leave the site immediately				
QUES	STION 6.32				
Wh	at does the sound of a siren on-site normally indicate?				
A.	A fire	Right Answer: D			
B.	A toxic escape				
C.	An explosion				
D.	An emergency				
QUES	STION 6.33				
The	purpose of fire-stopping in a building is to:				
A.	Prevent a fire starting	Right Answer: B			
B.	Delay the passage of fire and smoke through openings in walls and floors	Fire-stopping is a passive fire protection measure used to seal any openings created in a fire resistance-rated			
C.	Activate fire sprinklers	wall or floor assembly, e.g. to allow pipes or wiring systems to pass through. During fire conditions this			
D.	Set off the fire alarm	will impede the spread of fire and smoke.			
QUES	STION 6.34				
Wh	at are fire-stops designed to do?				
A.	Extinguish a fire	Right Answer: D			
B.	Protect services (such as wiring systems) against fire damage	Fire-stops are designed to maintain the fireproofing of a wall or floor assembly. Fire-stopping delays the spread			
C.	Close fire doors automatically	of fire and, generally, the spread of smoke as well.			
D.	Delay the passage of fire and smoke through openings in walls and floors				
QUES	STION 6.35				
In addition to preserving fire separation between areas of a building, which other important fire safety function can fire-stopping achieve?		ing, which other important fire safety function can			
A.	Preventing premature structural collapse	Right Answer: A During a fire it is essential that the load-bearing capacity			
B.	Reducing nuisance fire alarms	of elements of the building structure are maintained until occupants have escaped. Timber studs, joists or			
C.	Reducing noise transmission	I' beams, for example, may only have a short survival time if exposed to fire and may rely on linings, such as a plasterboard ceiling, for fire-resistance. Services passing			
D.	Saving energy	through such linings should therefore be fire-stopped.			



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Intumescent materials used to provide fire-stopping are designed to:

A.	Expand when subjected to smoke
B.	Shrink when subjected to heat
C.	Expand when subjected to heat
D.	Prevent noise transmission

Right Answer: C

A limited number of fire-resistant materials may be used to provide fire-stopping. These include intumescent products, which are designed to expand and provide fire-stopping when subjected to heat. Examples include intumescent 'pillows'.

QUESTION 6.37

What should you do if you disturb fire-stopping around a wiring system penetrating a wall or floor whilst carrying out work?

A.	Nail a piece of wood over any gaps	
B. Ensure that the fire-stopping is reinstated to the necessary standard as soon as possible		
C.	Highlight this on any certification	
D.	Fill any holes or gaps with squashed newspaper	

Right Answer: B

It is essential that the integrity of fire compartments is maintained during the construction of buildings and on their completion. Compromising compartmentation, such as failing to adequately fire-stop (seal) openings for services to pass through, can undermine fire precautions catastrophically. Only a limited range of products are suitable and they must be correctly applied to provide the required degree of fire-stopping.

QUESTION 6.38

If you discover a hole or gap in a fire rated wall or floor that has not been fire-stopped, what should you do?

A.	Report it to your supervisor without delay
B.	Ignore it unless it is causing a draught
C.	Cover the hole or gap with insulating tape
D.	Use decorators' sealant to fill the gap

Right Answer: A

Supervisors need to be made aware of any observed inadequacies in fire-stopping - which can undermine fire precautions catastrophically during the construction of buildings and on their completion. Only a limited range of products are suitable and they must be correctly applied to provide the required degree of fire-stopping.

QUESTION 6.39

Which one of the following is associated with a Higher Risk Building (HRBs) in England?

A.	At least 18 metres in height or seven storeys
B.	At least 15 metres in height or seven storeys
C.	At least 15 metres in height or six storeys
D.	At least 18 metres in height or six storeys

Right Answer: A

At least 18 meters in height or seven storeys is the height at which the Building Safety Regulator regime will apply in England.

QUESTION 6.40

For a holistic approach to fire safety - to plan for all aspects of fire safety - the three main areas that need to be considered are design, construction and...

A.	Occupation	Right Answer: C	
B.	Fire stopping	Design, construction and maintenance are the main	
C.	Maintenance	aspects to be considered as part of a holistic view to fire safety covering all elements to cover all aspects.	
D.	Demolition	-	



QUES	QUESTION 6.41				
Whi	ch of the following materials provide the least effective fire r	resistance?			
A.	Brick	Right Answer: C			
B.	Concrete	Timber or wood has a low ignition point and can be			
C.	Timber	highly flammable, generally considered to have poor fire resistance.			
D.	Steel	ille resistance.			
QUES	STION 6.42				
Wh	en man-made substances, such as rubber, burn, the colour o	of the smoke is typically:			
A.	White	Right Answer: B			
B.	Black	The black colour of smoke from burning man-made substances, including rubber, is primarily due to			
C.	Grey	incomplete combustion of carbon-based materials, and soot particles suspended in the air making the			
D.	Yellow	smoke appear black.			
QUES	STION 6.43				
Whi	ch one of the following is a benefit of a 'stay put' strategy fo	r fire evacuation in high risk buildings?			
A.	It slows the fire fighters' response to a fire	Right Answer: C			
B.	It reduces communication between occupants and emergency services	A 'stay-put' strategy is designed to prevent injury, reduce panic, and reduce smoke inhalation which			
C.	You reduce the risk of entering a smoky corridor and being overcome by smoke	could cause injury or fatalities.			
D.	It allows lifts to be used more effectively				
QUES	QUESTION 6.44				
Whi	ch one of the following is not a requirement of a protected e	escape route?			
A.	Leads to a safe place	Right Answer: C			
B.	Protection from smoke	Although emergency lighting systems are mandated			
C.	Infra-red lights	to provide adequate illumination in escape routes, this does not include infra-red lights specifically.			
D.	Protection from fire				
QUES	STION 6.45				
Whi	ch one of the following is not an area of competence?				
A.	Skills	Right Answer: B			
B.	Resilience	Competence is broadly defined as the skills, knowledge, experience, and behaviours of an individual.			
C.	Knowledge	experience, and behaviours of all individual.			
D.	Behaviours				
QUES	QUESTION 6.46				
Wha	at is a key consideration for individuals to ensure safety at w	ork?			
A.	Pushing personal limits to complete a job at any cost	Right Answer: C			
B.	Having a go at jobs without proper training	Competence includes the recognition and awareness of the limitations of your own competence, and not			
C.	Recognising the limitations of competence and not exceeding your own limitations	undertaking jobs or tasks for which you haven't received proper training as this will lead to unsafe and potentially			
D.	Ignoring boundaries to complete a job in the quickest manner possible	dangerous practices.			



QUES	QUESTION 6.47			
Wh	Which one of the following is a consequence of poor workmanship?			
A.	Improved fire safety	Right Answer: C		
B.	A good reputation	A lack of competence and poor workmanship can lead		
C.	Increase in hazard and servicing	to increased servicing and maintenance requirements, and increased hazards as a result.		
D.	Increased structural stability			
QUES	QUESTION 6.48			
Wh	at is CROSS-UK?			
A.	A branch of the British Red Cross for Construction Workers	Right Answer: C CROSS-UK is Collaborative Reporting for Safer		
B.	An online forum for workers to complain about their employers	Structures UK – a confidential reporting system which allows professionals working in the built environment		
C.	A confidential reporting system to report on fire and structural safety issues	to report on fire or structural safety issues.		
D.	A charity that supplies work equipment to apprentices			



WORK AT HEIGHT

QUE	QUESTION 7.1				
Мо	Most deaths on site are caused by:				
A.	Vehicle movements	Right Answer: B			
B.	Falling from height	Although the other dangers can kill or cause injury,			
C.	Solvent inhalation	falling from height is the bigger cause of fatalities.			
D.	Chemical burns				
QUE	STION 7.2				
The	e type of accident that kills most construction site workers	is:			
A.	Being hit by falling objects	Right Answer: B			
B.	Falling from heights	Although the other dangers can kill or cause injury,			
C.	Trench collapses	falling from height is the biggest cause of fatalities.			
D.	Electrical accident				
QUE	STION 7.3				
The	e main cause of deaths on construction sites is				
A.	Fire	Right Answer: B			
B.	Falls from height				
C.	Being run over by plant				
D.	Excavation collapse				
QUE	STION 7.4				
Но	w many people should be working on a ladder at one time?				
A.	One on each section of an extension ladder	Right Answer: B			
B.	One	Only one person should be working on a ladder, although another person may be footing it, for			
C.	Two	extra stability.			
D.	Three if it is long enough				
QUE	STION 7.5				
Lac	lders should be set at a slope of approximately:				
A.	1 out for every 3 up	Right Answer: D			
B.	4 out for every 1 up				
C.	1 out for every 1 up				
D.	1 out for every 4 up				
	STION 7.6				
Wh	y should aluminium ladders be kept away from wet lime or o				
A.	It will stain your clothes	Right Answer: C			
B.	The ladder may become statically charged	Aluminium can corrode in certain situations, notably if in prolonged contact with lime or cement.			
C.	It may corrode the ladder				
D.	It will stain the aluminium				



QUE	STION 7.7				
Bef	Before being used, a ladder should be inspected:				
A.	By the foreman	Right Answer: B			
B.	By the user	The user needs to be satisfied that the ladder is in			
C.	By the manufacturer	a safe condition before using it.			
D.	By the Safety Officer				
QUE	STION 7.8				
Lac	lders should be:				
A.	In good condition	Right Answer: C			
B.	Tied or footed	All the measures listed are required to reduce the			
C.	Tied or footed AND at the right angle AND in good condition	risk of falls.			
D.	At the right angle				
QUE	STION 7.9				
A la	adder giving access to a scaffold can generally be safely use	ed, provided that:			
A.	The foot of the ladder is firmly wedged	Right Answer: D			
B.	It does not move when you climb up it	Access ladders should extend at least 1 metre above the landing point to provide a safe handhold.			
C.	Any broken rungs are clearly marked	the landing point to provide a safe handhold.			
D.	It is tied and extends at least 1 metre above the platform				
QUE	STION 7.10				
Wh	at is the ideal angle for a ladder against a wall and floor?				
A.	One metre up for every metre out from the wall	Right Answer: D			
B.	One metre up for every two metres out from the wall	The correct angle for a ladder is 75 degrees, which can be judged using the angle indicator marked on			
C.	Two metres up for every metre out from the wall	the stiles of some ladders or using the 1 in 4 rule.			
D.	Four metres up for every metre out from the wall				
QUE	STION 7.11				
The	e rung of a wooden ladder has started to split, what should y	vou do?			
A.	Do not use it, tell your supervisor	Right Answer: A			
B.	Cut the bad bit out	It is essential that supervisors are aware of faulty or damaged equipment.			
C.	Tape it up	or damaged equipment.			
D.	Jump on it to see if it holds your weight				
QUE	STION 7.12				
Lac	dders should not be painted because:				
A.	Regular repainting will be necessary	Right Answer: D			
B.	The paint will make them slippery to use				
C.	The paint may not be suitable on metal parts of the ladder				
D.	The paint may cover a defect or damaged part of the ladder				



QUESTION 7.13				
When can you work from a ladder?				
A.	For short periods and then only if it is safe to do so	Right Answer: A		
B.	When it is long enough	Ladders are primarily means of access, not workplaces.		
C.	When it is available	They can be worked from, but only if the use of other, more suitable, work equipment is not appropriate and		
D.	When not being used for access	the task is of low risk and of short duration.		
QUES	TION 7.14			
Wh	en working above public areas, what should be considered?			
A.	Preventing complaints from the public	Right Answer: B		
B.	The danger of falling materials	There is a significant risk to the public from falling		
C.	Keeping the job going	materials, if this is not considered before and during work.		
D.	Keeping the areas open to the public			
QUES	TION 7.15			
A so	caffold tower must be erected by:			
A.	A trained and competent person	Right Answer: A		
B.	The hire company who supply it	There are a number of organizations that provide		
C.	The site foreman	training for the safe erection and use of scaffold towers.		
D.	Senior site staff			
QUES	QUESTION 7.16			
Wh	at is the minimum height of the top guard-rail of a scaffold al	bove the edge from which someone is liable to fall?		
A.	470mm	Right Answer: C		
B.	910mm	This is a requirement of the Work at Height		
C.	950mm	Regulations 2005.		
D.	2 metres			
QUES	CTION 7.17			
	A working platform used for construction work, and from which a person could fall 2 metres or more, must not be used unless it has been inspected (and a report is subsequently prepared) by a competent person:			
A.	Only after an accident	Right Answer: C Under these specific circumstances a report is required		
B.	That day	to be prepared by the competent person and given to the person for whom the inspection was done (e.g. the site manager). This is in addition to the more general		
C.	Within the previous seven days	requirement to inspect equipment for work at height: prior to use in that position (or site if it is mobile);		
D.	Within the previous month	following exceptional circumstances (e.g. high winds); and at suitable intervals.		



D. A nearby pipe or scaffold

QUESTION 7.18			
On a mobile elevating work platform, what should you attach your safety harness to?			
A.	A secure anchorage point inside the platform	Right Answer: A	
B.	A strong part of the structure you are working on	The priority is to stay within the platform (which is the	
C.	The boom of the machine	safest place) and in any event you cannot be sure of the strength of other fixtures.	
		g and a second s	

QUESTION 7.19

You have been asked to operate a cherry-picker (mobile elevated work platform) when it is very windy. What should your FIRST consideration be?

A.	Wear a safety harness and clip it to the structure that you are working on	Right Answer: B The priority in safety is eliminating risk at source – in this
B.	Does the wind-speed make it unsafe to use the machine	case by not working in dangerous conditions – rather
C.	Wear an extra layer of clothing to keep warm	than trying to stay safe by using protective equipment.
D.	Tie all light-weight objects to the hand-rails of the basket	

QUESTION 7.20

If you have to work at height and it is not possible to erect a scaffold, or use any other type of working platform or mobile elevating work platform, then you should:

A.	Work without fall protection, provided you have a mate with you	Right Answer: B The harness will greatly reduce the likelihood of injury
B.	Wear a harness and lanyard at all times	if you fall.
C.	Work without fall protection, provided the weather is not too windy	
D.	Work without fall protection at all times when no one else is about	

QUESTION 7.21

When working on a roof that has fragile, clear-plastic panels, what is the best way of preventing falls through the panels?

A.	Make sure that everyone is told where the panels are and to avoid treading on them	Right Answer: B Protection from falling through openings and fragile
B.	Cover the fragile panels with a strong material and secure the covers to stop them being dislodged	roof lights can be provided by barriers or with covers which can be secured or labelled with a warning.
C.	Remove the panels carefully to leave an open space.	
D.	It shouldn't be necessary to do anything, everyone knows the dangers	

QUESTION 7.22

When working on a roof that has fragile, clear-plastic panels, what is the best way of preventing falls through the panels?

A.	It is safe to walk on the purlins	Right Answer: D
B.	Walk straight across the roof to where you need to get to	Fragile roofs must be made safe to work on, before
C.	As long as you avoid any fragile areas it is safe	work commences.
D.	Crawling boards should always be used	



QUE	STION 7.23	
Hal	f the deaths on construction sites are caused by which one	of the following?
A.	Falls from heights	Right Answer: A
B.	Electrical misuse	This is shown by HSE statistics.
C.	Working in trenches/confined spaces	
D.	Misuse of plant and machinery	
QUE	STION 7.24	
Wh	at should you do if your work activity requires you to wear a	full body safety harness and one is not available?
A.	Make a harness from items found on site	Right Answer: D
B.	Carry on working and hope that everything will be alright	Always advise the supervisor if you do not have the
C.	Borrow a harness from a colleague	correct PPE.
D.	Stop work immediately and tell your supervisor that you do not have the correct PPE	
QUES	STION 7.25	
Und	der what circumstances do the Work at Height Regulations ;	permit a stepladder to be used on site?
A.	Never – stepladders are banned	Right Answer: D
B.	At any time	The WAH Regulations have not banned the
C.	Provided you can't fall 2 metres or more	use of ladders or stepladders, but they should be used sensibly.
D.	Only when a risk assessment shows that safer alternatives have been ruled out and the task is of low risk and of short duration	be used sensibly.
QUES	STION 7.26	
Wh	at is the best method of securing a ladder?	
A.	Tying it to a suitable point	Right Answer: A
B.	Using an effective ladder stability device	Tying the ladder is the safest option, making sure
C.	Wedging the ladder (e.g. against a wall)	both stiles are tied.
D.	Having the ladder footed	
QUES	STION 7.27	
Of t	the following, which is the POOREST method of securing a la	adder?
A.	Securing the base of the ladder	Right Answer: C
B.	Tying the ladder	Footing a ladder is the last resort and should be
C.	Having someone foot the ladder	avoided. Other more suitable access equipment should be used where practicable.
D.	Using a ladder stability device	Silouid be used where practicable.
QUES	STION 7.28	
	or to moving a mobile tower scaffold, the platform height she	ould reduced to a maximum of:
Α.	2 metres	Right Answer: C
В.	3 metres	This figure is quoted in guidance published by the HSE
C.	4 metres	and PASMA. Checks should also be made that there are no obstructions overhead, the ground is firm, level and free from potholes, it is not too windy and there are no
D.	5 metres	people or materials on the tower.



WORK EQUIPMENT

QUE	STION 8.1		
	at do the letters SWL stand for?		
Α.	Safe working level	Right Answer: D	
В.	Satisfactory weight limit	Machinery and accessories for lifting loads should	
C.	Satisfactory working limit	be clearly marked to indicate their safe working loads.	
D.	Safe working load		
QUE	STION 8.2		
Wh	o should operate plant and equipment on site?		
Α.	Only people over 18 years of age	Right Answer: B	
B.	Trained and authorised employees only	Never operate plant or equipment unless you have	
C.	An employee holding a full driving licence	been trained and are authorised to do so.	
D.	Any experienced employee		
QUE	STION 8.3		
Wh	at hazard is created when the head of a cold chisel mushroo	ms?	
A.	Reduced striking area	Right Answer: C	
B.	Softens the impact	This question is looking for the hazard, which	
C.	Flying steel splinters	is the situation that can cause harm to people.	
D.	Damage to the hammer head		
QUE	STION 8.4		
Any	y damaged equipment must be:		
A.	Reported to your supervisor	Right Answer: A	
B.	Thrown away immediately	It is essential that supervisors are aware of faulty	
C.	Labelled as damaged before use	or damaged equipment.	
D.	Locked up so no one can use it		
QUE	STION 8.5		
The	e electric drill you are about to use has a faulty on/off switch.	What action should you take?	
A.	Try and fix the fault	Right Answer: C	
B.	Find another machine and carry on working	It is essential that supervisors are aware of faulty	
C.	Remove it from use and tell your supervisor	or damaged equipment.	
D.	Tape the switch on to keep it running and carry on working		
QUE	STION 8.6		
The	e power hand tool you are about to use has burn marks visibl	e on the cable. What should you do?	
A.	Tape over the affected area and continue	Right Answer: B	
B.	Tell your supervisor about the defect and do not use the tool	It is essential that supervisors are aware of faulty or damaged equipment.	
C.	Obtain another machine and carry on, but don't tell anyone		
D.	Carry on and get the job done		



FSTI	

Your supervisor asks you to use a powered hand-tool which has a rotating blade. You notice that the guard is missing from the blade. What do you do?

A.	Use the tool anyway, you haven't had an accident with it before
B.	Remove it from use and tell your supervisor
C.	Try to make an improvised guard yourself
D.	Contact the manufacturer of the tool

Right Answer: B

It is essential that supervisors are aware of faulty or damaged equipment.

QUESTION 8.8

Hand and power tools must be:

A.	The best that you can buy
B.	Made available when needed
C.	In the company's colours
D.	Suitable for the task and regularly inspected

Right Answer: D

Tools must not create a risk to the user or others. This means they must be suitable and kept in good condition. This requires inspection before use.

QUESTION 8.9

When should visual checks of portable hand-held equipment be made by the user?

A.	When a replacement is needed
B.	Monthly
C.	Weekly
D.	Each time it is used

Right Answer: D

The user needs to be satisfied that the tool has no obvious defect before use.

QUESTION 8.10

What precaution should you take before adjusting an electrical tool?

A.	Check the lead is not twisted or knotted
B.	Wear safety footwear with steel toe caps
C.	Disconnect from the power source
D.	Wear the correct personal protective equipment

Right Answer: C

Do not adjust tools which could still be live or operate.

QUESTION 8.11

An electric drill is to be used. Before use, who should carry out a check on the tool?

A.	Storeman
B.	Electrician
C.	Foreman
D.	User

Right Answer: D

The user needs to be satisfied that the tool has no obvious defect before use.

QUESTION 8.12

What action should you take if an electric drill cuts out while you are using it?

A.	Shake it about a bit	Right Answer: D
B.	Put it back into the tool box	The drill may be faulty. If so, tell your supervisor and
C.	Switch the power off and on	remove the drill from service.
D.	Remove it from use and tell your supervisor	



QUESTION 8.13				
If an electric drill gives off blue smoke from the motor, you should:				
A.	Pour water over it	Right Answer: C		
B.	Use a CO ² extinguisher	Defective electric hand tools must not be used.		
C.	Switch it off and report it	Stop what you are doing and inform your supervisor.		
D. Stop work for 30 minutes				
QUES	STION 8.14			
Hov	v often should user (visual) checks be carried out on portab	le electrical equipment?		
A.	Every time you use it	Right Answer: A		
B.	Every day	All items of portable electrical equipment should be		
C.	Once a week	visually checked for safety by the user before being put into use.		
D.	At least once a year			
QUES	STION 8.15			
Wh	at is the preferred nominal voltage for portable hand lamps	for general use on construction sites?		
A.	110 volts	Right Answer: A		
B.	150 volts	110 volt reduced low voltage systems are strongly		
C.	230 volts	preferred for the supply to such equipment.		
D.	400 volts			
QUES	STION 8.16			
Wh	at is the preferred nominal voltage for portable hand tools o	on construction sites?		
A.	12 volts	Right Answer: C		
B.	24 volts	110 volt reduced low voltage systems are strongly		
C.	110 volts	preferred for the supply to such equipment.		
D.	230 volts			
QUES	STION 8.17			
Wh	at is the preferred nominal voltage for local lighting up to 2 k	kW on construction sites?		
A.	55 volts	Right Answer: B		
B.	110 volts	110 volt reduced low voltage systems are strongly		
C.	400 volts	preferred for the supply to such equipment.		
D.	230 volts			
QUESTION 8.18				
What is the recommended maximum voltage for portable hand lamps when working in confined or damp locations?				
A.	50 volts	Right Answer: A		
B.	110 volts	Where the environment is damp, or restricting and conductive, the magnitude of any electric shock will		
C.	230 volts	be higher than under normal conditions. Hand lamps in such locations should therefore be supplied from a SELV (separated extra-low voltage) system, i.e. having		
D.	400 volts	a maximum voltage of 50 volts and which is electrically separated from earth.		



IFSTI	 ш	шм

If you only have a mains voltage (230 V) hand drill and you want to use it on a construction site which only has yellow (110 V) socket-outlets, what should you do?

A.	Use a transformer to boost the voltage	Right Answer: C
B.	Cut the plug off and fit a yellow one instead	Electrical equipment must not be modified or operated
C.	Obtain a 110 V drill or a cordless one for the work	at voltages other than their design voltage.
D.	Make up an extension cable with a yellow plug on one end and a standard socket on the other end	

QUESTION 8.20

What is most commonly used to reduce 230 volts to 110 volts on site?

A.	Residual current device	Right Answer: B
B.	Transformer	A transformer, usually coloured yellow, will transform
C.	Circuit breaker	230 volts (mains voltage) down to a relatively safe 110 volts.
D.	Step-down generator	

QUESTION 8.21

When using an extension cable reel, which of the following statements is correct?

A.	Leave as much as possible coiled up on the reel	Right Answer: C
B.	Uncoil it fully every time	The rating of a partially unreeled extension cable is
C.	Do not exceed the reeled or unreeled rating as appropriate	much lower than when fully unreeled. Overheating of the cable will occur if the rating is exceeded. Care should also be taken to prevent extension cables
D.	Only uncoil what you need	becoming a tripping hazard.

QUESTION 8.22

If an extension cable is to be run across a site road, what action should you take?

A.	Throw wooden boards over it	Right Answer: B
B.	Place a rubber protection ramp over it and put up a sign stating 'Ramp Ahead'	It is essential that the cable is protected from damage caused by passing traffic. A sign will warn road traffic
C.	Don't do anything to protect the cable	of the ramp.
D.	Lay the cable over wooden boards	

QUESTION 8.23

To operate a powered hand tool you must be:

A.	16 years old or over	Right Answer: D
B.	18 years old or over	There are no general age restrictions in legislation
C.	21 years old or over	relating to the use of work equipment. Any person using work equipment. however, must be competent to do so,
D.	Trained and competent	which will require initial and refresher training.

QUESTION 8.24

If you are about to use a power tool and discover the guard is missing, you should:

A.	Make up a temporary guard yourself	Right Answer: C
B.	Use the tool but try to work quickly	Visual checks should be carried out before
C.	Not use the tool until a proper guard has been fitted	using equipment. Any faults should be reported immediately and rectified before use.
D.	Use the tool but work carefully and slowly	



SPECIAL SITE HAZARDS

QUES	STION 9.1	
Wh	y may a confined space be dangerous to work in?	
A.	There may not be sufficient working space	Right Answer: D
B.	Air in the space may be unbreathable due to poisonous gas	There can be a range of hazards associated with
C.	Temperature and poor ventilation may affect the worker	confined spaces, and these can include all of those mentioned.
D.	All of the hazards mentioned	
QUES	STION 9.2	
Wha	at must be considered first when planning to carry out work	in a confined space?
A.	Has the job been priced properly	Right Answer: D
B.	Have the correct tools been arranged	Working outside will remove the risks of working
C.	Has sufficient manpower been allocated	in the confined space.
D.	Can the work be done from the outside	
QUES	STION 9.3	
Wh	en working in a confined space, such as a sewer, what dange	er may occur?
A.	Getting wet through	Right Answer: D
B.	Boredom	Sewer gases can be inflammable and suffocating.
C.	Not enough time for the job to be done	
D.	Build-up of harmful gases	
QUES	STION 9.4	
To c	determine the safety of the atmosphere in an excavation, wh	nich of the following is essential.
A.	Sniffing the atmosphere after entry	Right Answer: B
B.	Using a gas detector	Use a suitable detector. Many dangerous gases have no smell and cannot be seen. Workers can be overcome
C.	Only entering for a short period to enable a quick escape	in seconds in dangerous atmospheres.
D.	Looking for toxic gases	
QUES	STION 9.5	
Bef	ore entering an excavation to start work, it must first be:	
A.	Inspected by a competent person	Right Answer: A
B.	Covered over and left overnight	Excavation work is hazardous. A competent person,
C.	Filled with water then drained	knowledgeable about how to reduce risks, notably from collapse of the walls, must inspect the excavation first.
D.	Inspected by the HSE	
QUES	STION 9.6	
Wha	at is the purpose of using a 'permit to work' system?	
A.	To ensure the job is carried out by the quickest method	Right Answer: B
B.	To help ensure a safe system of work	A permit to work is a written system used to control
C.	To ensure that the client will pay for the work	certain types of hazardous work. They allow work to start only when site procedures have been clarified.
D.	To enable tools and equipment to be properly checked before the commencement of work	



Why may young people be more at risk on site?

A.	There is no specific legislation applying to them
B.	They are usually left to work alone to gain experience
C.	There is no requirement to provide PPE to young people

They are inexperienced and may not recognise danger

Right Answer: D

Health and Safety guidance lists young people as often being 'at particular risk', due to their lack of practical experience.

QUESTION 9.8

You have to enter a manhole in which you know there are toxic gases. You have all the PPE but there does not appear to be a rescue plan in place. What should you do?

A.	Just get on and do the job, it will probably be alright
B.	Plan to carry out the job in short bursts
C.	Do not enter the manhole until a rescue plan and rescue equipment are in place
_	Ask your mate to stand-by at the top of the manhole

Right Answer: C

A rescue plan must be in place before anyone enters a confined space. This is one of the requirements of the Confined Spaces Regulations 1997.

QUESTION 9.9

with a length of rope

You have to enter a manhole in which you believe there could be toxic gases. You have not been provided with any Respiratory Protective Equipment (RPE). What should you do?

A.	Tell your supervisor that you will need RPE, and if necessary, training in confined space working
B.	Sniff the atmosphere in the manhole to see if you can smell harmful gases
C.	Look into the manhole to see if you can see any harmful gases
D.	Just get on with the job, and accept the risks

Right Answer: A

An employer must provide all necessary personal protective equipment and respiratory protective equipment when an employee is required to enter a confined space. This is one of the requirements of the Confined Spaces Regulations 1997.

QUESTION 9.10

While digging a trench, you uncover a length of yellow marker tape at a depth of about 150mm. What does the presence of the marker tape mean?

A.	The area has a high water-table and precautions must be taken to prevent an in-rush of water
B.	There is a buried electrical cable and further excavation must be carried out with care
C.	There is contaminated soil below the level of the marker tape and all excavation must stop
D.	The excavation has reached a depth where the sides must now be supported

Right Answer: B

The coloured tape indicates that there are buried services below the route of the tape.

QUESTION 9.11

A Cable Avoidance Tool (C.A.T.) and a 'Genny' (generator) can be used successfully to locate underground cables by whom:

A.	Anyone	Right Answer: B
B.	A competent person after training	Equipment used to locate buried services must only
C.	Any electricity company employee	be used by people who have been trained to use it.
D.	The site foreman	



D.

At any time

QUES	STION 9.12			
Who	When exposing underground power cables, which method of excavation should you use?			
A.	A 360 degree excavator with rubber tyres	Right Answer: C		
B.	A pickaxe	Hand-held power tools and mechanical excavators		
C.	Hand digging	should not be used too close to underground services and hand digging should be carried out with care.		
D.	A kango hammer	35 5		
QUES	STION 9.13			
Who	en do special precautions need to be taken when working ne	ar overhead electric power lines?		
A.	Only if cranes etc. are being used	Right Answer: D		
B.	Only if someone could touch a line with their bare hands	Actual contact with a power line is not necessary to		
C.	Only if plant has to pass under the lines	result in an electric shock as a close approach may allow 'flashover' to occur. HSE publication GS6 gives advice		
D.	Whenever work areas will be near or beneath the lines	on procedures to avoid such danger.		
QUES	STION 9.14			
Who	en working alone:			
A.	Make sure someone responsible knows where you are	Right Answer: A		
B.	You can do away with protective equipment	Employees should adhere to safe working arrangements		
C.	Don't bother anyone if you have a problem, always sort it out yourself	put in place by their employer. When working alone, such arrangements should include informing a responsible person of your location periodically.		
D.	Wear headphones, it will make the day go more quickly			
QUES	STION 9.15			
You	have to walk across a site several times a day, but have to do	dge a lot of site traffic. The first thing you should do is:		
A.	Have word with the drivers	Right Answer: C		
B.	Walk around the edges of the site to keep out of the way	Pedestrian routes should have been set up to keep		
C.	Tell your supervisor about the danger	people and vehicles apart, so inform your employer if the system is not working. Don't hitch rides on vehicles		
D.	Jump on the back of a vehicle if you can, it's safer than walking	unless safe seating is provided.		
QUES	QUESTION 9.16			
A mobile plant operator can let you ride in the machine:				
A.	If you have a long way to go	Right Answer: C		
B.	If it is raining	Don't hitch rides on vehicles unless safe seating		
C.	If it is designed to carry passengers	is provided.		



ELECTROTECHNICAL

OHE	PTION 10 1	
	STION 10.1	
	ccordance with the Electricity at Work regulations, when con	
۹.	Carry out a risk assessment	Right Answer: A
3.	Only work dead	To identify and assess the risks involved and the methods of controlling them.
C.	Only work live	
D.	Do as the client demands	
	STION 10.2	
	e normal procedure for working on electrical equipment sho	<u>-</u>
Α.	Dead working	Right Answer: A
B.	Wearing insulated gloves	Dead working should be considered as the norm and work on or near live conductors should rarely
C.	Using insulated tools	be permitted.
D.	Live working	
QUES	STION 10.3	
Tes	t instruments used for working on electrical systems should	d:
Α.	Be yellow in colour	Right Answer: D
B.	Be less than 10 years old	To protect the user from electric shock whilst using the instrument. i.e. handling the probes.
C.	Have non-insulated test probes	the instrument, i.e. handling the probes.
D.	Have insulated test probes	
QUES	STION 10.4	
Unc	der the Electricity at Work Regulations, live working is consi	dered:
A.	As entirely acceptable	Right Answer: C
B.	To be normally permitted	Extra controls must be employed, including training,
C.	Only to be allowed in exceptional circumstances	supervision and use of suitable tools and protective equipment.
D.	Never to be allowed	
QUES	STION 10.5	
\//h		
VVII	ich of the following would you use to replace the fuse in a pl	lug if fuses were NOT available?
	ich of the following would you use to replace the fuse in a pl	lug if fuses were NOT available? Right Answer: D
A.		Right Answer: D A fuse is often the main safety device in an electrical
A. B.	A nail	Right Answer: D A fuse is often the main safety device in an electrical circuit. A blown fuse must only be replaced by a fuse
A. B. C.	A nail A piece of silver paper	Right Answer: D A fuse is often the main safety device in an electrical
A. B. C. D.	A nail A piece of silver paper A bit of wire	Right Answer: D A fuse is often the main safety device in an electrical circuit. A blown fuse must only be replaced by a fuse
A. B. C. D.	A nail A piece of silver paper A bit of wire None of the options listed	Right Answer: D A fuse is often the main safety device in an electrical circuit. A blown fuse must only be replaced by a fuse of the correct type and rating.
A. B. C. D. To p	A nail A piece of silver paper A bit of wire None of the options listed	Right Answer: D A fuse is often the main safety device in an electrical circuit. A blown fuse must only be replaced by a fuse of the correct type and rating.
A. B. C. D. To p	A nail A piece of silver paper A bit of wire None of the options listed STION 10.6 prove a circuit or equipment is dead after isolation what is the	Right Answer: D A fuse is often the main safety device in an electrical circuit. A blown fuse must only be replaced by a fuse of the correct type and rating. The FIRST activity in the sequence of events?
A. B. C. D.	A nail A piece of silver paper A bit of wire None of the options listed STION 10.6 prove a circuit or equipment is dead after isolation what is the Make sure equipment is not working	Right Answer: D A fuse is often the main safety device in an electrical circuit. A blown fuse must only be replaced by a fuse of the correct type and rating. The FIRST activity in the sequence of events? Right Answer: C



QUE	STION 10.7	
The	e nominal single phase voltage in the UK is?	
A.	230 volts	Right Answer: A
B.	240 volts	This is the nominal voltage for public electricity supply
C.	415 volts	systems within Europe.
D.	400 volts	
QUES	STION 10.8	
Wh	en is live working permissible?	
A.	When the person carrying out the work is a competent person	Right Answer: B This is a requirement under r.14 of the EAW Regulations.
B.	When it is unreasonable in all circumstances for the equipment to be made dead and suitable precautions are taken	However, it does not mean that live working is then 'safe'.
C.	When the means of isolation cannot be identified	
D.	When the person working on the equipment is wearing rubber gloves	
QUES	STION 10.9	
Wh	ich of the following is NOT a requirement of low voltage safe	isolation practice?
A.	Ensuring that the correct point of isolation is identified	Right Answer: B
B.	The person carrying out the work is issued with insulating gloves	Safe isolation practice refers to dead working. The use of insulating gloves will generally only be applicable to
C.	A caution notice should be applied at the point of isolation	live working.
D.	The conductors are proved to be dead at the point of work	
QUE	STION 10.10	
The	e specific effects on the human body of a major electric sho	ck are one of the following:
A.	Dermatitis	Right Answer: B
B.	Burns and cardiac arrest	
C.	Broken bones	
D.	Chest pains	
QUE	STION 10.11	
The	e lowest level of electrical current which can harm the humar	n body is normally measured in:
A.	Microamps	Right Answer: D
B.	Kiloamps	Research has shown that a person is in serious danger of a fatal electric shock at. or above,
C.	Amps	approximately 30 milliamps.
D.	Milliamps	



QUESTION 10.12

With regard to the effect of electrical current on the human body, one of the following is correct:

	A.	A 6 amp circuit breaker should prevent a person receiving a fatal electric shock
	B.	A 3 amp fuse should prevent a person receiving a fatal electric shock
	C.	A 30 mA Residual Current Device (RCD) should prevent a person receiving a fatal electric shock
	D	A 5 amp rewireable fuse should prevent a person

receiving a fatal electric shock

Right Answer: C

An RCD is a mechanical switching device intended to cause the opening of the contacts when the residual current attains a given value under specified conditions.

QUESTION 10.13

Where mains voltage is used to supply portable equipment on a construction site, what additional protection is required?

A.	Step-down transformer	Right Answer: D
B.	Step-down generator	Reduced low voltage systems (e.g. 110 volt centre point earthed) are strongly preferred in such circumstances.
C.	Cable avoidance tool	Where only mains voltage (230 V) equipment is available, however, a 30 mA RCD will give additional
D.	Residual current device (RCD)	protection against fatal electric shock.

QUESTION 10.14

What colour cable USUALLY signifies 110 volt power supply on site?

A.	Black	Right Answer: D
B.	Red	Yellow is the usual colour of cables, socket outlets,
C.	Blue	plugs and transformers etc which are used with a 110 volt supply.
D.	Yellow	

QUESTION 10.15

A portable electric generator on site has two power outlets, 110 volts and 230 volts. What colour would the 110 volt outlet be?

A.	Black	Right Answer: B
B.	Yellow	Yellow is the usual colour of cables, socket outlets,
C.	Red	plugs and transformers etc which are used with a 110 volt supply.
D.	Blue	

QUESTION 10.16

Where there is no local means of isolation for equipment or circuits to be worked on, which of the following is the preferred method of isolation?

A.	Use a suitable device such as a circuit breaker	Right Answer: A
B.	Isolation of the individual circuit breaker or fuse	Isolating the whole installation or distribution board
C.	Pulling out the distributor's cut-out fuse	is the safest method.
D.	Disconnecting the individual circuit from the DB	

very unpleasant surprise. Always assume that cables



wellington boots

Electricity is only dangerous in wet weather

tell by looking at a cable whether or not it is live

Electricity is dangerous at any time because you cannot

C.

D.

QUE	STION 10.17	
Wh	at action should you take if a workmate gets an electric s	shock?
A.	Phone the electricity board immediately	Right Answer: C
B.	Dial 999 and ask for the fire brigade	If you can switch the power off, the electric hazard will be removed. First aid assistance will then probably be
C.	Cut off the power and call for help	required. Do not touch someone who is still in contact with live electrical cables as you could also receive an
D.	Try to pull them to safety	electric shock.
QUE	STION 10.18	
A re	esidual current device is designed to operate in the event	t of one of the following:
A.	Overload	Right Answer: B
B.	Earth fault	An RCD provides additional protection against the risk
C.	Lightning strike on the supply	of electric shock.
D.	Short-circuit	
QUE	STION 10.19	
Ele	ctrical installations on construction sites should be perio	dically inspected and tested:
A.	Every 3 months	Right Answer: A
B.	Every year	Three monthly inspections of construction site
C.	Every 6 months	installations are recommended in IET Guidance Note 3
D.	Every month	
QUE	STION 10.20	
The	e maximum AC voltage which the human body can withsta	nd without long term physiological effects in dry conditions is
A.	110 volts	Right Answer: C
B.	230 volts	Regarded as a non-fatal voltage level.
C.	50 volts	
D.	400 volts	
QUE	STION 10.21	
Wh	nich of the following statements is true with regard to the da	angers of electricity?
A.	Electricity is perfectly safe so long as you wear cotton gloves	Right Answer: D The features which make electricity so dangerous are
В.	Electricity is only dangerous if you are not wearing	that you cannot see, hear or smell it. It can give you a

are live.



QUESTION 10.22		
What is the most serious effect that electric shock can have if you come into contact with a live part?		
A.	The electric current can cause a slight tingling in the fingers	Right Answer: C Contact with live electrical parts can be fatal. If you
B.	The electric current can cause burn marks on the fingers	do not know otherwise, always assume that electrical
C.	The electric current can cause the heart to stop, resulting in death	parts are live.
D.	The electric current can cause the finger muscles to twitch	
QUES	STION 10.23	
You	r job involves you working near to hanging electrical cables w	hich have bare ends. What should you do?
A.	Touch the cables to see if they are live	Right Answer: C
B.	Carry on working, as there shouldn't be a problem	You must always assume that exposed cables are live
C.	Inform your supervisor and keep well away	until you know they are not. Contact with live electrical cables can kill.
D.	Attempt to push the cables back into the ceiling void so that you can start work	
QUES	STION 10.24	
For	all live working activities it is necessary to:	
A.	Carry out a risk assessment as required by the EAW Regulations.	Right Answer: A
B.	Wear rubber gloves only	
C.	Be accompanied	
D.	Keep your fingers crossed	
QUES	STION 10.25	
An e	electrical Permit to Work is primarily a statement that:	
A.	Someone else has taken responsibility for the work	Right Answer: D
B.	The circuit or equipment is live	Permits to work describe the procedures that prevent a
C.	Certain instructions need to be followed	major hazard, such as electricity or moving machinery, from causing harm, usually by isolation to effectively
D.	The circuit or equipment has been isolated and is safe to work on	ensure (in the case of electricity) 'dead' working with no chance of it going 'live' .
QUESTION 10.26		
The probes of voltage detectors and test instruments used on electrical systems should be:		
A.	Manufactured in the UK	Right Answer: C
B.	Accompanied by a calibration certificate	In addition, to protect against damage by overcurrent
C.	Shaped or have barriers to prevent finger contact with the tips	whilst in use, the probes or instrument should incorporate suitable high breaking capacity (hbc) fuses with a low current rating (usually not exceeding 500 mA).
D.	Coloured red	or current-limiting resistors.



QUES	QUESTION 10.27		
Whi	Which of the following does the Electricity at Work (EAW) regulations apply to?		
A.	All persons engaged for work purposes	Right Answer: A	
B.	Self employed persons only	The EAW Regulations impose duties on employers,	
C.	Employees only	employees and the self employed.	
D.	Employers only		
QUES	TION 10.28		
The	Electricity at Work Regulations require that:		
A.	Persons working with electricity must have the appropriate level of knowledge and experience	Right Answer: A Competency is a requirement of r.16 of the	
B.	A training course is necessary before anyone can work with electricity	EAW Regulations.	
C.	Only electricians can work with electricity		
D.	Anyone supervised can work with electricity		
QUES	STION 10.29		
The	Electricity at Work Regulations apply to:		
A.	Only low voltage systems	Right Answer: C	
B.	Only extra-low voltage systems	The EAW Regulations cover the safe use of electricity in work activities, irrespective of voltage.	
C.	All voltage systems	in work activities, irrespective or voltage.	
D.	Only high voltage systems		
QUES	STION 10.30		
Whi	ch of the following should be used to prove a circuit or equip	ment is dead after isolation?	
A.	A lamp holder with a length of flex attached	Right Answer: B	
B.	A proprietary test lamp or two-pole voltage detector	Accident history has shown that using incorrectly set multimeters or makeshift devices for voltage detection	
C.	A voltage stick	has often caused accidents. The use of non-contact voltage indicators (voltage sticks) is also not advised	
D.	A multimeter	as the sole means of proving dead.	
QUESTION 10.31			
Whi	ch of the following is NOT a suitable means of isolating a circ	suit?	
A.	Removing a fuse and locking the distribution board	Right Answer: B	
B.	Putting insulating tape over the circuit breaker	The isolating device should be switched off or the fuse removed. The switch, circuit breaker or enclosure	
C.	Padlocking the isolating switch	should then be locked and the key removed. A notice or label should also be posted to warn that someone	
D.	Fitting a padlocked circuit breaker lockout	is working on the circuit or apparatus.	



QUESTION 10.32

Which of the following work procedures on electrical systems will always require a permit-to-work to be issued?

A.	Dead working on low-voltage systems
B.	Live working on low-voltage systems
C.	Dead working on high-voltage systems
D.	Live working on high-voltage systems

Right Answer: C

An electrical permit-to-work should state what circuit or equipment has been made safe, how that has been achieved and what work is to be done. A permit should not, therefore, be used for live working. Such a permit is always required for work on high-voltage systems, but can also be used for low-voltage systems.

QUESTION 10.33

Optical fibre cable remnants should not be left lying around on site because:

A.	They can be hot and burn upon contact
B.	Laser beams still exist in the cut pieces
C.	They can pierce the skin or eyes
D.	They are toxic

Right Answer: C

Fibre fragments can enter the bloodstream and cause infections in the skin or eyes. All fibre waste, particularly small pieces, should be placed in suitable receptacles.

QUESTION 10.34

Why should the end of an optical fibre cable never be pointed towards your own or anyone else's eyes?

A.	The beam can transfer a strong electric current
B.	The colour of the beam is very hypnotic
C.	The beam can bore a hole through the skin
D.	The beam can damage the eyes

Right Answer: D

Exposure to light sources such as lasers or highly concentrated visible or infrared light beams, associated with the testing or use of optical fibres, can cause damage to the eyes, or even blindness.

QUESTION 10.35

The use of a multi-lock hasp with the appropriate number of padlocks is a recommended method of safe isolation where:

A.	Individual circuit breaker locking off devices are not available
B.	Individual circuit breakers are not identified at the distribution board
C.	More than one person will be working on circuits supplied from the same distribution board
D.	You know the health and safety inspector is in the area

Right Answer: C

A multi-lock hasp can be used to prevent operation of the isolator until such time that all persons working on the electrical installation have completed their work and removed their padlocks from the hasp.

QUESTION 10.36

Which of the following procedures should be used when more than one person will be working on circuits supplied from a distribution board which has been switched off?

A.	The use of a multi-lock hasp on the isolator with a padlock for each operative
B.	Blowing a horn before the power is switched on again
C.	Giving each operative a volt stick
D.	Telling everyone what time the power will be switched on again

Right Answer: A

A multi-lock hasp can be used to prevent operation of the isolator until such time that all persons working on the electrical installation have completed their work and removed their padlocks from the hasp.



ENVIRONMENTAL

QUESTION 11.1

You are on site and you need to dispose of some waste liquid which has oil in it and you are not sure what to do with it. What should you do?

A.	Dispose of it in a sealed container into the site skip
B.	Pour it onto the ground, it will soak away
C.	Take it outside and set light to it
D.	Ask your supervisor about the correct way to deal with this waste.

Right Answer: D

Dealing with hazardous/special waste will include proper storage and segregation before it is taken away by an authorised waste carrier as required by environmental legislation. An oil spillage could also get into the ground or drains, which may also be an offence under environmental law. Burning waste on site is also an offence, under air pollution legislation, and can lead to local complaints.

QUESTION 11.2

How should you get rid of hazardous/special waste?

A.	Put it at the bottom of any site skip
B.	In accordance with the correct site waste rules
C.	Take it home, they wont want it on site
D.	Take it to the nearest local authority waste tip

Right Answer: B

The Hazardous Waste Regulations (Special Waste Regulations in Scotland) require hazardous/special waste to be properly segregated or otherwise treated, and then recovered or disposed of in an officially approved way.

QUESTION 11.3

Which of the following is classed as hazardous/special waste?

A.	Non-asbestos Insulation
B.	Polythene and shrink wrap
C.	Empty cement bags
D.	Fluorescent light tubes

Right Answer: D

Hazardous wastes (special wastes in Scotland) are specified in waste legislation. Fluorescent tubes are included because of their mercury content.

QUESTION 11.4

Which of the following should be disposed of as hazardous/special waste?

A.	Timber, plywood and MDF off-cuts
B.	Glass fibre insulation
C.	Aerosol sealant canisters
D.	Used nuisance dust masks

Right Answer: C

Hazardous wastes (special wastes in Scotland) are specified in waste legislation. Aerosol sealants are included because they can explode if not recovered or disposed of properly, and they may still contain hazardous solvents.

QUESTION 11.5

You need to clean up some oil that has leaked from machinery onto the ground. What is the right way to do this?

A.	Put the oily contaminated soil into the general waste skip
B.	Put the oily contaminated soil into a suitable container that takes hazardous waste
C.	Put it under some off-cuts so that the oil cannot be seen
D	Wash the oil away with water and detergent

Right Answer: B

Oil-contaminated wastes are classified as hazardous/ special waste in waste legislation. The Hazardous Waste Regulations (Special Waste Regulations in Scotland) require such waste to be properly segregated or otherwise treated, and then recovered or disposed of in an approved way. Following the other options would be an offence under waste legislation.



QUESTION 11.6		
Oth	er site workers are complaining that you are generating too	much dust. What should you do?
A.	Tell them you have nearly finished	Right Answer: B
B.	Stop work and inform your supervisor	Excessive dust may be a health hazard to you and those around you, but even if it is not a health hazard, excessive dust can be a 'statutory nuisance (under
C.	Ignore them – it's none of their business	the Environmental Protection Act). Even when it is not a statutory nuisance, it can lead to complaints
D.	Issue the other site workers with dust masks	from neighbours and possible damage to neighbouring property.
QUES	STION 11.7	
Wh	o needs to understand relevant environmental risks on a co	nstruction site?
A.	Only the principal contractor	Right Answer: C
B.	Only the subcontractors	The actions of everyone on site determine how well
C.	Everyone working on the site	the risks to the environment (such as water pollution, or creating a local nuisance) are controlled.
D.	Only the environmental clerk of works	
QUES	STION 11.8	
Unc	der environmental law, which statement is true?	
A.	Companies and individuals can be prosecuted if they do not follow the law	Right Answer: A Most environmental law is enforced against companies,
B.	Companies can be prosecuted, but not individuals	but the regulator in the relevant part of the UK
C.	It is legal to transport business waste without proper paperwork	(the Environment Agency, SEPA or NIEA) can also prosecute company officers and even have powers to prosecute employees if they wilfully contribute
D.	It is legal to disturb protected species' habitats	to environmental harm.
QUES	STION 11.9	
Do	individuals have any responsibility for sustainability when or	n site?
A.	No, it is dealt with by the site manager	Right Answer: D
В.	No, it is a matter for the Environment Agency/NIEA/SEPA	Your responsibility is to follow the site and company rules aimed at environmental protection and
C.	Only on sites where there is asbestos	sustainability, and to help your company to comply with relevant legal requirements, such as the need to segregate waste properly (e.g. so that
D.	Yes, on every site	it can be recovered).
QUES	STION 11.10	
Which of the following is NOT best practice from a sustainability point of view?		
A.	Saving materials, fuel, water and energy	Right Answer: D
B.	Looking after the people working on or near the site	Option D would be wasting a valuable natural resource (copper) that could be effectively recovered for later
C.	Protecting the environment	use or recycling. Reusing or recycling copper has less environmental impact than mining and extracting new copper reserves.
D.	Sending unused and waste copper cables to landfill	



QUES	QUESTION 11.11		
Whi	ch of the following does NOT help sustainability during con	struction projects?	
A.	Leaving engines and motors running when they are not needed	Right Answer: A Option A generates local air pollution and carbon	
B.	Segregating waste	dioxide emissions (which contribute to global warming),	
C.	Vehicle sharing or using public transport to get to work	and also increases the noise nuisance.	
D.	Avoiding overheating site huts		
QUES	STION 11.12		
Whi	ch of the following should you do on site in the interest of s	ustainability?	
A.	Run plant and equipment when they are not needed	Right Answer: C	
B.	Bury waste material	Your actions will help your company, and others working	
C.	Comply with site instructions on handling waste materials	on site, to achieve more sustainable work practices, such as waste recovery.	
D.	Pour waste liquids down a drain off-site	,	
QUES	STION 11.13		
Which of the following is NOT part of 'environmentally-friendly' construction?			
A.	Creating a dust nuisance to residents in neighbouring properties	Right Answer: A Neighbours outside the site are an important part of the	
B.	Preventing water and soil pollution	wider environment. They may be affected by nuisance (such as noise, dust or even light at night), and they	
C.	Saving energy	may complain to the client, main contractor or the local enforcing authority. Creating certain types of nuisance	
D.	Minimising the amount of waste you create during a job	is an offence under the Environmental Protection Act.	
QUES	STION 11.14		
Froi	m an environmental point of view, why should materials be re	eused, where possible?	
A.	To save the client money	Right Answer: B	
B.	A lot of energy and raw materials go into making most construction products	Although reducing the amount of waste is the first priority, the re-use of materials can also contribute	
C.	It makes less mess on site	to effective waste management.	
D.	Its' a European Union Law		
QUES	TION 11.15		
Which action will help to minimise waste?			
A.	Only take or open what you need and return or reseal anything left over	Right Answer: A The hierarchy for managing waste is to reduce/reuse/	
B.	Use new materials/packs at the beginning of each day	recover. Reducing the amount of waste is therefore	
C.	Leave materials unprotected in the rain	the first priority.	
D.	Always order much more than usually required – just in case you need it		



QUES	QUESTION 11.16		
Whi	ch of the following is good environmental practice?		
A.	Over-ordering materials	Right Answer: B	
B.	Segregating waste into different types	This is good practice, since it will help with waste	
C.	Leaving skips uncovered in wet weather	recovery. If the waste is classified as hazardous waste (special waste in Scotland) proper segregation is also	
D.	Leaving motors running when they are not needed	a legal requirement.	
QUES	TION 11.17		
Doi	individuals have any responsibility for minimising the amour	nt of waste created on site?	
A.	Only if asbestos removal is being carried out	Right Answer: B	
B.	Yes, everyone on site has this responsibility	Your actions will help your company, and others on site, to	
C.	No, it's the responsibility of the client	procure sensibly and to organise the job so that materials and substances are not wasted. Waste reduction is the	
D.	Only during site clean-up, at the end of the project	best option when trying to manage site waste.	
QUESTION 11.18			
If you have unused material left, what should you do before you consider putting non-hazardous waste items into a skip?			
A.	Make sure there is a label on it	Right Answer: C	
B.	Put it in a plastic bag and put it in a skip	Although reducing the amount of waste is the first	
C.	Check whether someone else on your team can make use of it	priority, the reuse of waste materials is much better than disposal, which is the most expensive option and which should be the last resort. Reuse is a better waste	
D.	Weigh it	management option than recovery.	
QUES	STION 11.19		
Wh	y should different types of waste be separated on site?		
A.	It will take up less room in the skip	Right Answer: D	
B.	So the local council can charge Landfill Tax	This is good practice, since waste recovery can save both energy and materials, compared to creating brand new	
C.	So the main contractor can check what's being thrown away	materials or items. It will also cut the amount of waste that goes to landfill. If the waste is classed as hazardous (special waste in Scotland) then the effective separation	
D.	So waste can be recovered more easily	of different wastes is a legal requirement.	
QUESTION 11.20			
When storing liquids (such as oils, fuels or chemicals) on-site, what must you do?			
A.	Always use the nearest container	Right Answer: C	
B.	Use a transparent container so you can check how much liquid is in it	Any spillage could get into the ground or drains, which is likely to be an offence under environmental legislation.	
C.	Ensure the liquid material is stored safely and securely, and out of the way of site traffic		
D.	Keep the tops off, to prevent pressure from building up		



QUESTION 11.21		
What can help to prevent harm to the environment from oil spillages?		
A.	A supply of water to flush the spill away	Right Answer: D
B.	Cover the spillage with soil	The use of a bund (fully walled storage area) or a drip tray
C.	Turning liquid containers upside down so the top can't come off	will help any spillage to be contained in a small area for clear up. Any spillage could get into the ground or drains, which is likely to be an offence under environmental
D.	Store oils in an area that can catch any spills, such as a bund or a drip tray.	legislation.





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