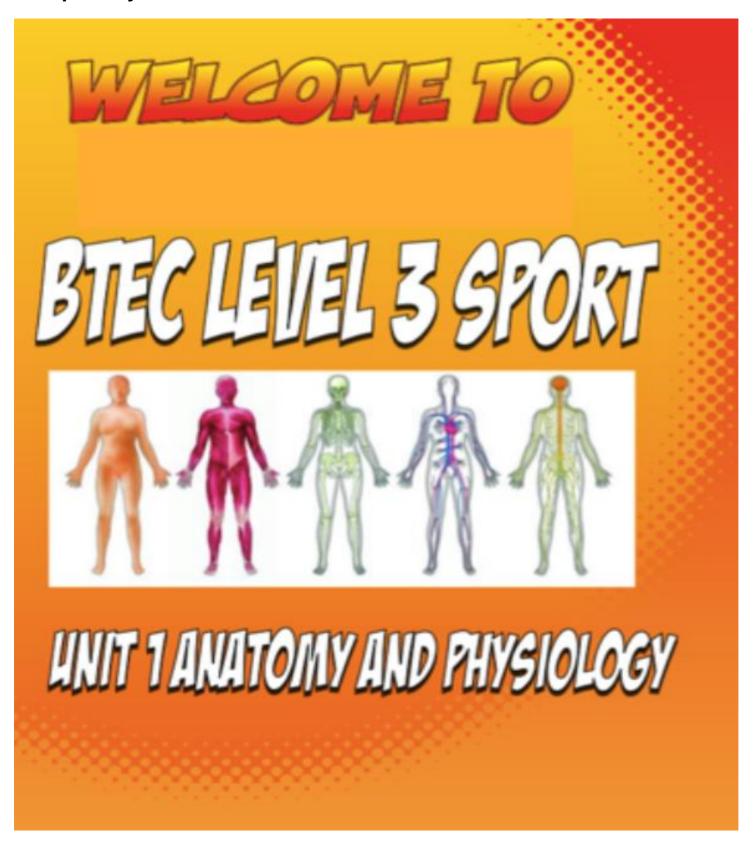
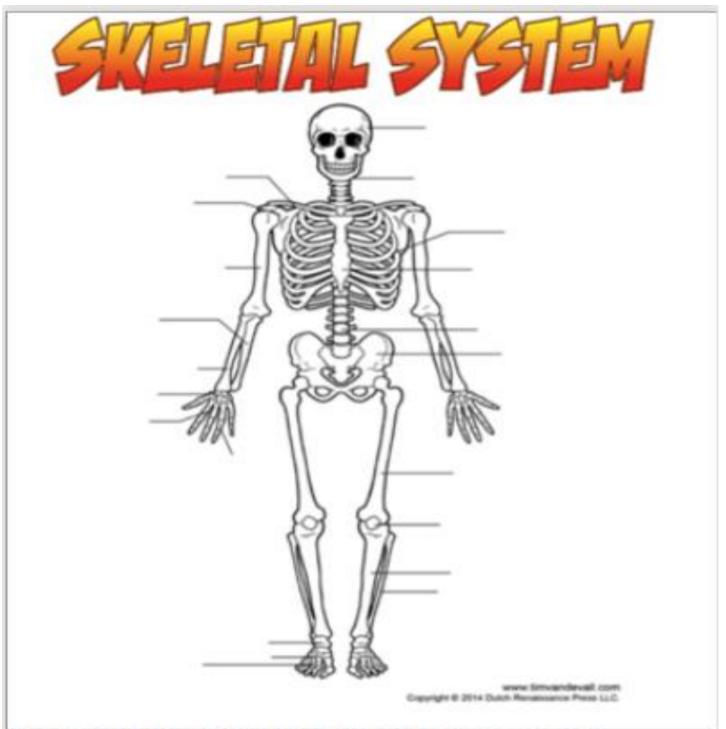


## **Compulsory Task 1**

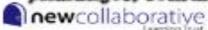




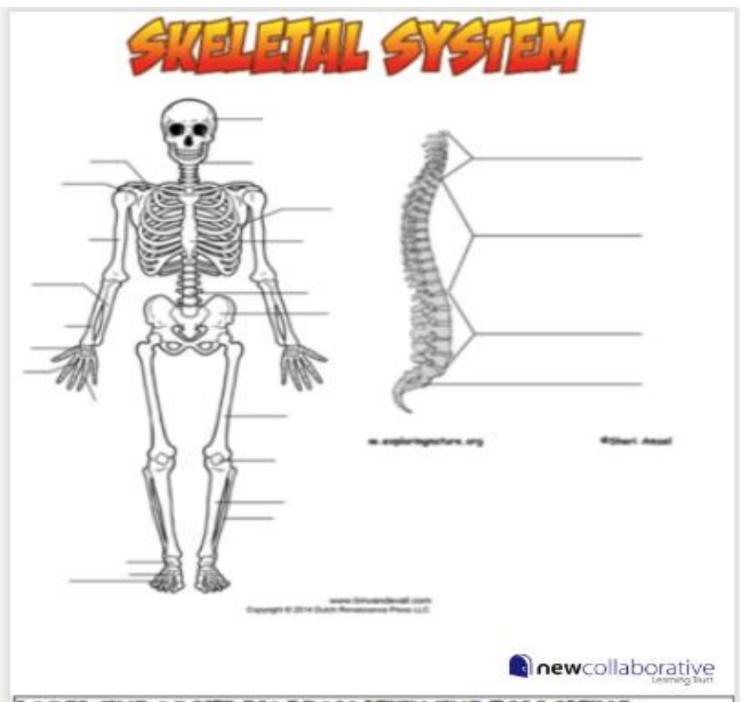


# LABEL THE ABOVE DIAGRAM WITH THE FOLLOWING COMPONENTS:

 cranium, clavicle, ribs, sternum, humerus, radius, ulna, scapula, ilium, pubis, ischium, carpals, metacarpals, phalanges, femur, patella, tibia, fibula, tarsals, metatarsals,







# LABEL THE ABOVE DIAGRAM WITH THE FOLLOWING COMPONENTS:

- Identify and colour in the Axial and Appendicular Skeleton.
- Identify at least 1 example of each bone type; long bones,
   short bones, flat bones, irregular bones, sesamoid bones

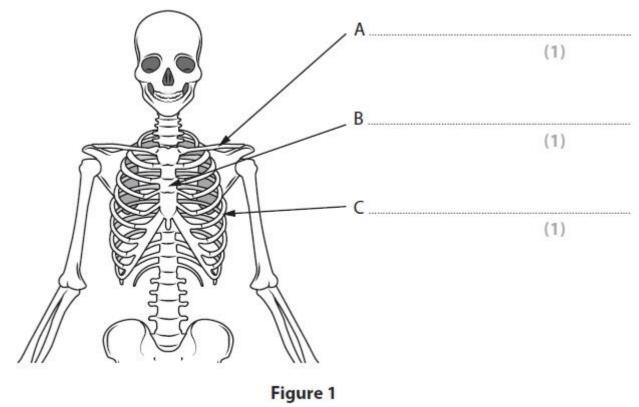


## **Questions**

Q1.

Figure 1 shows the bones of the upper body.

Identify the bones labelled A-C.



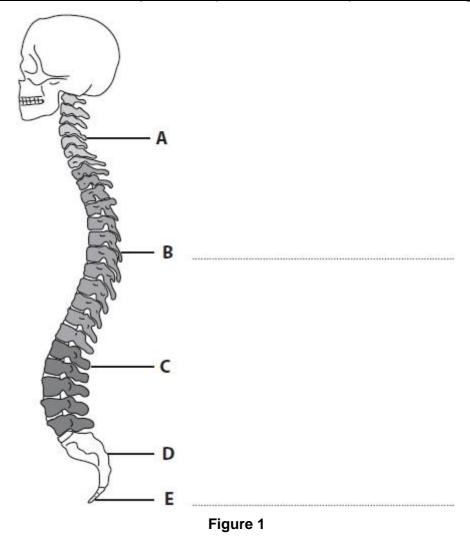
(Total for question = 3 marks)

Q2.

**Figure 1** shows the regions of the vertebral column.

Identify the regions labelled B and E.



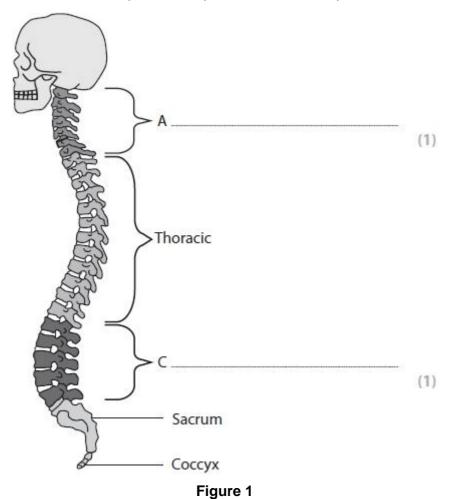


(Total for question = 2 marks)

Q3.

**Figure 1** shows the regions of the vertebral column. Identify the regions labelled **A and C**.





(Total for question = 2 marks)





Identify and describe the 3 different types of muscle found within the body.

## LABEL THE DIAGRAM ABOVE WITH THE FOLLOWING MUSCLES:

biceps, triceps, deltoids, pectoralis major, rectus abdominis, rectus femoris, vastus lateralis, vastus medialis, vastus intermedius, semimembranosus, semitendinosus, biceps femoris, gastrocnemius, soleus, tibialis anterior, erector spinae, teres major, trapezius, latissimus dorsi, obliques, gluteus maximus



#### Q4.

**Figure 2** shows the posterior view of the skeletal muscles of the body. Identify the muscles labelled **A and B**.

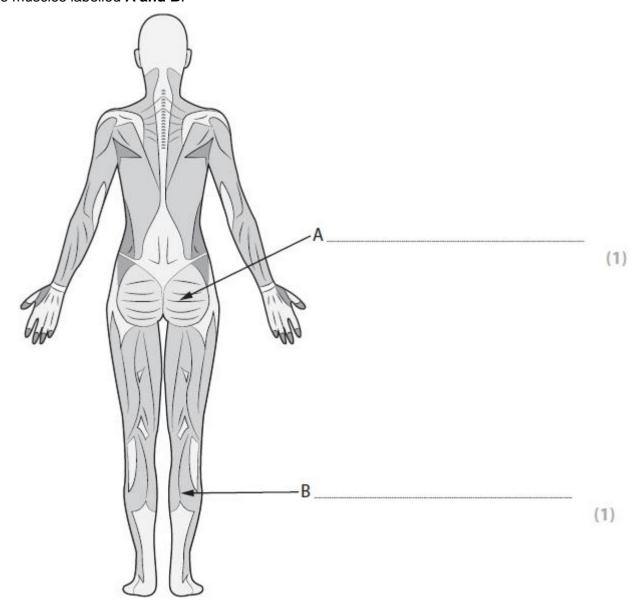


Figure 2

(Total for question = 2 marks)



#### Q5.

Figure 2 shows the muscles in the lower leg. Identify the muscles labelled A–C in Figure 2.

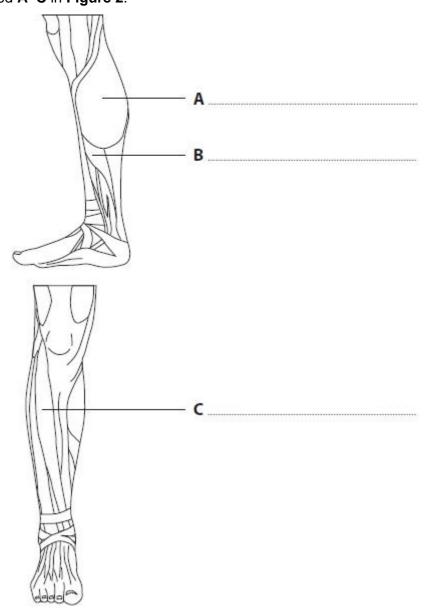


Figure 2

(Total for question = 3 marks)



#### Q6.

Figure 2 shows the muscles in the upper body.

Identify the muscles labelled A-C.

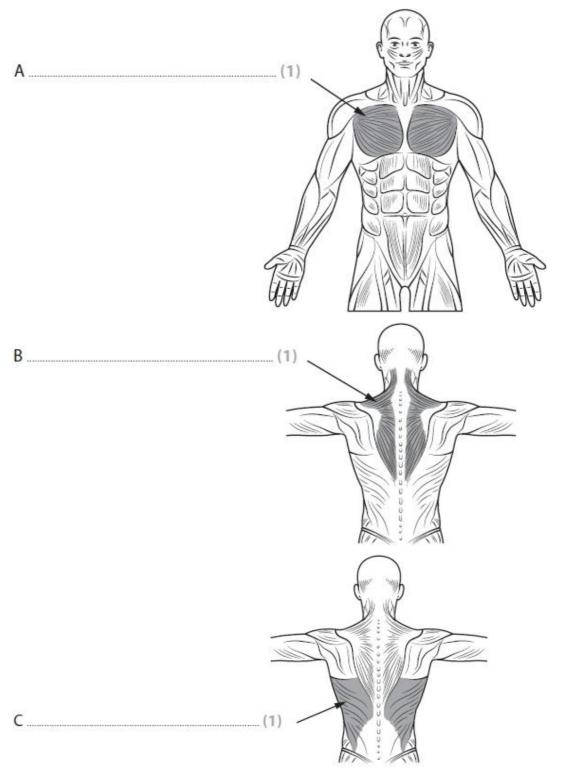


Figure 2



#### Q7.

Figure 3 shows an athlete jumping over a hurdle.



Figure 3

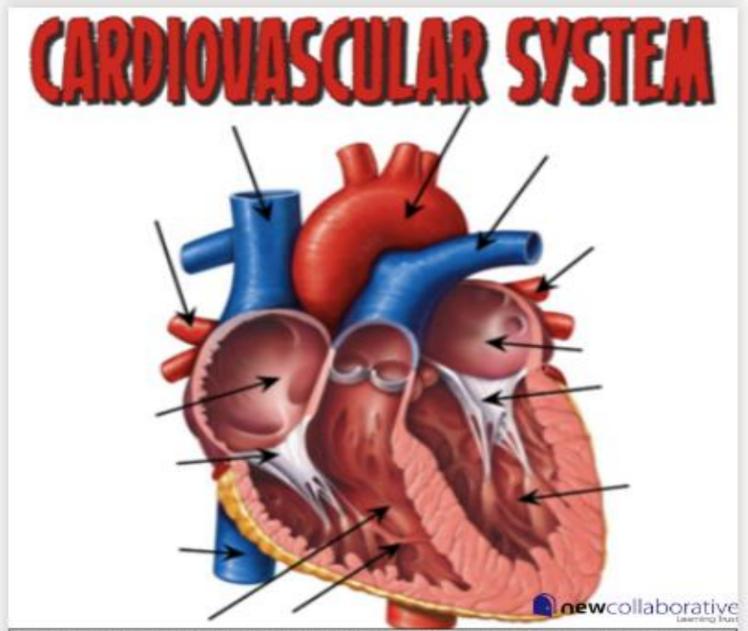
#### Complete Table 2 by

- (a) identifying the agonist muscles
- (b) identifying the type of contraction of the agonist for each movement.

Joint movement	(a) Agonist	(b) Type of contraction
Knee extension (lead leg)		
Knee flexion (trail leg)		

Table 2





Describe the 5 different types of blood vessel (Arteries, Arterioles, Capillaries, Venules, Veins)

# LABEL THE ABOVE DIAGRAM WITH THE FOLLOWING COMPONENTS:

atria, ventricles, bicuspid valve, tricuspid valve, aortic valve, pulmonary valve, aorta, vena cava - superior and inferior, pulmonary vein, pulmonary artery



Q8.	
One characteristic of cardiac muscle is that it is non-fatiguing.	
State <b>one other</b> characteristic of cardiac muscle.	
	(1)
	( )
(Total for q	uestion = 1 mark)
Q9.	
State the function of the tricuspid valve.	
(Total for gu	estion = 2 marks)

## Q10. Figure 3 shows the heart.

Identify the structures of the heart labelled A-D in Figure 3.

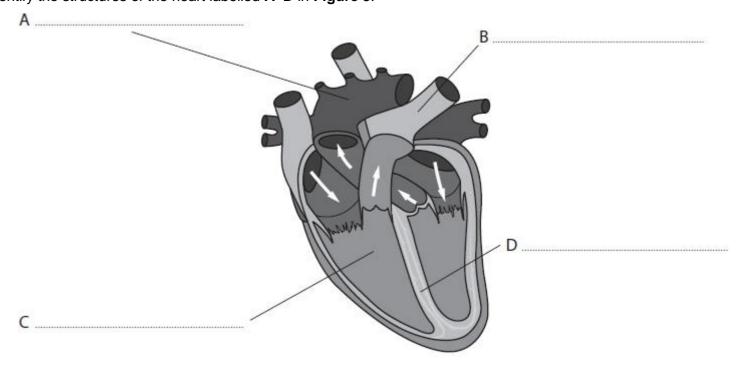
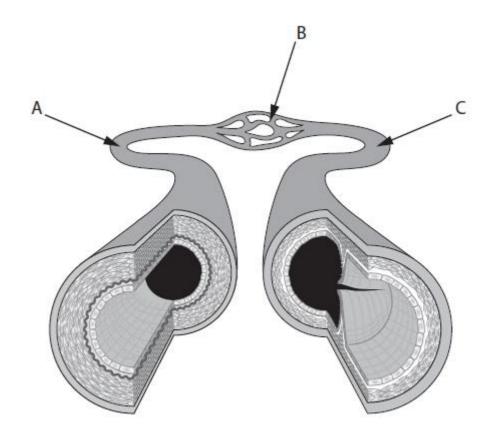


Figure 3



(Total for question = 4 marks)

Q11.
Figure 2 shows the various types of blood vessel.
Name the blood vessels labelled A–C in Figure 2.



(Source: @ Blamb/Shutterstock)

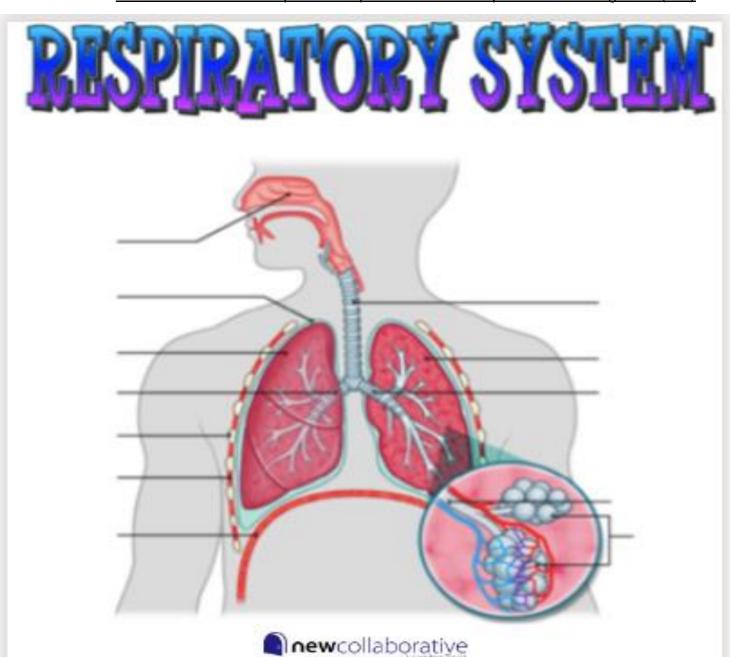
Figure 2

4	• •	 ٠.	 	 ٠.	٠.	 			 ٠.	 	 -	 				٠.		
3		 	 	 		 			 	 		 						
$\sim$																		

(Total for question = 3 marks)

/3





# LABEL THE ABOVE DIAGRAM WITH THE FOLLOWING COMPONENTS:

nasal cavity; epiglottis; pharynx; larynx; trachea; bronchus; bronchioles; lungs (lobes, pleural membrane, thoracic cavity, visceral pleura, pleural fluid, alveoli); diaphragm; intercostal muscles (external and internal)



#### Q12.

Figure 5 is an incomplete flow diagram of the route that air passes through when travelling from the nasal cavity to the alveoli.

Identify the four structures needed to complete the flow diagram shown in Figure 5.

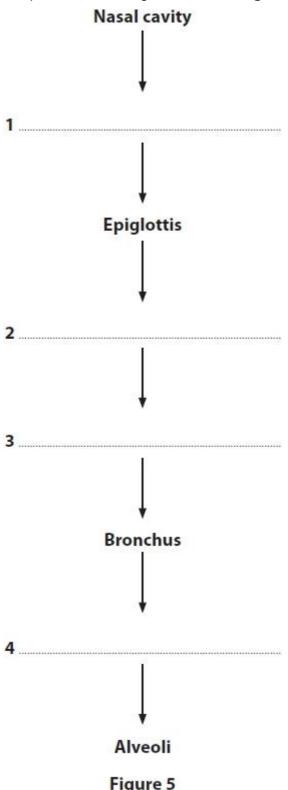


Figure 5



(Total for question = 4 marks)

#### Q13.

Name the structures, A-C, described in **Table 1**.

Structure	Description
A	A flap of cartilage at the base of the tongue, which prevents food from entering the windpipe.
B	Large single tube strengthened by rings of cartilage.
C	Tiny airways that carry oxygen to the alveoli.

Table 1

(Total for question = 3 marks)



## **Compulsory Task 2**

## **Creating positive lifestyle habits**

Think about members of your family or close friends (four in total) and how you might change one negative factor of their lifestyles. (Do not name them on the worksheet.) What would you change and what would you suggest as an alternative?

Remember to provide a justification for your suggested change (see example below):

₩,

Subjec t	Negative factor	Positive alternative	Justification				
	Smoking	Stop smoking and start gentle exercise routine (walk dog twice a day)	Stopping smoking and starting exercise routine will reduce hypertension and risk of CHD				

Subject	Negative factor	Positive alternative	Justification
1			
2			
3			
4			



What do the following terms mean to you...?

**Exercise:** Physical activity requiring effort, carried out to sustain or improve

health and fitness...

**Health:** A complete state of social, physical & mental well-being with the absence of illness / injury.

**Lifestyle:** The way in which a person lives, influenced by a number of factors...

## **Diet Poster Task:**

Create a poster explaining the below points about diet...!!!

- Define diet
- Calorie recommendations (why males and females are different)
- 5-a-day (why a different 5?) Why eat fruit & veg?
  - E.g vitamins and minerals
- Food groups (job of each one + a food e.g.) + Water consumption!!!
- Why different people need different diets (compare 2 people)
- Diet effects:
  - A good diet leads to...? (x5 explained points)
  - A poor diet leads to...? (x5 explained points)
- Images





## **Compulsory task 3**

How many Br	itish NGB's can y	ou name?
FA =	SE =	TTE=
BAFA=	EG=	VE=
AGB=	BG=	RFL=
UKA=	EIHA=	RFU=
NE=	RE=	Any others that you might
BE=	BR=	know?
ECB=	LTA=	•



### Strongly Recommended task:

CARUS

Watch 6 and read 4 and complete the tasks as outlined below in the green box:

## OCR A LEVEL PHYSICAL EDUCATION DEVELOP YOUR KNOWLEDGE OF SPORTING CONTEXT IN PREPARATION FOR YOUR 2 YEAR COURSE



Unstoppable

(Sport Psychology)

(Drugs/Performance)

Stop at Nothing

(Doping in Sport)

(Sport Psychology)

The Game Changers

(Diet and Nutrition)

(Diet and Nutrition)

(American Football)

(American Football)

Last Chance U

The Last Dance

(Michael Jordan)

Moneyball

(Adversity in Sport)

Formula 1 Drive to Survive

Supersize Me

Blindside

Coach Carter





Books to Read

Shoe Dog - Phil Knight History/Story of Nike

Bounce - Matthew Syed Neuroscience/Psychology

> Black box thinking Matthew Syed Psychology

Unbeatable -Jessica

No Limits - Michael Phelps

My Time- Bradley Wiggins

Between the lines -Victoria Pendleton

Legacy - James Kerr All Blacks (New Zealand Rugby)

The Secret Race -Tyler Hamilton and Daniel Coyle Drugs/Energy Systems/Deviance

Subscribe to the Body Coach (Joe Wicks) All or Nothing Manchester City (Types of Training/Nutrition) Kobe Bryant All or Nothing New Zealand All Black: Black Mamba Doc Being Serena This is Football "Is Professionalism Killing Sport" 4 Minute Mile BBC Documentary The Psychology of a Winner 2020 The Program Documentary (Lance Armstrong) Andy Murray - Resurfacing Trent Alexander Arnold (Injury Rehabilitation) Living the Dream Dan Carter - Perfect Tyson Fury Road to Redemption Crossing <u>The</u> Line The Unknown Runner Australian Cricket The Race to Dope Jurgen Klopp Journey to Top (Doping System in Sport Strive for Greatness Muscle and Medals Lebron James

Keep up to date with all the latest news in the world of sport, there is always something happening that links to the course.....

Choose 2 from the lists above and write a report (minimum 1 xA4 for each) which;

(A01) Describes an overview of the Video/Book
(A02) Explains the relationship between the video/book and your OCR A level PE Specification
(A03) Analyses the video/book and discuss your opinion and conclusion
Tick the boxes of the ones you are completing. Feel free to watch as many as you want if you have time

Compulsory Task:

## Compulsory task 4

Mark your answers and add the corrections in a different colour pen. Self assessment task:



### **Mark Scheme**

Q1.

Question Number	Answer	Mark
	Award one mark for labelling each bone correctly.  • A - Clavicle (1) (DNA collarbone)  • B - Sternum (1) (DNA breastbone)  • C - Ribs/Rib Cage (1)  Accept phonetic spelling.  • *DNA = Do not accept	3

Q2.

Question Number	Answer	Mark
	Award one mark for correctly labelling each region.  B - Thoracic E - Coccyx	2

Q3.

Question Number	Answer	Mark
	Award <b>one</b> mark for identifying each correct region of the vertebral column, up to a maximum of <b>two</b> marks.	2
	A - Cervical C - Lumbar	
	Accept phonetic spelling.	



#### Q4.

Question Number	Answer	Mark
	Award <b>one</b> mark for identifying each muscle, up to a maximum of <b>two</b> marks.	2
	A - Gluteals	
	B - Gastrocnemius	
	Accept phonetic spelling.	

#### Q5.

Question Number	Answer	Mark
	<ul> <li>Award one mark for labelling each muscle correctly.</li> <li>A - Gastrocnemius (1) (DNA Calf)</li> <li>B - Soleus (1)</li> <li>C - Tibialis anterior/Tibialis ant (1)</li> </ul> Accept phonetic spelling. *DNA = Do not accept	3

#### Q6.

Answer	Mark
Award one mark for labelling each muscle correctly.  • A - Pectorals/Pectoralis/Pectoralis Major/Pectorialis Minor (1) (DNA Pecs)  • B - Trapezius (1) (DNA Traps)  • C - Latissimus dorsi (1) (DNA Lats)  Accept phonetic spelling.	3
	Award one mark for labelling each muscle correctly.  • A - Pectorals/Pectoralis/Pectoralis Major/Pectorialis Minor (1) (DNA Pecs)  • B - Trapezius (1) (DNA Traps)  • C - Latissimus dorsi (1) (DNA Lats)



#### Q7.

Question Number	Answer			Mark
(a) & (b)	agonist muscle Award <b>one</b> ma	ark for each identife, up to a total of to ark for each identife up to a total of to	t <b>wo</b> marks. fication of a type	2 + 2
	Joint movement	(a) Agonist	(b) Type of contraction	
	Knee extension (lead leg)	Quadriceps	Concentric	
	Knee flexion (trail leg)	Hamstrings	Concentric	
	Accept phonet DNA abbreviat	ic spelling. ed versions of the	muscle.	

#### Q8.

Question Number	Answer	Mark
	Award <b>one</b> mark for identification of a characteristic of cardiac muscle	1
	Cardiac muscle is involuntary (1)	
6	Accept any other appropriate answer.	



Question Number	Answer	Mark
	Award one mark for stating the function of the tricuspid valve for a maximum two marks.      Control blood flow between the <u>right</u> atrium and <u>right</u> ventricle/controls blood flow on the <u>right</u> -hand side of the heart (1) and prevent backflow (1)	2

#### Q10.

Question Number	Answer	Mark
	Award <b>one</b> mark for labelling each structure of the heart correctly.  • A – Aorta (1)  • B – Pulmonary artery/PA (1)  • C – Right ventricle/RV (1)  • D – Septum (1)	4
	Accept phonetic spelling.	

#### Q11.

Question Number	Answer	Mark
	Award one mark for naming each of the blood vessels correctly.  • Artery/Arteriole – A  • Capillary – B  • Venule/Vein – C	3
	Accept specific examples (e.g. Pulmonary Artery/Pulmonary Vein)	



#### Q12.

Question Number	Answer	Mark
	Award <b>one</b> mark for labelling each respiratory structure correctly.	4
	• 1- Pharynx	
	<ul><li>2- Larynx</li><li>3- Trachea (DNA Windpipe)</li></ul>	
	4- Bronchioles	
	Accept phonetic spelling. *DNA = Do not accept	2

#### Q13.

Question Number	Answer	Mark
	Award <b>one</b> mark for naming each structure.  • Epiglottis – A  • Trachea – B  • Bronchioles – C	3



Video Analysis task. Find a video from Olympic Badminton match (Preferably Tokyo 2021!) Observe and analyse the performance and include a video link to the match.

## The practical element of this course

The two sports you will be assessed using are;

Team Sport: Volleyball

Individual Sport: Badminton





## Importance of the practical element...!!!

Half of your assessment is based around the practical element of this course.

- You have to gather video evidence each week and compile this into one video at the end of the unit.
- This will then be used for performance analysis and to create a development plan.
- This means you will need a recording device at each of the practical lessons.



Example of how to tally and analyse a match. You have to find out the key skills and tactics for badminton. Observe, analyse and tally:

## E.g. Full match videos (with annotations)

E.g. Badminton Week 1 - Game 3:

Result: Won 15 - 9 / 11-15 / 15 - 4



Video Time	Skill Evidenced	Successful or not
38s	Underarm short serve	Yes
1:01	Underarm Clear	Yes
1:18	Underarm Drop-Shot	No

I would
recommend
this method as
it saves time on
video editing
and is simple to
lay out.

Just make sure your timings are correct in the table and you label each shot correctly.

Present a table as above and show the full match video link to accompany the table.



## Answers to National Governing Body Quiz:

## How many British NGB's can you name?

FA= The Football Association

SE= Swim England

TTE= Table Tennis England

WE= Volleyball England

VE= Volleyball England

RFL= Rugby Football League

UKA= UK Athletics

SE= Swim England

TTE= Table Tennis England

VE= Volleyball England

RFL= Rugby Football Union

NE= Netball England RE= Rounders England Any others that you might

LTA= Lawn Tennis Association

BE= Basketball England BR= British Rowing Know...?

**ECB=** English Cricket Board