# **Candidate Marks Report**

## Series: 6 2018

This candidate's script has been assessed using On-Screen Marking. The marks are therefore not shown on the script itself, but are summarised in the table below.

Centre No : Assessment Code : J587
Candidate No : Component Code : 01

Candidate Name:

Total Marks: 25 / 60

In the table below 'Total Mark' records the mark scored by this candidate. 'Max Mark' records the Maximum Mark available for the question.

Paper:	J587/01
Paper Total:	25 / 60
Question	Total / Max Mark Mark
1	1/2
2	0 / 1 0 / 1
3 4	0 / 1
5	0/2
6	1/1
7i	1 / 1
7ii	0 / 1
8	0/2
9	2/3
10 11a	1 / 1 1 / 1
11a 11b	1 / 1
12	1/2
13	0 / 1
14	0 / 1
15	0 / 1
16	1/1
17 18	2 / 2 0 / 1
19	1/1
20	1/1
21a	0/5
21bi	0 / 1
21bii	3 / 4
22a	2/4
22b	2/6
23a	2/3
23b 23c	0 / 4 2 / 3
200	213

## Section A

### Answer all the questions.

1	Describe the function of alveoli.	
	The function of the alveoli is to aassews	
	The function of the alveoli is to gasseous exchange where oxygen and carbon dioxide exchange.	
	diexide exchange.	
2	Fig. 1 below shows a diagram of the heart.	
	D. pulmonary vein C. pulmonary artery	
	B. tricuspid valve  A. septum	
	Fig. 1	
	Identify the part of the heart that is labelled incorrectly in Fig. 1.	
	B-Tricuspid value	. [1]
3	Give a definition of a synovial joint.	
	Hyroge Hinge Joint	. [1]
4	A rugby player will use their shoulder joint when making a tackle.	
	Name the <b>two</b> articulating bones in the shoulder joint that are at risk of injury during a retackle.	ngpy
	1. Dellosal	
	1. Dellosal	

 $\langle Q^{\dagger}_{1}Q^{\dagger}_{2}Q^{\dagger}_{1}Q^{\dagger}_{2$ 

[2]



5	Reversibility	is	а	principle	of	training
---	---------------	----	---	-----------	----	----------

Using a practical example, explain what is meant by the term 'reversibility'.

Reversibility is where you get an insure and it takes a long period of the without training for example a Thothand player who has been insured will have to train again. [2]

Which **one** of the following shows the correct distances for the multi-stage fitness test and the test for speed?

Put a tick (✓) in the box next to the correct answer.

- A 30 m for the multi-stage fitness and 25 m for the speed test
- B 20 m for the multi-stage fitness and 25 yards for the speed test
- C 20 m for the multi-stage fitness and 30 m for the speed test
- D 30 m for the multi-stage fitness and 30 yards for the speed test



Turn over ..

[1]

7 Fig. 2 shows a diagram of the lower leg.

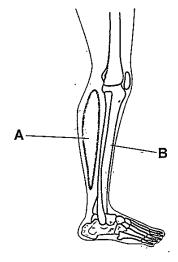


Fig. 2

Identify muscle A and bone B.

- (i) Muscle A: Castonemus [1]
- (ii) Bone B: Tibela [1]



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8	Identify <b>two</b> potential hazards in a swimming pool.
	1. Drowning
	2. Slippiner TV
	[2]
.9	Using practical examples, explain the difference between the transverse and longitudinal axes of rotation.
	longitudinal axes of solution is two three from head to too to too. Transverse is a solution
	that is in front of your A practical example
	of a transverse rolation could be becop
	Curl 3
	[3]
10	Give a practical example where aerobic endurance is important in sport.
	lone distance rennina [1]
11.	(a) Circuit training is a training method that consists of a series of exercise stations.
	Describe <b>one</b> other feature of circuit training.
	Timed togice at each Slabon
	[1]
	•
	(b) Design a simple circuit training session to overload the upper body by completing the diagram below, placing one of the named exercises in each station.
	Bicep curls / Lunges Squats Press ups Pull ups Step ups
W	Station 1  Station 2  Station 3  Poly  Cool down  Cool down
<u> </u>	
	[1]





12	Cartilage plays an important role in the skeletal system.	
	Assess how cartilage helps a marathon runner during performance.	
	Slops the two knee bones from a	eldo'ner
	Slops the two knee bones from against each ones	<u> </u>
		[2]
		1–1
13	Which class of lever will a weightlifter be using when performing a bicep curl?	
	First class	[1]
14	The performer in Fig. 3 below has performed a movement that has passed through plane.	ough the frontal
	m² m²	
		•
	$\mathbb{H} \mathcal{S} \longleftrightarrow \mathcal{S}$	
	Fig. 3	
	Is this statement true or false? Draw a circle around your answer.	
	True	
		[1]
		ř.1
15	Which one of the following statements is false?	•,
	Put a tick (✓) in the box next to the correct answer.	
	A Fixators help stabilise a joint and prevent unnecessary movement	
	B Most lever systems in the body are 3 <sup>rd</sup> class	
	C A common hazard in rugby is concussion	
	D Fartlek training improves speed and endurance	
		[1]
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16 Fig. 4 shows a diagram that highlights one plane of movement.

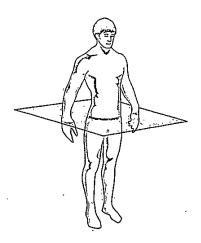


Fig. 4

	Name the movement plane highlighted in Fig. 4 above.
17	Describe a suitable cool down for a dancer.  A dance Soilable cool down for a
	dances usuld be Stretching.  Distince vales and slow walking movement will help to cool down. 12
18	Give a practical example of how an appropriate level of competition can prevent injury to a performer in a sport or physical activity.  Before place a wolland make you would all
	Warm up to prevent indury



19 Fig. 5 shows a picture of the foot of a long jumper taking off.

Label Arrows A and B to correctly identify the components of this lever system.

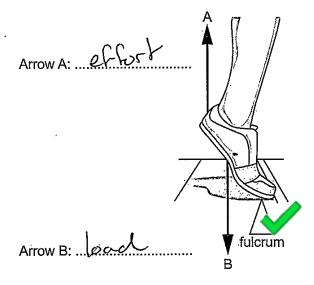


Fig. 5.

[1]

20 The human heart is part of a single-circulatory system.

Is this statement true or false? Draw a circle around your answer.

True

False

[1]



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## Section B

### Answer all the questions.

<b>Z</b> 'i	(a)	front crawl.
		The heart will be pumping very gurdett
		The heart uin be pumping very quickette circulations blood around he body
		quickette the ceasure rate vill also
		improve Blood will be pumped to
		the working modern Cardlo vascular
		Etness will was Improve Stake valure
		will improve IV
		7
		[5]
	(þ)	A swimmer who undergoes a six month training programme will experience muscular hypertrophy.
		(i) What is meant by the term 'muscular hypertrophy'?
		Where it Slows you down
		[1]
		(ii) Describe other muscular benefits the six month training programme might have for the swimmer.
		- Doine this programme will improve
		he stream & foo for he swimmer.
		- This programme will help the suinness
		cardio vasculat endurance
		- Mis programme vill halp the suinness  IRRICATION VOSCILLET and Name  Less risk of insurices
		- Reconesse ate will be improved





22.	(a)	Reaction time and	speed an	e important fi	tness con	mponents r	equired f	or a 100 m	sprinter.

Define the fitness components of reaction time and speed and explain their importance to a 100 m sprinter.

A lown sprinker will need reaction three because they need to hear and react to the Starting Shot giving hem a quick

A loom sprinter would need speed in



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	Before an athlete participates in a sprint they will complete a warm up to prepare their body and mind for the race.
	Using practical examples, describe the components of a warm up and evaluate the different mental preparation techniques that could be used to fully prepare the athlete for the race.
K	A sport would warm up by starting
E	a short don between comes. They would her go on to doine strektos
KU	in order to help prevent insuries. For
;	parlorminer a loon sport
	A sprinter would need to also use metal preparation before their performance.
	This is to mentally propare hem for he sprint so for example a loom sprintes
EG	pould restally picture what he sprint B game to be like slep by slep.
	, <u>L.L.</u>
	······································
	[6]





23 Fig. 6 below shows the respiratory rate for two hockey players before, during and after a match.

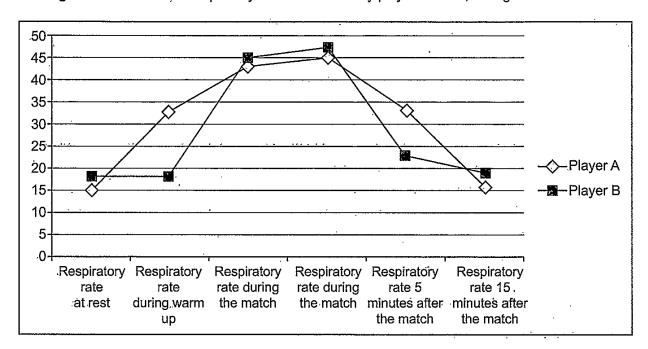


Fig. 6

(a) Using the information in **Fig. 6**, analyse how the two players' respiratory rates compare and why they may be different.

Playar As heart rate increased quickle
durina le arom up, whereas pluser Bis
didn't. Player A has a shahther better
heart rate doring he makes as it shares lower
han pluyer B. This nears he isophity.
Player B's Least rate dops quickly 15 mines
after he motel. Their heart rules are
different because her punin different
position Brance Branche a strikes. [3]

(b)	Explain the role of respiratory muscles during inspiration while player A is performing in the hockey match.
	Te role of he respiratore muscles duônes.
	planet tis performance is to inspiration because he diaphram ages up and
	te ribs go in . This halps him b
	breake diffree los performance
	2
	[4]
(c)	Analyse the effects that lactic acid could have on the performance and recovery of the hockey players.
	lache acid will cause muscle babique
	and you will feel most sorgress after
	he performance lactic adit acid will
5	Slow down he hockere places divine the
	parformation

### **END OF QUESTION PAPER**



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N. W. W.

### **ADDITIONAL ANSWER SPACE**

	early shown in the margin(s).
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To be completed by the examiner or moderator		
I have read the scribe's cover sheet.		
.I have marked the script/moderated the candidate's wor	k in accordance with the ins	tructions given.
Comments (if appropriate) for awarding body attention		
Examiner/Moderator	Date	
Name (Please print)		
Signature		

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### Notes on the completion of the Scribe cover sheet

#### Centre:

- Examination scripts: the form must be completed and placed inside the candidate's completed script when handwritten. Where the candidate's completed script has been typed, please refer to the relevant awarding body's instructions.
- **Non-examination assessment**: the form **must** be completed and securely attached to the front of the work. The work **must** be sent to the moderator in addition to the sample requested.
- The script/non-examination assessment must be produced in accordance with the regulations in Chapter 5, section 5.7 of the JCQ publication Access Arrangements and Reasonable Adjustments. Failure to comply may constitute malpractice which could lead to the disqualification of the candidate.
- The information required in the boxes on the form **must** be correct and complete.
- In the box marked *Comments* please indicate whether any problems were experienced with the production of the script, which should be drawn to the attention of the examiner.
- The form must be signed by the scribe and countersigned by the head of centre/examinations
  officer in order for the candidate's work to be accepted.

#### Scribe:

During the examination or the production of non-examination assessment, a scribe:

- must write or type accurately, and at a reasonable speed, what the candidate has said;
- must draw or add to maps, diagrams and graphs strictly in accordance with the candidate's
  instructions, unless the candidate is taking a design paper, in which case a scribe will only
  be permitted to assist with the written parts of the paper;
- must abide by the regulations since failure to do so could lead to the disqualification of the candidate;
- must write or word process a correction on a typescript or Braille sheet if requested to do so by the candidate;
- must immediately refer any problems in communication during the examination to the invigilator or examinations officer;
- must not give factual help to the candidate or indicate when the answer is complete.
- must not advise the candidate on which questions to do, when to move on to the next question, or the order in which questions should be answered;
- may, at the candidate's request, read back what has been recorded.

N.B. Where an application for the use of a scribe is processed using *Access arrangements online*; the centre must generate a pre-populated scribe cover sheet. In such circumstances, the completed scribe cover sheet is the only document which needs to accompany the candidate's script/non-examination assessment.

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# Off Page Comments

Item Name	Comment
9	Twisting awarded for longitudinal example Point 3.
21a	TV for pumping very quickly as needs to state increase. Blood pumped to working muscles = TV as needs to state MORE Stroke volume will improve = TV as this is linked to a long term effect.0
23c	Sub-max reached for performance so no mark awarded for 'slow down the hockey player during the performance' as Point 3.  Answer must relate to both performance and recovery for maximum marks.
23a	Despite talking about heart rate, there is some analysis of the graph that has been positively marked.
7ii	Do not accept tibula as stated in guidance in MS.