

2022 ASOC Answer Booklet (online)

Name: _____ School: _____ Account Number: _____

Section A: Multiple choice questions. (30 marks)

Please record your answers from Q1 to Q15 in the online platform.

Section B: Short answer questions (90 marks)

Question 16

(a)

(b)

→

(c)

(d)

(e)

→

(f)

(g)

(h)

(i)

(j)

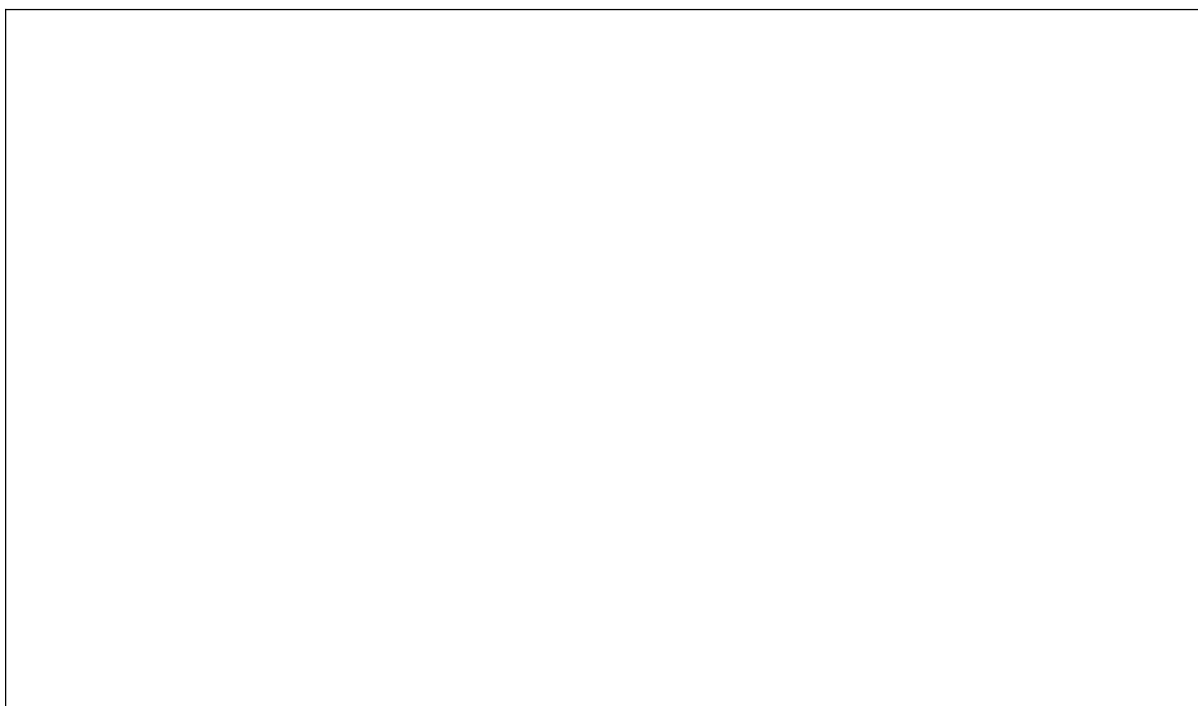
(k)

(l)

(m)



(n)



Question 17

(a)

(b)

(c)

(d)

(e)

(f)

(g)

(h)

(i)

(j)

--

(k)

--

(l)

--

(m)

--

(n)

Hydrogen atom environment	Chemical shift
H _a	
H _b	
H _c	

(o)

--

(p)

--

(q)

--

(r)

--

Question 18

(a) _____

(b) _____

(c) _____

(d)

(e) _____

(f)

(g)

(h) _____

(i) _____

(j)

(k)

(l)

(m)

(n)

(o)

(p)

(q)

(r)

(s)

(t)