Breeding for Fertility – When cows should be inseminated

First Name:	**Last Name:**
Email:	**Veterinary Practice:**
Postcode: **Date:**	

Please circle <u>one</u> answer only e.g. Ⓐ

1) In the cow ovulation occurs:

    a. 24 hours before oestrus (standing heat)

    b. At the start of oestrus

    c. At the end of oestrus

    d. 24 hours after the start of oestrus

2) What percentage of cows stand to be mounted during oestrus?

    a. 0%

    b. ~25%

    c. ~50%

    d. ~70%

3) What is the average length of heat in the modern dairy cow?

    a. 2 hours

    b. 5 hours

    c. 11 hours

    d. 15 hours

4) What is the am/pm rule?

    a. Cows seen in oestrus in the morning should be inseminated in the next afternoon and vice versa

    b. Cows seen in oestrus should be inseminated 36 hours later

    c. Inject the last GnRH in the morning and inseminate that afternoon

    d. If you give PG injection in the morning the cow will be on heat that afternoon and vice-versa

5) When is the optimal time to submit a cow for insemination?

    a. After ovulation

    b. Just before oestrus

    c. 12 hours after the start of oestrus

    d. Wednesday afternoon

6) What is the am/am and pm/am rule?

    a. Don't inseminate cows in the afternoon

b. If you're inseminating once-a-day inseminate any cows seen in heat from the previous afternoon onwards

c. If you're inseminating once-a-day don't inseminate in the afternoon

d. If you're inseminating once-a-day inseminate any cows seen in heat yesterday in the morning

7) When is ovulation defined as delayed?

a. If it does not occur before oestrus

b. If it does not occur before the end of oestrus

c. If it does not occur within 12 hours of the start of oestrus

d. If it does not occur within 32 hours of the start of oestrus

8) Which of the these treatments may increase the conception rate in cows suspected of having a delayed ovulation?

a. GnRH at the time of insemination

b. PG at the time of insemination

c. GnRH 24 hours after insemination

d. PG 24 hours after insemination

9) When should you use double fixed time AI after a progesterone/PG programme?

a. When you are using expensive semen

b. When the cow shows heat

c. When you want to maximise the proportion of synchronised cows which get pregnant

d. Always

10) When using a GPG programme:

a. The cow should be inseminated before the second G

b. The cow should be inseminated 32-36 hours after the second G

c. The cow should be inseminated 16-20 hours after the second G

d. The cow should only be inseminated when the cow is seen in heat