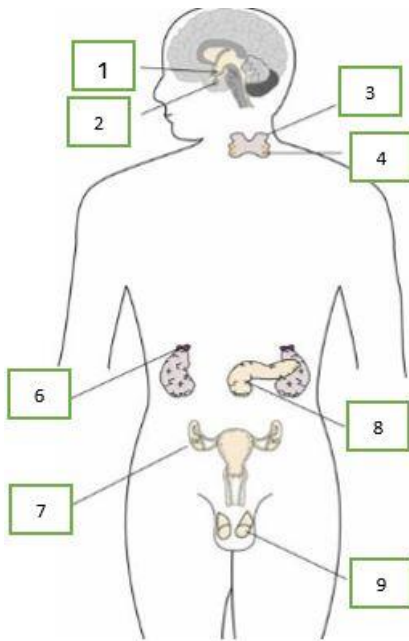


CBT- SCIENCE(DECEMBER)

TOPICS- REACHING THE AGE OF ADOLESCENCE

Que.1 Identify and name which endocrine gland is at marked as number 8 in the given diagram.



- A. Pancreas
- B. Testes
- C. Ovary
- D. Adrenal

Answers

Pancreas

Answer feed back

Pancreas is located below the stomach and above the large intestine.

Que.2 The protruding part of the throat is called -

- A. Voice box
- B. Adam's apple
- C. Both of these
- D. None of these

Answer

Adam's apple

Feedback

The protruding part of the throat at the age of puberty is called Adam's apple

Que.3 The first menstruation flow begins at puberty and is termed as-

- A. Menarche
- B. Menopause
- C. Both of these
- D. None of these

Answer

Menarche

Feedback

The first menstruation flow begins at puberty and is termed as Menarche

Que.4 The number of chromosomes present in human being-

- A. 45
- B. 22
- C. 23
- D. 46

Answer

46

Feedback

The number of chromosomes present in human being are 46.

Que.5 The chemical substances secreted by the endocrine glands are called-

- A. Chromosomes
- B. Adam's apple
- C. Hormones
- D. All of these

Answer

Hormones

Feedback

The chemical substances secreted by the endocrine glands are called Hormones.

Que.6 The hormone that controls the secondary sexual characteristics in female is-

- A. Testosterone
- B. Estrogen
- C. Both of these
- D. None of these

Answer

Estrogen

Feedback

The hormone that controls the secondary sexual characteristics in female is Estrogen.

Que.7 In males, the sex chromosomes consist of -

- A. One X and one Y
- B. Both X and X
- C. Both Y and Y
- D. None of these

Answer

One X and one Y

Feedback

In males, the sex chromosomes consist of one X and one Y

Que.8 In the given figure, fill the blank circles and identify the sex of child A.

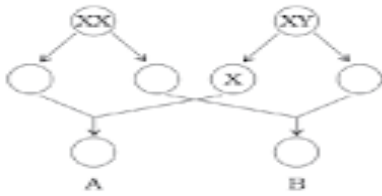


Fig. 10.1

- A. Male
- B. Female
- C. No idea
- D. None of these

Answer

Female

Feedback

In child A one X chromosome is shared by male and one X chromosome is shared by Female so there will be XX combination in child A. So it will be a female child.

Que.9 AIDS can spread from an infected person to another person through-

- A. Sharing food
- B. Blood transfusion
- C. Sharing comb
- D. Mosquito bite

Answer

Blood transfusion

Feedback

Blood carries a much higher level of HIV virus so it spread through Blood transfusion.

Que.10 The changes which occur in the age at puberty are brought by various -----

- A. Hormones
- B. Factors
- C. Issues
- D. Food

Answer

Hormones

Feedback

The changes which occur in the age at puberty are brought by various Hormones.

SST (DECEMBER)

1.Stripurush tulna was written by

- I. Ramabai Ranade

- II. Tarabai Shinde
- III. Rukaiya begam
- IV. Pandita ramabai

Feedback for incorrect answers

Tarabai Shinde written book Stripurush Tulna for the awareness of women.

2. Sati system was ended in

- I. 1839
- II. 1865
- III. 1829
- IV. 1850

Feedback for correct answers

Sati system was abolished in 1829 by the contribution of Rajaram mohan roy.

3. Which samaj was founded by Jyotiba Rao Phule

- I. Arya Samaj
- II. Satyashodhak samaj
- III. Brahma samaj
- IV. All of these

Feedback for correct answers

Satyashodhak samaj was founded by jyotiba Rao Phule.

4. Temple entry movement was started by

- I. Dr Bhimrao Ambedkar
- II. Periyar
- III. Jyotiba Rao Phule
- IV. Ishwar Chandra Vidyasagar

Feedback for incorrect answers

Temple entry movement was started by Dr Bhimrao Ambedkar in 1927.

5. Industrial locations are influenced by the availability of ____.

- I. Market
- II. Labour
- III. Raw material
- IV. All of the above

Feedback for incorrect answers

Market, Labour, Raw material, Capital etc all of this are important factors for establishment of new industry.

6. The first successful textile mill was established in _____ in 1854.

- I. Madras
- II. Kolkata
- III. Bombay
- IV. Surat

Feedback for incorrect answers

The first successful textile mill was established in Bombay in 1854.

7. What literally means the original inhabitants?

- I. Ghetto
- II. Adivasi
- III. Minorities

IV. None of the above

Feedback for incorrect answers

Adivasi literally means the "original inhabitants".

8 Seafood industry is an example of __ based industries.

- I. Agro based
- II. Marine based
- III. Forest based
- IV. Mining based

Feedback for incorrect answers

Seafood industry is an example of Marine based industries.

9. The term Scheduled Tribe is used For?

- I. points
- II. Rural people
- III. Dalit
- IV. Labour

Feedback for incorrect answers

The term Scheduled Tribes is used For Dalits in Indian Constitution.

10. Constitutional safeguards are provided to the minorities on the basis of:

- I. Language
- II. Religion
- III. Both A and B
- IV. None of the above

Feedback for incorrect answers

Minorities according to the Indian constitution are defined on the basis of language and religion.

MATHS (DECEMBER)

Q1*

1point

The expression $x + y - xy$ is

- (a) Monomial (b) Binomial (c) Trinomial (d) Quadrinomial

Mark only one oval.

- a)
- b)
- c)
- d)

Feedback - Trinomial has three terms

Q2.*

1point

Subtracting $7x + y$ from $-x + y$ gives

(a) $6x + 2y$

(b) $8x + 2y$

(c) $-8x$

(d) $8x$

Mark only one oval.

 a) b) c) d)

Feedback= Like terms are add and subtract according to their signs

Q3.*

1point

Multiplication of 'ab' and 'a-b' is

(a) $a^2b - b$

(b) $a^2b + b$

(c) $ba^2b + ab^2$

(d) $a^2b - ab^2$

Mark only one oval.

 a) b) c) d)

Multiply monomial to binomial.

Q4.*

1point

What should be value of 'a' if $y^2 + y - a$ equals to 3 for $y=1$

(a) -1

(b) -5

(c) 5

(d) 0

Mark only one oval.

 a) b) c) d)

Feedback= Find the value of the algebraic expression by putting $y = 1$

Q5.*

What must be added to $3x + y$ to get $2x + 3y$

(a) $5x + 4y$

(b) $-x + 2y$

(c) $x - 2y$

(d) $x + 2y$

Mark only one oval.

 a) b) c) d)

Feedback= Subtract $3x + y$ from $2x + 3y$

Q6.*

1 point

The equation for the statement: one fourth of a number minus 4 gives 4.

- (a) $4x - 4 = 4$ (b) $\frac{4}{x} - 4 = 4$ (c) $\frac{1}{4}x - 4 = 4$ (d) $x - 4 = \frac{1}{4}$

Mark only one oval.

- a)
- b)
- c)
- d)

Feedback= Write the expression according to the statement

Q7.*

1 point

The area of triangle is 'xy' where 'x' is length and 'y' is breadth. If the length of rectangle is increased by 5 units and breadth is decreased by 3 units, the new area of rectangle will be

- (a) $(x - y)(x + 3)$ (b) $xy + 15$ (c) $(x + 5)(y - 3)$ (d) $xy + 5 - 3$

Mark only one oval.

- a)
- b)
- c)
- d)

Feedback=Area of the rectangle = Length x breadth $= (x+5)(y-3)$

Q8. Write an expression: Raju's father's age is 5 years more than 3 times Raju's age. If Raju's age is x years, then father's age is:

*1 point

Mark only one oval.

- a) $5 - 3x$
- b) $3x -$
- c) $15x$
- d) $3x + 5$

Feedback =Raju 's age is x , then his father 's age is $3x+5$

1point

Q9.*

1 point

The value of expression $2a^2 + 2b^2 - ab$ for $a=2$, $b=1$ is

(a) 2

(b) 8

(c) 6

(d) 10

Mark only one oval.

 a) b) c) d)

Feedback=Put $a = 2$, $b=1$ in the given expression and solve the expression

Q10.*

1 point

The coefficient of x in the expression $-7x + 5$ is

(a) 5

(b) -7

(c) 7

(d) x

Mark only one oval.

 a) b) c) d)

Feedback =Coefficient is the numerical value so coefficient of x is -7

