# CBT DECEMBER 2023 CLASS 7

## SUBJECT – MATHEMATICS
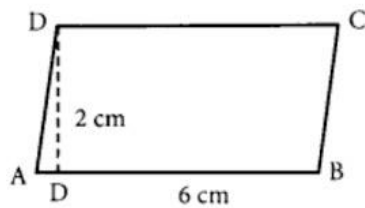
**Q1. The area of a square plot is 1600 m². The side of the plot is***

(a)40m        (b)60 m        (c)  120 m        (d)180 m

**ANSWER-(a)40m**

**EXPLANATION** - Area of the squre is side x side. 1600 =40 x 40

**Q2 .Find the area of the following parallelogram***
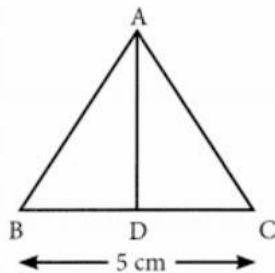


(a)8 cm²        (b) 12 cm²        (c) 16 cm²        (d) 20 cm²

**ANSWER- (b) 12 cm²**

**EXPLANATION**-Area of parallelogram =Base x Height

**Q3.  Find AD in the following figure, if area of ΔABC is 6 cm²**



(a)5cm        (b) 8cm        (c) 2.4cm        (d) 4.5cm

**Answer-(c) 2.4cm**

**EXPLANATION**- Area of triangle =1/2 base x height.

**Q4.  How many terms are there in the expression 5x + 3y + 8?**

1       (b) 2       (c) 3       (d)4

**ANSWER-(c) 3**

 **EXPLANATION**-A term can be a number, a variable, a product of 2 or more variable


**Q 5. The value of 3x² + 2x – 7 at x = -2 is***

(a)1       (b)-1       (c) 9       (d)-2

**ANSWER-(a)1**

**EXPLANATION** – 3X-2X-2+2X-2-7=1


**Q 6. The expression 4p²q – 4pq² + 1 is a**

(a)Monomial     (b) Binomial  (c) Trinomial   (d) Polynomial

**ANSWER- (c) Trinomial**

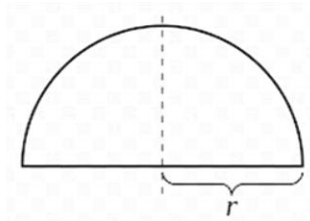**EXPLANATION** -A trinomial is polynomial with three unlike terms


**Q 7.  Subtracting 5x + 3y from 5x – y + 8 gives**

(a)4y – 8        (b) 4x – 8    (c) 4x+8   (d) 8 - 4y

**ANSWER- d) 8 - 4y**

**EXPLANATION** -5x-y+8-(5x+3y)=5x-y+8-5x-3y=4y+8 or8-4y


**Q8.  Perimeter of a semi circle is***



(a)3πr²     (b) 2πr²   (c) 1/2 πr²   (d) πr + d

**ANSWER- (d)**

**EXPLANATION**-perimeter of given figure= circumference of semi circle+ diameter

**Q9. The coefficient of $x^2$ in – $5x^2y$ is***

5          (b)-5y          (c) 5y          (c) 5x+y

**Answer-(b)-5y**

**Q10. The perimeter of a rectangle is 30 m. Its length is 10 m its breadth is**

(a)3m          (b) 10m          (c)15m          (d) 5m

**Answer-(d) 5m**

**EXPLANATION**-perimeter of rectangle =2(length + breath)

## SUBJECT - SCIENCE

## ANSWER AND FEED BACK

**Q:11  which of the following terms constitute female reproductive parts in a flower**

a) Stigma, style and stamen          b) Stigma, style and ovary.

   c) Stamen , style and ovary.          (d) d) None of the above.

**ANSWER  - b) Stigma, style and ovary.**

**EXPLANATION**-In a flower, Pistil is the female reproductive part. It consist of stigma ,style and ovary.

**Q:12.   Bryophyllum reproduces by the method of………………..**

a) Vegetative propagation by leaves.     b) Fragmentation

c) Budding          d) Spore formation

**ANSWER- a) Vegetative propagation by leaves.**

**EXPLANATION**- This is the method of asexual reproduction in which plant reproduce by vegetative part like leaf ,root, stem etc.

**Q:13. Which of the following statements is / are not true for sexual reproduction in plants?**

(I)      Young plant is exactly similar to parent plants.
(II)     Two plants are always essential.
(III)    Fertilization can occur  after pollination.
(IV)    Only insects are agents of pollination

**ANSWER**- (iv)  Only insects are agents of pollination

**EXPLANATION**-pollen grain contain male gamete fuse with ovule and produce new plant


**Q:14 Boojho had the following parts of a rose plant – a leaf, roots, a branch, a flower, a bud and pollen grains. Which of them can be used to grow a new rose plant?**

a) Roots      a) Roots      c) A branch    d ) A flower

**ANSWER- c) A branch**

**EXPLANATION**-example of vegetative propagation by stem


**Q:15  The transfer of pollen from the anther to stigma is called**

a) Pollination     b) Fertilization    c) Zygote formation     d) Dispersion.

**ANSWER- a) Pollination**

**EXPLANATION**- pollination is the transfer of male gamete to the female gamet


**Q:16. Which of the following statements is correct**

The child in GAINT WHEEL undergoes oscillatory motion.

(b)  The basic unit of tIme is second.

   © The distance moved by an object is called speed.

   (d) Buses and trucks move with uniform motion.

**ANSWER-(b)  The basic unit of tIme is second**

**EXPLANATION**-Hours and minute are the bigger unit of time


**Q:17 Which of the following is not a unit of speed?**

a) Metre/second     b) Km/minute.   c) Km/hour     d) Second /metre

**ANSWER-d) Second /metre**

**EXPLANATION**-Speed=distance/time

**Q:18 A space ship travels 3600 km in 1 hour. Express it in km./sec**

a) 360 Km/sec.   b) 10km/sec  c) 100km/sec   d) 1km/sec

**ANSWER**-1km/sec

**EXPLANATION**-1 hour= 3600 sec,so 3600/3600x1=1km/sec


**Q:19 In which of the following cities JANTAR-MANTAR is not located….**



a) Bhopal          b) Ujjain          c) Jaipur          d) Delhi

**ANSWER- a) Bhopal**


**Q:20 A car runs for 15 minutes with the speed of 60 kilometer per hour and then continues for next 15 minutes with the speed of 80 kilometer per hour.    The total distance covered by the car in 30 minutes is…**

a) 30 km       b) 45 km       c) 50 km       d) 35 km

**ANSWER- d) 35 km**

**EXPLANATION**-


# SUBJECT - SOCIAL SCIENCE

## ANSWER AND FEEDBACK

**Q 21. Who was Mirabai?**

(a)Mirabai was a Rajput princess married into the royal family of Mewar (b) Mira Bai was was a saint of mewar  (c) Mira Bai was the follower of lord Shiva (d) None of the above

**ANSWER- (a)Mirabai was a Rajput princess married into the royal family of Mewar**

 **Explanation:** Mirabai became a disciple of Ravidas, a saint from a caste considered untouchable

**Q22 What was the unique feature of most saints during the time?**

(a) None of the above their work was composed in English lang. (b) Their works were composed in regional lang. (c) Their works were composed in regional lang. (d) None of these

ANSWER- (b) Their works were composed in regional languages

**Explanation:** Their works were composed in regional languages and could be sung it was handed down orally from generation to generation

**Q23 Mira Bai was a disciple of ……**

a) Guru Nanak (b) Lord Krishna (c) Ravi Das (d) All of the above

**ANSWER- c) Ravi Das**

**Explanation:** Mirabai became a disciple of Ravidas, a saint from a caste considered "untouchable"

**Q24 How do we know about idea propagated by Kabir?**

From a vast collection of verses called sakhis and pads (b) From Ramayna (c) mahabharat (d) All of the above

ANSWER- (a) From a vast collection of verses called sakhis and pads

**Explanation**: His ideas form a vast collection of verses called sakhis and pads said to have been composed by him and sung by wandering bhajan singers

**Q25 In what books are ideas of Kabir preserved?**

(a)Guru Granth Sahib, Panch Vani and BIja  (b) Panch tantra and Bal kavita (c) Ramayana and Mahabharat (d) None of the above

**ANSWER- a)Guru Granth Sahib, Panch Vani and BIja**

**Explanation:** his ideas from a vast collection of verses called sakhis and pads said to have been composed by him and sung by wandering bhajan singers. Some of these were later collected and preserved in the Guru Granth Sahib, Panch Vani and Bijak.

**Q26 Writing a balanced report depends on what criteria of Media**

(a ) Dependence of media   (b)Media Independence   (c) Interdependence of media and government   (d) All of the above

**ANSWER- b) Media Independence**

**Explanation:** Writing a balanced report, however, depends on the media being independent. An independent media means that no one should control and influence its coverage of news

**Q27 ⎯⎯ has control on media**

(a ) Citizens of the country (b) Government of the country (c) Male population of the country (d) Female population of the country

**ANSWER- (b) Government of the country**


**Q28 What do you mean by censorship?**

(a ) Freedom of media (b) Control over media by government (c) Dependence of Media (d) None of the above

**ANSWER-(b) Control over media by government**

**Explanation:** the government prevents either a news item or scenes from a movie or the lyrics of a song from being shared with the larger public


**Q29 The information that media provides must be**

(a)Balanced (b)Unbalanced (c) Disbalanced (d) All of the above

ANSWER- a) Balanced

**Explanation:** Given the role that the media plays in providing information, it is important that the information be balanced. An independent media means that no one should control and influence its coverage of news


**Q30 Media play an important role by not providing information to the citizens of the country**

(a)True        (b)False        (c) Can not say        (d) Partially true

**ANSWER- False**

**EXPLANATION-Media is one of the important medium of providing information to the citizen.**