

ST. ARNOLD'S CO-ED SCHOOL, PALDA

PT - II EXAMINATION (2024 - 2025)

CLASS - VIII

SUBJECT-MATHS

Time - 1 ½ Hours

M.M: 20

SECTION -A

Q1. Multiple Choice Questions-

1X4=4

1. GST is-

- ~~a~~ e. Government and Services Tax
- ~~b~~ f. Goods and Services Tax
- ~~c~~ g. Government and Society Tax
- ~~d~~ h. None of these

2. The amount, at which an article is sold, is called its _____

- ~~a~~ b. Profit ~~b~~ c. Cost price c. Selling price d. Principal

3. Degree of a polynomial $x^6 - 7x + 2$

- ~~a~~ b. 6 ~~b~~ c. 7 c. 1 d. 4

4. Area of a rectangle with length $4ab$ and breadth $6b^2$ is

- ~~a~~ b. $24 a^2 b^2$ b. $24 ab^3$ c. $24 ab^2$ d. 24

SECTION-B

Q2. Solve the following-

2X5=10

1. Using suitable identity, find the value of $(3x+4y)^2$
2. Find the product of (a) $3x^4, -4x$ (b) $-15xy, -2x^2y$
3. Subtract: $11ab + 6 cd$ from $-10bc + ab - 7 cd$
4. Find CP, When: SP= Rs 428. & Profit= 7%
5. A shopkeeper buys 40 articles for Rs 1200. And sells them at a profit of 12%. Find the selling price of the article.

SECTION-C

Q3. Do as directed- (Any-2)

3X2=6

1. Find the amount and compound interest (compounded annually).

$$P = \text{Rs.}1200$$

$$R = 5\% \text{ P.a}$$

$$n = 3 \text{ years}$$

2. The marked price of a book is 500 Rs. If it is sold for Rs 460, then find the discount percent ?

3. If $x + \frac{x}{y} = 11$, Find the value of: $x^2 + \frac{1}{x^2}$