**AFSS CENTRAL EVALUATION SYSTEM**

Central Assessment Team (CAT), HO Islamabad

**1st Term Examination 2016 – 17**

**MATHEMATICS - Class VI**

**50 marks 2 hours**

**INFORMATION FOR STUDENTS**

Marks are given against each question or part of question.

Write your name, roll number and date in the spaces provided below.

|  |  |
| --- | --- |
| Student’s Name:  | Roll No: |
| Center’s Name: | Date: |
|  | Day: |
| Invigilator’s Name: | Sign: |
| Marks Obtained:  | Remarks: |
| Examiner’s Name:Date: | Sign :Day: |

***OBJECTIVE-20(marks)***

**Q No1(a):Choose the best answer. 5**

i) Profit = selling price \_\_\_\_\_\_\_\_\_\_\_\_

 a) Cost price (b) Loss (c) Rate of interest

ii) 85% = $\frac{}{}$

 a) $\frac{20}{100}$ (b) $\frac{85}{100}$ (c) $\frac{.85}{100}$

iii) Product of extreme is equal to product of \_\_\_\_\_\_\_\_\_\_\_\_.

 a) means (b) third proportional (c) first two values

iv) $\frac{2}{3}=\frac{}{18}$

 a) 20 (b) 12 (c) 15

v) - 2 × \_\_\_\_\_\_\_ = 0

 a) 0 (b) 1 (c) 3

**Q No 2:Solve any five short questions of the following. 15**

i) Calculate L.C.M of 45 and 50.

ii) Find the H.C.F of 22 × 33 , 22 × 32 × 5 , 32 × 5

iii) Convert the $\frac{2}{25}$ into perentage.

iv) List the multiples of 7 between 10 and 40.

v) Find the value of 6 × 612 + 4 × 612.

vi) Find the rate percent per annum when

 Rs. 1250 yields Rs. 562.50 in 7$\frac{1}{2}$years.

vii) Find the fourth proportional to 2 , 3 and 6.

***SUBJECTIVE – 30(marks)***

**Solve any three of the following questions. 3×10=30**

**Q No1:Find the sales tax and total cost of a radio set whose list price is12,00. the rate of sales tax is 7%.**

**Q No2:An article is bought for Rs.300 and sold for Rs.315. Find the profit and profit per-cent.**

**Q No3:The ratio of two quantities is 7:12.If larger one in 84 , Find the other.**

**Q No4:The sum of two integers is – 129. If one of them is 150, find the other.**

**Q No5:Find the H.C.F of the 125, 475 and 650 by division method.**

**Q No6(a):Calculate the** $33\frac{1}{3}\%$ **of 12 liters.**

 **(b):Express 7.5% in decimals.**