Indranil Ghosh 10.11.18

FOR GOD AND COUNTRY

ST. LAWRENCE HIGH SCHOOL

3RD Term Exam – 2018

Sub: Mathematics | **Class: 5** | **F. M. : 90**

Duration: 2hrs 30 mins | **Model Answer** | **Date: 05.11.18**

Group – A

1. Choose the correct option for the following questions.(Answer all the questions) 5x1=5

i) XV is

a)4 b) 10 c)15 d) 25

Ans: c)15

ii) The roman numeral for 50 is?

a) L b)X c)V d) D

Ans: a)L

Iii) Which of the numbers is divisible by 2?

a) 1204 b) 5815 c) 3321 d) 1407

Ans: a)1204

iv)Which of the following is a prime number?

a) 1 b) 41 c) 57 d) 20

Ans: b)41

v) The HCF of 12 and 48 is?

a) 12 b)24 c)4 d)48

Ans: a)12

2. Fill in the blanks. (Answer all the questions) 5x1=5

i) The LCM of 15 and 3 is_____

Ans:15

ii) The tenth multiple of 10 is____

Ans:100

iii) 0.9 – 0.09 is_____

Ans:0.81

iv) ½ represents____ %

Ans:50%

1000cm=____m

v) Ans:10m

3. Write 'True' or 'False'.(Don't write 'T' or 'F'). (Answer all the questions) 5x1=5

i) The standard unit of weight is metre.
Ans:kg,False

ii) 1 k L =1000L
Ans:True

iii) The average of 20.5,0.5 is 10.
Ans:10.5,False

iv) On Celsius scale water freezes at 0° C
Ans:True

v) The hour hand goes around the clock once in 24 hours.
Ans:Twice,False

4. Match the following $5\times 1 = 5$

i)	2day	i)48hrs
ii)	1700 hrs	ii)14 days
iii)	Fortnight	iii)900 secs
iv)	15 mins	iv)0.006
v)	6/1000.	v)5 p.m

Ans:i) 2days. - i)48hrs

ii) 1700hrs. - v)5 p.m

iii) Fortnight. - ii)14days

iv) 15mins. - iii)900secs

v) 6/1000. - iv)0.006

5. Give one word answer $5\times 1 = 5$

i)Percent means ?
Ans:per hundred

ii)A number which gives us the central or middle value
Ans:Average

iii)The year which has 366 days
Ans:Leap year

iv)a.m stands for ?
Ans:ante meridian

v)Number which has more than two factors.
Ans:Composite number

Group – B

Answer all the questions $2\times 5 =$ **10**

6.Find the greatest and smallest number by using the digits 2,8,6,0,9

Ans:Greatest-98620,Smallest-20689

7.If a factory produces 51,297 dolls in a day,how many dolls will be produced in a leap year?

Ans:Leap year has 366 days.So number of dolls is 51297×366=18774702

8.Find the LCM OF 8,512

Ans: 2×2×2×2×2×2×2×2×2=512

9.What is the smallest number divisible by 20,25

Ans:LCM of 20,25=2×2×5×5=100

10. $32.841\div 9=$

Ans:3.649

$0.59\times 0.4=$

Ans:0.236

Answer any 5 questions $3\times 5 = 15$

11.Niel covered 50% of the distance from his home to the school which is 5km.How much distance did he cover?

Ans:50% of 5km is (50÷100)×5km=2.5km

12.Virat scored 74,85,96,45, and 60 runs in T20 matches.Find his average.

Ans: Average=(74+85+96+45+60)÷5=72

13.Add and substract 5 hours 25 minutes and 6 hours 45 minutes.

Ans:5 hrs 25mins+6 hrs 45 mins= 11 hrs 70 mins=12 hrs 10mins,

6 hrs 45 mins –5 hrs 25mins=1hr 20mins

14.Amir bought a box of pencils for ₹60 and sold it for ₹48.Did he make a profit or loss,and how much?

Ans: loss,loss=C.P-S.P=60-48=12 rupees

15.Ria has been asked to drink 8 glasses of water every day.Each glass contains 125m L .How many litres of water does she drink in a day?

Ans:125mL×8=1000mL=1L

16.Find the HCF,if the product of the two numbers is 720 and their LCM is 36

Ans:H.C.F=Product of two numbers÷L.C.M=720÷36=20

17.Sourav read 200 pages of a book of 600 pages.What per cent of the book has he read?

Ans: (200÷600)×100=33.33%

Answer any 8 questions $5\times 8 = 40$

18.Arrange the numbers in descending order 728076,36087,47068,18067.Write the largest and the smallest 6 digit number.

Ans:Descending order 728076>47068>36087>18067

Largest 6 digit number=999999,Smallest 6 digit number=100000

19.Write the numeral for Thirty-one lakh eleven thousand six hundred ninety two.Write 7,54,098 in words.Round off 55 to the nearest 10.

Ans:31,11,692,Seven lakh fifty four thousand ninety eight, 60

20.The sum of 75,23,625 and 22,34,374 is subtracted from 62,76,343.What is the difference that is obtained?Write all prime numbers from 50 to 100

Ans:61276343-(7523625+2234374)=61276343-9757999=51518344,

53,59,61,67,71,73,79,83,89,97

21.Find the HCF and LCM of 42,56,60

Ans:L.C.M=2×2×2×3×5×7=840. H.C.F=2

22.Mr.Anand has filled 12 L of petrol in his car.If 25% of the petrol is consumed,how much petrol still remains?

Ans:25% of 12L=(12÷100)×12=3L. So (12-3)=9L remains

23.Tickets for the latest movie were issued three weeks before the show opened on 21 March.On which date were the tickets first issued?Name two months which has 30 days

Ans:28th February, April,June,September, November

24.Samik sold a pair of shoes for ₹540.0.He suffered a loss of ₹41.50 in the deal.What was the cost price of the shoes?Which is a better deal 2 cakes for ₹420 or 5 cakes for ₹950

Ans:C.P=S.P+Loss=(540+41.50)=581.50 rupees.5 cakes cost 950 rupees ,1 cake costs 950÷5=190rupees

2 cakes for 420 rupees,so 1 cake cost 420÷2=210 rupees

As 190<210,so 5 cakes for 950 rupees is better

25.Surajit bought 8 notebooks for ₹92.How much will 13 notebooks cost?

Ans:1 notebook costs 92÷8=11.5 rupees.So cost of 13 notebooks=13×11.5=149.5rupees

26.Anirban used a 16m42cm long pole to measure the depth of a pond.If 9m44cm of the pole remained above the water level,What was the depth of the pond?Multiply 4m 5 dm 6cm 8mm by 12

Ans.Depth of pond 16m 42 cm-9m 44 cm=15m 142cm-9m 44cm=6m 98cm

4m 5dm 6cm 8mm=4.568m, 4.568×12=54.816m

27.Take any 2 co-prime numbers .Find out if the product of of their LCM and HCF is equal to the product of the

numbers.

Ans: Take any two numbers whose H.C.F(co-prime) is 1.Let's take 2 and 3.Their L.C.M is 6,H.C.F is 1.Product of 2,3=6

So,H.C.F×L.C.M=6=Product of two numbers 2 and 3