

NIMRA ACADEMY

FINAL SEMESTER 2022

Paper: Maths

Class: 7TH

SECTION 'A' (M.C.Qs)

Max:20

Choose the correct Answer:

1. $\{0,1,2,\dots\}$ is the set of ...number. (odd, natural, None)
2. $A \cap B$ when $A=\{a,b\}$ and $\{b,c\}$. (abc, b, None)
3. $\sqrt[3]{27} = \dots$ (3, 4, none)
4. Find the square root of 625. (12, 25, none,)
5. factorial of 5 is _____ (120, 60, 24)
6. $\{1,2,3,5,7,\dots\}$ is the set of ...number. (odd, natural, Prime)
7. ascending means _____ (big to small, small to big, none)
8. We use bracket for this sign _____ (+, \div , \times)
9. Two sides are same in..... Triangle. (Scalene, isosceles, equilateral)
10. _____ = _____ \times _____ = 676 (26, 6, 16)

SECTION 'B' Attempt Any 8 Questions

1. If $U=\{1,2,3,4,5,6\}$ $A=\{2,4,6\}$ and $B=\{1,3,5\}$ Find $A' \cup B'$ & $A' \cap B'$
2. $15\frac{1}{3} - \left[\frac{2}{3} \div \left\{ \left(\frac{5}{2} - \frac{1}{3} \right) \times \frac{3}{13} \right\} \right]$ simplify
3. $5(x+2)+3(x+4)=26$ find the value of "X" and also verify
4. Find the value of 'x' when $\frac{4x+3}{3}=9$ & also verify
5. A man got a prize of Rs 80000 out of it, he spent $\frac{1}{80}$ for the maintenance of his house and $\frac{1}{40}$ for new furniture. Find his balance amount?
6. $3(\sqrt{64} + \sqrt{729} - \sqrt{1024})$ simplify
7. 40 m/sec, 72km/hr find the ratio
8. Find a:b:c:d when a:b=3:4 b:c=5:7 and c:d= 4:9
9. Mr.Amjad brought 18 dozens of oranges at the rate of Rs 120 per dozen and sold them at the rate of 150 per dozen. Find the his profit or lost percentage?
10. A shopkeeper made a profit of 15% by selling a suck of suger for Rs 4500. Find the cost price?
11. A used Computer which cost Rs 8000 is sold at a loss of 15%. Find the selling price.

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Paper: Maths

Class: 6TH

Section 'B' MCQS

Q1. Fill in the blanks:

1. $3\sqrt{100}$ is written as _____ in decimal fraction.
2. In common fraction 0.237 is equal to _____
3. $7\sqrt{10}$ means _____
4. In 2.3017 the place value of digit 7 is _____
5. _____ is the decimal fraction of $5\frac{1}{2}$.
6. (-1) from (-81) = _____
7. (22) from (-40) = _____

Section 'B' MCQS

Q2: Add & Subtract any 2 of the following:

- a. (-9) from $(+7)$ b. (-5) make $(+4)$ c. (-1) add (-81)

Q3: Find the prime factor any 2 of the following: a. 256 b. 900 c. 1840

Q4: Find the G.C.D & L.C.M any 1 of the following: a. 36, 44, 72 b. 12, 14, 18

Q5: Find the G.C.D with division method any 1: a. 80, 100, b. 20 35, 45

Q6: Convert into decimal & Decimal into Fraction any 2 :

- a. $\frac{201}{100}$ b. $\frac{141}{8}$ c. 0.345

Q7: simplify any 1. a. $1\frac{3}{4} \times \left(\frac{4}{9} + \frac{1}{3}\right) \times \left(2\frac{1}{5} - 1\frac{1}{2}\right)$ b. $\left(\frac{4}{7} \div \frac{1}{14}\right) + \left(2\frac{1}{2} \div \frac{5}{2}\right)$

Q8: Words Problem any 1:

- a) The sum of two fraction is $9\frac{1}{4}$. If one of them is $3\frac{1}{2}$ then find other.

- b) Answer brought $5\frac{1}{2}$ kg of rice for 34.10. What was the cost of rice per kg.

Q9: any 1 If value of $a=2$, $b=3$, $c=4$, $d=0$ then find the value of expressions.

- a). $\frac{a}{b} + \frac{b}{c} + \frac{a}{c}$ b). $3a^2 + 2b^2 - 3d^2$

Q10: Add & multiple of any 2:

- a) $2y^2 \times 2y^5 \times 2z^2 \times 2z^3$ b) $3a^4 + 6a^4 + 3c^2 + 7c^2$ c) $2y^2 - 2y^2 - 2y^2 - 2y^2$

Q11: i) $3x + 1 = 40$ OR $\frac{4x}{3} + 1 = 13$ find value of x and also verify (any 1)

NIMRA ACADEMY

FINAL SEMESTER 2022

Paper: Computer

Class: 8TH

SECTION 'A' (M.C.Qs)

Max:

1. Wired Media is also called:
a) targeted media b) directed media
c) guided media d) unguided media
2. Communication system is made up of
a) three components b) four components
c) five components d) six components
3. Both Physical and Logical addresses are:
a) different b) unique
c) permanent d) temporary
4. If you are an electrical or electronic engineer, you should join:
a) IEEE b) IETF
c) ITU d) ANSI
5. The topology in which all computers are connected to a central device called hub is:
a) Bus b) Star
c) Ring d) Tree

SECTION 'B' Short Q/A Any 5

Max:

1. Difference between Analog & Digital (any 3 points)
2. Difference between Bit Rate & Baud Rate (any 3 points)
3. Define Properties of a Good Communication System (any 2 points)
4. Difference between Physical & Logical Address (any 3 points)
5. Define Data and Data Communication
6. Define Component of a Communication System i) Sender ii) Receiver
7. Define Transmission Impairments Attenuation.
8. Define Web Hosting & Web Server

SECTION 'B' Short Q/A Any 3

Max:

No	Student Name	Courses
1	Nikunj	B.com
2	Ankit	Bsc.it
3	Sagar	Bca

1.

- Coffee 1. Coffee
- Tea 2. Tea
- Milk 3. Milk

3.

Define Unorder & Order List in Coding

4. Define Network Architecture (any 4 layers)

1. Linux

1. Ubuntu
2. Kali Linux
3. Red Hat

2. Windows

1. Windows 7
2. Windows 10

3. Mac

4. Android

2.