Total Marks: 40
Time Allowed: 1 Hour

General Awareness (10 Questions, 20 Marks)

Each question carries 2 marks.

1. **Who was the first woman to become the Prime Minister of India?**
   a) Indira Gandhi
   b) Sarojini Naidu
   c) Pratibha Patil
   d) Kalpana Chawla
2. **Which country is known as the "Land of the Rising Sun"?**
   a) China
   b) Japan
   c) Thailand
   d) South Korea
3. **Which is the largest desert in the world?**
   a) Sahara
   b) Gobi
   c) Kalahari
   d) Arctic Desert
4. **Who was the first President of India?**
   a) Dr. Rajendra Prasad
   b) Sardar Vallabhbhai Patel
   c) Jawaharlal Nehru
   d) Dr. B.R. Ambedkar
5. **Which layer of the Earth lies between the crust and the core?**
   a) Lithosphere
   b) Mantle
   c) Asthenosphere
   d) Mesosphere
6. **Which is the smallest ocean in the world?**
   a) Indian Ocean
   b) Southern Ocean
   c) Arctic Ocean
   d) Atlantic Ocean
7. **Who discovered the law of gravitation?**
   a) Isaac Newton
   b) Galileo Galilei

c) Albert Einstein

d) Johannes Kepler

8. **Which gas is most abundant in Earth's atmosphere?**

   a) Oxygen

   b) Nitrogen

   c) Carbon Dioxide

   d) Argon

9. **What is the official language of Brazil?**

   a) English

   b) Spanish

   c) Portuguese

   d) French

10. **Which ancient civilization built the Pyramids of Giza?**

    a) Mesopotamians

    b) Egyptians

    c) Mayans

    d) Romans

Mathematics (10 Questions, 20 Marks)

Each question carries 2 marks.

1. **Simplify: 24÷4+5×324÷4+5×3**

   a) 39

   b) 21

   c) 18

   d) 27

2. **Solve for xx: 5x−3=225x−3=22**

   a) 5

   b) 6

   c) 7

   d) 4

3. **A triangle has sides measuring 7 cm, 24 cm, and 25 cm. What type of triangle is it?**

   a) Equilateral

   b) Isosceles

   c) Right-angled

   d) Scalene

4. **What is the area of a rectangle with length 12 cm and breadth 8 cm?**

   a) 96 cm²

   b) 100 cm²

   c) 120 cm²

   d) 144 cm²

5. **The sum of two consecutive odd numbers is 36. What are the numbers?**

   a) 17 and 19

b) 15 and 21

c) 18 and 20

d) 19 and 21

6. **Find the HCF of 36 and 48.**

a) 12

b) 6

c) 18

d) 24

7. **If the radius of a circle is 7 cm, find its circumference. ($\pi=\frac{22}{7}\pi=\frac{72}{2}$)**

a) 44 cm

b) 14 cm

c) 22 cm

d) 50 cm

8. **What is the square root of 256?**

a) 14

b) 16

c) 18

d) 12

9. **A train travels 240 km in 4 hours. What is its speed in km/h?**

a) 60 km/h

b) 40 km/h

c) 80 km/h

d) 100 km/h

10. **A man buys a pen for ₹15 and sells it for ₹20. What is his profit percentage?**

a) 20%

b) 25%

c) 30%

d) 33.33%