## ENGLISH

**1. ANSWER THE FOLLOWING QUESTIONS GIVEN BELOW:**

1. Why did Mr. Bond's barsati remain private?
2. How did the king and queen reacted to the death of Princess September`s parrot?
3. Why did the king name the princesses after the months of the year?
4. State the two ambitions of Granddad Lewis?
5. Describe the character sketch of Princess September.
6. What was the reason behind Princess September`s sadness?

**2. Choose the correct form of the verb to complete the sentence:**

One of the reasons why university students fail in English is because they a) __ (not, speak) the language regularly with friends or parents. Another reason is that they b) __ (rarely, read) English novels or stories to improve their grammar and vocabulary. In addition, they c) __ (not, take) the subject seriously. As a result, they d) __ (still, not, acquire) proficiency in the language.

**3. Fill in the blanks with correct alternatives from the options given below:**

i. This book contains a large number of pictures:

   A large number of pictures_____in this book.

   (a) is contained            (b) is contain

   (c) are contained           (d) are contain

ii. The sun gives heat and light.

   Heat and light_____by the sun.

   (a) is given                (b) is gave

   (c) are given               (d) are gave

iii. I know her address.

   Her address_____.

   (a) is known to me          (b)was known by me

   (c) is knowing by me        (d)was knew by me

iv. She secured forty percent marks.

Forty percent marks

(a) are secure by her        (b) are secured by she

(c) were secured by her     (d) is secured by her

4. **Change the following into <u>PASSIVE VOICE</u>.**

i. When did you post the letter?     ii. Somebody stole my purse

iii. A bus knocked him down.      iv. Did the servant break the jug?

5. **Fill in the blanks with suitable determiners given in the brackets:**

a. Can I get _____ hit bowl of soup. (a /an)

b. Is there _____food left in the fridge? (many/any)

c. _____books are missing from the library. (any / some)

d._____ people have car. (a few/ a little)

# हिंदी

1 सही उत्तर हेतु विकल्प का चुनाव कर लिखिए-

(क) 'समीर' का पर्याय है-

(अ) भू        (ब) धरा        (स) धरती        (द) वायु

(ख) 'सज्जन' का विलोम होगा-

(अ) दुर्गुण      (ब) दुर्जन      (स) दुर्भाग्य      (द) रानी

(ग) 'अंबर' पहनकर मुझे अच्छा लग रहा है'-रेखांकित का क्या अर्थ है?

(अ) कपड़ा     (ब) तौलिया     (स) आसमान     (द) धरती

(घ) 'राम के भाई का ------------------ हो गया।' -खाली स्थान में विकल्प से चुनकर सही शब्द भरें-

(अ) निर्धन     (ब) निधन     (स) जन्म     (द) मृत्यु

(ङ) 'जो कहने योग्य हो' वाक्यांश के लिए एक शब्द चुनकर लिखें -

(अ) दूधवाला     (ब) दत्तक     (स) कथनीय     (द) चरवाहा

2 निम्न प्रश्नों के उत्तर प्रश्नानुसार दीजिए-

(क) 'रावण ने राम ---------------- किया।'-खाली स्थान में प्रयुक्त होने वाले सही शब्द को चुनकर लिखें-

(अ) हत्या     (ब) वध     (स) उपहास     (द) परिहास

(ख) निम्न प्रश्नों के उत्तर प्रश्नानुसार दें -

(अ) 'कम या गैर' उपसर्ग से निर्मित कोई एक शब्द लिखें।

(ब) 'रंगीला' में प्रयुक्त हुए प्रत्यय को लिखिए ।

(स) 'सप्त ऋषियों का समाहार' के लिए समस्तपद अथवा 'भला-बुरा' का समास विग्रह करके लिखिए।

(द) 'उसकी ----------------मुझसे देखि नहीं जाती।' (कठोर)-कोष्ठक में दिए गए शब्द से भाववाचक संज्ञा बनाकर रिक्त स्थान की पूर्ति करो।

3 निम्न प्रश्नों के उत्तर प्रश्नानुसार दीजिए-

(क) 'मालिन ने पौधों में ठीक से पानी नहीं दिया'-रेखांकित का लिंग बदलकर वाक्य दोबारा लिखिए।

(ख) 'उसके सर पर कई बाल हैं'-रेखांकित का वचन लिखिए।

(ग) 'गीता -----------अपने इत्र -------इस तरह से बात नहीं करनी चाहिए थी'- खाली स्थानों को उचित कारक चिह्नों से भरें।

(घ) 'उपन्यास पढ़ना' भाषा का कौन-सा रूप है-उत्तर हेतु सही विकल्प का चुनाव करें-

  (अ) सांकेतिक          (ब) मौखिक          (स) लिखित          (द) इनमें से कोई नहीं

(ङ) 'रीना' अथवा 'गोपाल ' का वर्ण-विच्छेद कर लिखिए।

                अथवा

   'विद्या + आलय' का संधि कर लिखिए।


4  निम्न में से किन्हीं चार प्रश्नों के उत्तर दीजिए-

(क) जरासीम मॉस्को वापस क्यों आया था?

(ख) बलकरन अपने जन्मदिन पर क्या और क्यों कर रहा था ?

(ग) झाँसी का कोई वारिस ना रहने पर कौन खुश हुआ?

(घ) लेखक को वास्तव में क्या हुआ था उसकी पत्नी ने उसके लिए क्या उपाय सुझाया?


5 अपने पिता के साथ किसी क्रिकेट मैच के सम्बन्ध में ५०-६० शब्दों में संवाद लिखें


# संस्कृत
## दत्त कार्य


**1. संस्कृत भाषायां खगानां नामानि लिखत ।**

(क) कौआ                    (ख) शुक:

(ग) बक:              (घ) मयूर:

(ङ) चटका             (च) उलूक:


**2. एकपदेन उत्तरत -**

(क) भारतसर्वकार: अब्दुल कलामै किं दत्तवान् ?

(ख) धेनु: कीदृशवर्णा वर्तते ?

(ग) मधुकरा: किं कुर्वन्ति ?

(घ) प्रात: क: उदयति ?


**3. संख्यावाची शब्दा: लिखत।**

(क) 45                    (ख) 40

(ग) 38              (घ) 42

(ङ) 36              (च) 48

**4. संस्कृत भाषायां अर्थ: लिखत।**

(क) सज्चिका          (ख) उपनेत्रम्

(ग) पात्रम्          (घ) घर्षक:

(ड) तूलिका          (च) स्यूतम्

**5. संस्कृत भाषायां व्यञ्जनानाम् नामानि लिखत।**

(क) रसगोल:          (ख) अवदन्श:

(ग) चायं      (घ) मोदकं

(ड) उपदन्श:          (च) दाधिकम्

**6. राम (अकारान्त) शब्दस्य रूपं लिखत I**

**7. षड् अन्नानि नामानि लिखत।**

# MATHEMATICS

Q1.  Find the square root of 729 using factorisation method.

Q2. Find the smallest whole number by which 1008 should be multiplied so as to get a perfect square number. Also, find the square root of the square number so obtained.

Q3. Find the square root of 42.25 using long division method.

Q4.  Find the cube root of 13824 by prime factorisation method.

Q5. Find the smallest number by which 192 must be divided to obtain a perfect cube.

Q6. An article is marked at ₹ 940. If it is sold for ₹ 799, then find the discount per cent.

Q7. Find the amount if ₹ 2,000 is invested for 2 years at 4% p.a. compounded annually.

Q8. The cost of a pair of shoes at a shop was Rs. 450. The sales tax charged was 5%. What is the bill amount?

# SCIENCE

Q1. Fill in the blanks:

a) Push or pull is called _____

b) A _____ can change the state of motion of an object

c) Force has both magnitude and _____

d) Coal is made up of _____

e) The unit of force is _____ .

f) The unit of loudness of a sound wave is _____.

g) The more the area in contact, the _____ will be the pressure exerted by the object.

h) Sound produces _____.

Q2. If two forces of 5 N and 3N are acting on a body in same direction the resultant force will be _____.

If two forces of 5 N and 3N are acting on a body in opposite direction the resultant force will be_____.

Q3. Look at the figure and then answer :

Force Applied

Direction of Motion of Car

On applying the force in the given direction , the speed of the car will Force Applied Direction of Motion of Car A) Remain Constant

B) increase first then decrease

C) Decrease only

D) Decrease first then increase

Q4. What do you understand by audible and inaudible sound range of humans?

Q5. Give two examples of:

a) Rare species

b) Endemic species

c) Extinct species

d) Endangered species.

Q7. What is electroplating? Mention its uses.

Q8. What does the following stands for:

a) IUCN

b) IBWL

c) MAB

d) WWF

Q9. Draw a well labelled diagram of electrolysis.

## SOCIAL SCIENCE

A. **Multiple Choice Questions (MCQs)**

1. Which of the following is the presiding officer of the Lok Sabha?

   a) The Prime Minister

   b) The President

   c) The Speaker

   d) The Vice President

2. Who appoints the judges of the Supreme Court of India?

   a) The Parliament

   b) The Prime Minister

   c) The President

   d) The Chief Justice of India

3. Which of the following crops is a Rabi crop?

   a) Rice

   b) Wheat

   c) Maize

   d) Cotton

4. The Revolt of 1857 is also known as:

   a) The Sepoy Mutiny

   b) The First War of Independence

   c) The Civil Disobedience Movement

   d) The Non-Cooperation Movement

5. The main reason for the introduction of the Permanent Settlement in Bengal was:

   a) To modernise agriculture

   b) To generate revenue for the British

   c) To promote industrialisation

   d) To provide relief to farmers

B. **Short Answer Questions**

1. Explain the functions of the President of India.

2. Describe the role of the judiciary in protecting the rights of citizens.

3. Discuss the impact of the Revolt of 1857 on British policies in India.

C. **Assertion and Reasoning Questions**

Each question consists of two statements: one labeled as Assertion (A) and the other as Reason (R). You are to examine these two statements carefully and select the correct answer from the options provided below:-

1. Assertion (A): The Lok Sabha is more powerful than the Rajya Sabha.

   Reason (R):The Lok Sabha has the power to pass money bills.

a) Both A and R are true, and R is the correct explanation of A.

b) Both A and R are true, but R is not the correct explanation of A.

c) A is true, but R is false.

d) A is false, but R is true.


2. Assertion (A): The Green Revolution led to an increase in agricultural production in India.

Reason (R): The Green Revolution introduced high-yielding varieties of seeds and modern agricultural practices.

a) Both A and R are true, and R is the correct explanation of A.

b) Both A and R are true, but R is not the correct explanation of A.

c) A is true, but R is false.

d) A is false, but R is true.


## INFORMATION TECHNOLOGY (IT)


1. What does AI stand for?

a) Artificial Intelligence          b) Advanced Imaging

c) Automated Innovation          d) Adaptive Interface

2. Which of the following is an application of AI?

a) Web browsing          b) Image editing

c) Virtual assistants          d) All of the above

3. What is the term for a computer program that can think and learn like a human?

a) Machine Learning          b) Deep Learning

c) Neural Network          d) Intelligent System

4. What is Adobe Photoshop used for?

a) Creating documents          b) Editing images

c) Making videos          d) Designing websites

5. Which tool is used to select a specific part of an image in Photoshop?

a) Brush tool                                    b) Selection tool

c) Crop tool                                     d) Move tool

6. What is the term for adjusting the brightness and contrast of an image in Photoshop?

a) Image editing                                 b) Photo enhancement

c) Color correction                              d) Image manipulation

**Read the following paragraph and answer the questions that follow:**
As a freelance photographer, Emily needed to edit her latest photoshoot for a client. She opened Adobe Photoshop and imported the selected images. She started by adjusting the exposure and contrast to enhance the overall look. Next, she used the healing brush tool to remove blemishes and imperfections from the subject's skin. Emily then experimented with different filters and effects to add a unique touch to the photos. Finally, she cropped and resized the images to fit the client's requirements. With Photoshop's intuitive interface and powerful tools, Emily was able to transform her photos into stunning works of art.

1. What software did Emily use to edit her photos?
a) Adobe Illustrator                    b) Adobe Photoshop
c) Adobe InDesign                       d) Adobe Premiere Pro
2. What tool did Emily use to remove blemishes from the subject's skin?
a) Healing brush tool                   b) Crop tool
c) Transform tool                       d) Pen tool
3. Why did Emily adjust the exposure and contrast of the image?
a) To add more colors to the image              b) To remove blemishes from the subject's skin
c) To enhance the overall look of the image     d) To crop the image
4. What did Emily use to add a unique touch to the photos?
a) Filters and effects               b) Layer blending modes

c) Opacity control                   d) Transform tool


# **ARTIFICIAL INTELLIGENCE**

Section A: Multiple Choice Questions

1. What is the primary goal of Smart Cities?

a) To reduce energy consumption             b) To improve traffic flow

c) To enhance quality of life               d) To increase economic growth

2. Which SDG is directly related to AI-powered education?

a) SDG 1: No Poverty

b) SDG 4: Quality Education

c) SDG 7: Affordable and Clean Energy

d) SDG 13: Climate Action

3. How can AI contribute to achieving SDGs?

a) By increasing energy consumption

b) By improving data analysis

c) By reducing economic growth

d) By enhancing human rights

4. What is the role of AI in addressing global challenges?

a) To increase global warming

b) To reduce economic inequality

c) To enhance human rights

d) To address complex problems

5. What is the benefit of using AI in Smart Homes?

a) Increased energy consumption

b) Improved security

c) Enhanced entertainment

d) Reduced waste management

6. Which of the following is an example of an AI-powered Smart City initiative?

a) Smart Traffic Management System

b) Smart Energy Grid

c) Smart Water Management System

d) All of the above

7. How can AI improve access to education?

a) By increasing tuition fees

b) By providing personalized learning

c) By reducing teacher training

d) By enhancing school infrastructure

8. What is the potential risk of using AI to address global challenges?

a) Job creation

b) Increased efficiency

c) Bias and discrimination

d) Reduced costs

9. Which SDG is indirectly related to AI-powered healthcare?

a) SDG 1: No Poverty

b) SDG 3: Good Health and Well-being

c) SDG 7: Affordable and Clean Energy

d) SDG 13: Climate Action

10. How can AI enhance human rights?

a) By reducing freedom of speech

b) By increasing access to information

c) By enhancing privacy

d) By reducing economic inequality

Section B: Short Answer Questions

1. What is a Smart City? Give an example.

2. How can AI be used in schools to improve learning outcomes?

3. What is a Smart Home? List two benefits of having a Smart Home.

4. What are Sustainable Development Goals (SDGs)? List two examples.

5. How can AI contribute to achieving SDGs?

6. What is the role of AI in addressing global challenges?