## Admission Test (Sample Question Paper)
### Class: 10th

**Time: 2½ hrs.**                                                                                     **M.M. 80**

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### [Section-A (English)]                                                    [M.M. 20]
#### [Reading Section-10 Marks]

**Q.1** **Read the following passage carefully and answer the questions that follow:**

I was 18 and broke. Mrs. Link needed help. Apparently, I was the one for the job. I worked for six hours. Mrs. Link showed me how to plant bulbs, what flowers and weeds to pull out and where to haul the dried plants. I finished off the day by mowing the lawn with a mower that looked like an antique, but worked like brand new. When I had finished, Mrs. Link gave me a cheque for three dollars. The next week I cleaned Mrs. Link's house. She showed me exactly how to vacuum her antique Persian rug with her antique looking vacuum cleaner.

Some weeks I got to be a chauffeur. The last gift to Mrs. Link from Mr. Link was a glorious new car. Mrs. Link's car was 30 years old but still glorious. An year and a half passed since I met Mrs. Link. School work and Church were taking up more of my time, I saw Mrs. Link seldom. On Valentine's Day, I self-consciously presented Mrs. Link a small bouquet, which she graciously accepted. A couple of months later, I visited Mrs. Link again. Centred on her mantelpiece, in her living room full of beautiful things, stood my wilted and faded Valentine's Day bouquet-the only Valentine Mrs. Link had received that year.

**I. Answer the following question:**

*a*) Mention any two jobs assigned to the writer.

*b*) Do you think that the writer and Mrs. Link had a good rapport?

**II. On the basis of your reading of the passage, complete the statement.**
*a*) For an year and a half the writer was not able to meet Mrs. Link because_____ .
*b*) The writer presented a token of love to Mrs. Link _____ .

**III. On the basis of your reading of the passage, complete the statement.**
*a*) For an year and a half the writer was not able to meet Mrs. Link because_____ .
*b*) The writer presented a token of love to Mrs. Link _____ .

**III.Find words from the passage which mean the same as:**
*a*) Historic
*b*) Courteously                                                                                     **[5]**

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**Q.2** **Read the passage carefully and answer the questions that follows:**

The Kurukshetra war was interminable, with men and beasts being killed on both sides. The Pandavas realized that they could not win the war unless Drona, their teacher in the art of war, was defeated. But no one could defeat him fairly. Only one thing would dishearten and disarm Drona, the news that his son Aswathama had been killed. And so, as planned earlier, on the fifteenth day of the war, Bhima killed a huge elephant called Aswathama and roared, "I have killed Aswathama." Drona heard this roar and thought that his son has been killed. To make double sure that what he had heard was true, he asked Dharmaputra on the Pandava side, "Is it true that my son has been killed ?" Drona knew that Dharamputra, the incarnation of Dharma (righteousness), would not tell a lie. But the war had to be won. So, Dharamputra shouted at the top of his voice, "Yes, Aswathama has been slain." He added in a low voice that could not be heard above the din of the battle, "Aswathama, the elephant." Drona believed that his son had been killed and so lost all interest in the battle and sat down in his chariot in a yoga posture. Immediately, the eldest brother of Panchali killed Drona. Dharamputra made himself and others believe that he did not tell a lie. For he thought that he had also said, though in a low voice, that Aswathama, the elephant, was killed. But any statement you make with the intention of cheating other is a lie; nothing less. The very moment Dharamputra uttered that one lie, his chariot whose wheels always stood and moved some four inches above the ground came down and touched the ground. He was punished for telling a lie.

**Complete the following sentences:**

*a*) The Pandavas realised that they could not win the war unless _____ .

*b*) 'Aswathama' whom Bhima killed was actually _____ .

*c*) The eldest Pandava was called Dharmaputra because _____ .

*d*) Dharmaputra's chariot came down and touched the ground as a punishment for _____ .

*e*) The word in the passage which means the same as 'killed' is _____ .　　　　　　**[5]**

## [Writing Section- 7 Marks]

**Q.3** You are Pratap/Pratibha. You dream and aspire to make your country a superpower in the years to come. Write an article for the school magazine to inspire the present generation to serve their country. Use hints given below:

*a*) Avoid going abroad

*b*) Use talent to develop country

*c*) Feel proud to be an Indian

*d*) Better sanitation

*e*) Improve standard of living

*g*) To imbibe higher social values and corruption.　　　　　　**[7]**

Q.4 Rearrange the words and phrases to form meaningful sentences.

*a*) National/hockey/India/is the/sport of

*b*) friends/I/my/were/grand mother/and good

*d*) always/with/school/she/me/to/went                                      [3×½=1½]

Q.5 **Fill in the blanks with the correct options from those given below:**          [3×½=1½]

Millions of people (a) _____trouble getting enough sleep. Recent research links lack (b) _____sleep to health problems ranging (c) _____ hypertension to weight gain.

*a*)  (i) have      (ii) has      (iii) are      (iv) is

*b*)  (i) of       (ii) from     (iii) with     (iv) in

*c*)  (i) with      (ii) in       (iii) from     (iv) as

# *[Section-B (Hindi)]*

**[M.M. 20]**

प्र०1 गद्यांश को पढ़कर दिए गए प्रश्नों के उत्तर लिखिए–

बौद्ध दर्शन में स्तूपों और विहारों का विशेष महत्व है। बौद्ध भिक्षु इनका उपयोग मुख्यतः उपासना, पूजा–अर्चना तथा ध्यान इत्यादि के लिए किया करते थे। गोरखपुर–वाराणसी खंड पर स्थित सारनाथ विश्व का प्रमुख बौद्ध केन्द्र है। भगवान बुद्ध ने यहाँ से बौद्ध धर्म का प्रवर्तन किया था। उन्होंने अपने पाँच शिष्यों को सर्वप्रथम यहीं पर उपदेश दिया था। यहाँ अनेक बौद्ध मंदिर, स्मारक एवं स्तूप हैं। ध्यान लगाकर सुना जाय तो लगता है दिल की धड़कनों के साथ "बुद्धम्–शरणं गच्छामि, धम्मम्–शरणं–गच्छामि, संघम्–शरणं गच्छामि" की ध्वनि आज भी सारनाथ के कण–कण में गूँज रही है। बौद्ध केन्द्र के रूप में सारनाथ का अपना ही अद्भुत आकर्षण है। बनारस पहुँचने वाले विरले ही पर्यटक होंगे जो सारनाथ के सम्मोहन में खिंचे न चले आते हों। श्रावण मास के प्रत्येक सोमवार को यहाँ मेला लगता है।

(क) बौद्ध दर्शन में किन चीज़ों का विशेष महत्व है?                               **[2]**

(ख) सारनाथ किस कारण से प्रसिद्ध है?                                          **[2]**

(ग) सम्मोहन में खिंचे आने से आप क्या समझते हैं?                               **[2]**

(घ) भगवान बुद्ध का सारनाथ से क्या संबंध है?                                   **[2]**

(ङ) **(i)** 'उपयोग' शब्द का विलोम लिखो।                                      **[1]**

        **(ii)** 'उपयोग' शब्द में 'ई' प्रत्यय लगाकर नया शब्द बनाइए।                    **[1]**

प्र०2 निम्नलिखित में से किसी एक विषय पर संकेत बिन्दुओं पर आधारित 150–200 शब्दों में निबन्ध लिखिए–**[10]**

    (क)  समय का महत्त्व

        1. विद्यार्थी जीवन में समय का महत्त्व

        2. समय से अनुशासन

3. समय का नियोजन

4. अच्छी आदतों का विकास

5. भविष्य में होने वाले लाभ

(ख) प्राकृतिक आपदाएँ एवं आपदा प्रबंधन

1. विभिन्न प्रकार की आपदाएँ

2. कारण तथा हानियाँ

3. आपदा प्रबन्धन का अर्थ व आवश्यकता

4. निष्कर्ष

(ग) पर्यटन का महत्त्व

1. पर्यटन का अर्थ– मानव का जिज्ञासु होना

2. पर्यटन से लाभ

3. पर्यटन एक उद्योग

4. पर्यटन को बढ़ावा देने का प्रयास

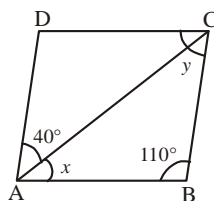5. उपसंहार

# *[Section-C (Mathematics)]* [M.M. 20]

**Q.1. Do as directed:**

*a)* $a - b^3 =$ _____ .

*b)* Volume of sphere = _____.

*c)* If (1, –1) is a solution of the linear equation $x - 3y = -k$. Find the value of $k$.

*d)* In quadrilateral ABCD, $\angle A + \angle D = 180°$ . Then the quadrilateral is called _____ .  **[4×1=4]**

**Q.2. Solve the following:**

*a)* Evaluate using suitable identity $(104)^3$.

*b)* Check whether $x = -2$ and $y = 6$ is a solution of $3(x–2) + 2(y +3) = 6$. Find one more solution.

*c)* In the given figure ABCD is a parallelogram with $\angle B = 110°$ . Find the values of $x$ and $y$.

*d*) The length, breadth and height of a cuboid are 8m, 6m and 4m resp. Find its total surface area.

*e*) Find the volume of the right circular cone with radius 6cm and height 7cm. **[5×2=10]**

**Q.3 Find the solution:**

*a*) Factorize: $2x^2 - 7x - 15$

*b*) If the curved surface area of a cylinder is 1760cm$^2$ and its base radius is 14cm. Then find its height.

**[2 × 3 = 6]**

# [Section-D (Science)]

**[M.M. 20]**

**Q.1** Write the value of universal gravitational constant [G]. **[1]**

**Q.2** What is difference between $2C\ell$ and $C\ell_2$? **[1]**

**Q.3** State law of conservation of energy. **[1]**

**Q.4** Define power. Give its SI Unit. **[1]**

**Q.5** Write two differences between longitudinal and transverse waves. **[2]**

**Q.6** What is soil erosion? What are two method of preventing or reducing soil erosion? **[2]**

**Q.7** Write two differences between speed and velocity. **[2]**

**Q.8** Define following:

*a*) Diffusion

*b*) Osmosis **[2]**

**Q.9** Write four differences between plant cell and animal cell. **[2]**

**Q.10** Define Newton's II$^{nd}$ law of motion. Give two examples where II$^{nd}$ law of motion is seen in everyday life. **[3]**

**Q.11** Write three differences between distance and displacement. **[3]**