



Admission Test (Sample Question Paper)

Class: 9th

Time: 2½ hrs.

M.M. 80

[Section-A (English)]

[M.M. 20]

Q.1. Read the given passage carefully and answer the question that follow:

Eagles are birds of prey. The Tawny Eagle is a large bird of prey which is about 62 to 72 cms in length and has a wingspan of 165–185cms. It usually weighs 1.6 to 2.4 kgs. Like all other eagles, it belongs to the family Accipitridae.

It mostly breeds in many parts of Africa, both north and south of Sahara Desert and across the tropical region from south-western Asia to India. It lays one to three eggs in a stick nest in a tree, crag or on the ground. Throughout its range, it favours open dry habitats like semi-desert, desert, steppes or savannah plains.

These eagles are large with tawny upper parts and blackish flight feathers and tail whereas the lower back is very pale. When compared to the Steppe Eagle, this species is paler and smaller.

The call of the Tawny eagle is a crow-like barking, though it is a silent bird most of the time. It eats largely fresh carrion of all kinds. It also kills small mammals like rabbits, reptiles and birds as big as a guinea fowl.

Questions

- What is the length of the Tawny Eagle and how much does the wingspan measure?
- To which family does the Tawny Eagle belong?
- In what kind of habitat are these eagles found?
- In which regions do the Tawny eagles mostly breed?
- Describe the appearance of the Tawny eagle. [5]

Q.2 Write a paragraph in about 60-80 words: (Any one)

- A Visit to a Zoo
- The Importance of Newspapers. [5]

Q.3 Write a letter to your father expressing your happiness on being selected as the captain of School Cricket Team.

Or

Write an application to your Principal requesting him to grant you full scholarship.

[6]

Q.4 Fill in the blanks with-ing,-en or-ed form of verbs given in brackets.

- a) The _____ vase was thrown in the dustbin. (break)
b) Anamika was good at _____. (sketch)
c) _____ is what she enjoys the most. (sing)
d) The _____ man was rushed to the hospital. (injure)

[4]

[Section-B (Hindi)]

[M.M. 20]

प्र०1 गद्यांश को पढ़कर नीचे दिए गए प्रश्नों के उत्तर दो—

हमारी बहुत-सी समस्याएँ बिना विचारे कार्य करने का ही परिणाम होती हैं। बिना विचारे कार्य करने से हमें सदा चिंतित एवं अवसन्न होकर अकथनीय कष्टों से अपने जीवन को अभिपूरित कर लेते हैं। अविचारित कार्य करके हम मन ही मन पछताते रहते हैं, किन्तु उसका कोई लाभ नहीं होता। कभी-कभी अविचारित कार्यों को करने से पहले मानव कभी यह अनुभव नहीं करता कि अविचारित कार्य का दुष्परिणाम उसके लिए विनाशक हो सकता है। विचारपूर्वक कार्य करने वाला ही यह जान सकता है कि कर्तव्य क्या है और अकर्तव्य क्या है कर्तव्य-अकर्तव्य का विवेक रहने से ही मानव कर्म के साथ ज्ञान या बुद्धि का मेल बैठाता है और परिणामस्वरूप अविचारित कर्म के विनाशक परिणामों से बच जाता है। इसलिए सुविचारित कर्म करना ही मानव का सर्वोत्कृष्ट कर्तव्य है। इसी के आधार पर जीवन को संपूर्ण, सबल और प्रभावशाली बनाया जा सकता है।

(क) बिना विचार कार्य करने वाले मानव के साथ जीवन में क्या होता है?

(ख) विचारपूर्वक कार्य करने का क्या परिणाम होता है?

(ग) मानवजीवन का सर्वोत्कृष्ट कर्तव्य क्या है?

(घ) 'अकथनीय' में मूल शब्द तथा प्रत्यय अलग करें।

(ङ) 'सर्वोत्कृष्ट' का सन्धि विच्छेद करें।

[10]

प्र०2 दिए गए संकेत बिन्दुओं के आधार पर निम्नलिखित विषयों में से किसी एक विषय पर 200 से 250 शब्दों में एक निबंध लिखिए—

[10]

(क) मेरे जीवन का लक्ष्य

1. जीवन में लक्ष्य की आवश्यकता
2. मेरा लक्ष्य-लेखक बनना
3. मेरी प्रेरणा का आधार
4. मेरे स्वयं के प्रयास
5. उपसंहार

(ख) विद्यार्थी और अनुशासन

1. भूमिका
2. अनुशासन का महत्त्व
3. अनुशासनहीनता के कारण
4. उपसंहार

[Section-C (Mathematics)]

[M.M. 20]

Q.1. a) The multiplicative inverse of $\left(\frac{a}{b}\right) =$

b) Find the value of x in the linear equation:

$$2x - 13 = 7$$

c) Find square root of 256.

d) Complete the identify: $a^2 - b^2 =$

[4×1=4]

Q.2. a) Find the product $(2P + 1)(4P + 3)$

b) Find the area of a rhombus whose diagonals are of lengths 20cm and 8.2cm.

c) Find any three rational number between $\frac{1}{4}$ and $\frac{1}{2}$.

d) Solve for y:

$$8y + 4 = 3(y - 1) + 7$$

e) Find the cube root of 64.

[5×2=10]

Q.3. a) Find the height of a cylinder whose radius is 10cm and the total surface area is 2420 cm^2 .

b) Find the side of a cube whose surface area is 600 cm^2 .

[2×3=6]

[Section-D (Science)]

[M.M. 20]

(1 mark questions)

Very short answer type question:

Q.1 Write the name of two soft metals which can be cut with a knife.

Q.2 Which liquid metal is used for making thermometers?

Q.3 Which part of the cell contains organelles?

Q.4 Which optical instrument will you use to study cell?

Q.5 Write the name of sound producing organ in humans.

(2 mark questions)

- Q.6** A pendulum oscillates 40 times in 4 seconds. Find its time period and frequency.
- Q.7** Write the name of force acting on a plastic bucket containing water held above ground level in your hand. Why the force acting on the bucket do not bring a change in its state of motion?
- Q.8** Write any two sources which causes air pollution.
- Q.9** Does any part of our body vibrate when we speak? Write the name of the part.
- Q.10** Write any two musical instruments which produces sound by vibrating string.

(5 mark questions)

- Q.11 a)** Write six differences between metals and non-metals. [3]
- b)** Explain why chloroplast is found only in plant cell? [2]