SAEVUS
Eco-Achievers
Olympiad

Official Knowledge Partner

भारतीय वन्यजीव संस्थान
Wildlife Institute of India

In association with

classmate

Instructions

NEW Marking Scheme and Evaluation Format

Total marks for the examination: 70

Total time duration for the examination:
1 hour and 30 minutes

Breakup of questions:

SECTION I: OBJECTIVE

Duration: 1 hour
44 MCQ QUESTIONS: Each question bears 1 mark each, there are 6 Leaf marked questions which bear 2 marks each.

Total marks for SECTION I is 50

These 6 sub-heads for SECTION I are as follows:
Flora – Plant life; 9 questions including 1 Leaf question
Fauna – Animal life; 9 questions including 1 Leaf question
Terra – Geography and environment ; 9 questions including 1 Leaf question
Aqua – Aquatic life and water bodies; 4 questions including 1 Leaf question
thInQ – Logical reasoning; 4 questions including 1 Leaf question
Mixed Bag – General awareness on environment and natural world; 9 questions including 1 Leaf question

All questions are multiple choice questions with four options – A, B, C and D Mark the correct or most appropriate answer in the OMR (answer) sheet.

Using a dark pencil or a dark-inked pen, colour the correct option completely,
as shown on the OMR (answer) sheet.

SECTION II: SUBJECTIVE

Duration: 30 minutes
1 Picture Composition

Total marks for SECTION II is 20

Turn over the OMR sheet provided to you and write in the space provided.
You can attach an extra sheet signed by your invigilator if you need more space.

You can only use a black pen to write the composition. Both gel or ball point pens are allowed.

SECTION I Duration: 1 hour Marks: 50

Flora

1. Tobacco is dangerous to health, either as cigarette or via direct consumption. It comes from the plant kingdom and is cured – the leaves are dried and powdered. What kind of plant is it?
A) Mushroom
B) Fern
C) Tree
D) Shrub

2. Which of these is a non-flowering plant?
A) Dandelion B) Eryngo
C) Fern D) Oak

3. Ficus krishnae is a variety of the banyan with its leaves closed in the form of a cup. What is the mythological significance that led to the name?
A) Lord Krishna fought a war under this tree
B) Lord Krishna was born under this tree
C) Lord Krishna stole butter and used this leaf to eat from
D) Lord Krishna used this leaf as a fan for Arjuna

4. The Forest Department before independence was very interested in 'improving the native forest' of India in economic value, and therefore planted large areas with a certain economically useful species. Which one, found in India and South East Asia, its wood popularly used, belonging to Verbenaceae family and with very large rough leaves?
A) Rosewood B) Teakwood
C) Plywood D) Salwood

5. I have large red flowers that are like miniature Rafflesias, and bloom in summer when all by leaves have fallen. I have sharp triangular spines on my trunk, my leaves have 5 leaflets like a palm and my fruit pods have white fluffy material coming out. Which Indian tree am I?
A) Flame of the forest B) Gulmohur
C) Silk cotton tree D) Camel-foot tree

6. The world's largest flower is the Rafflesia, found in South-East Asia. There are actually 28 species of them, and the genus is named after the leader of the British explorer to the region, Sir Stanford Raffles. It is also the national flower of a country. This country, an archipelago has the maximum number of islands compared to any other country – 17508. Which?
A) Philippines B) Federal States of Micronesia
C) Malaysia D) Indonesia

7. A banana plant fits into which of these groups?
A) Herbs B) Grasses
C) Shrubs D) Trees

8. Several of India's common trees in towns are not native. Can you match these trees with the country of origin?

A. Gulmohur	**(1) Madagascar**
B. Tamarind	**(2) North Africa and West Asia**
C. Silver Oak	**(3) Australia**
D. Rain Tree	**(4) South America**

Which is a correct match?
1. A – (1); B – (2); C – (4); D – (3)
2. A – (2); B – (3); C – (4); D – (1)
3. A – (1); B – (2); C – (3); D – (4)
4. A – (4); B – (3); C – (2); D – (1)

9. What are the male parts of a flower called?
A) Stamens
B) Carpels
C) Stigma
D) Pollen

Fauna

10. Horses are now found wild in many pockets across Asia, although domestic ones are found across the world. The origin of horses however is in some other continent, from which it moved during the successive ice ages. Which continent?
A) Australia
B) Antarctica
C) Africa
D) North America

11. Border, Leicester and Corrie dale are all breeds of what?
A) Horse
B) Dog
C) Cat
D) Sheep

12. There are some theories why the South Americans couldn't grow big cities and achieve intense modernization in warfare and trade. One of which deals with the natural lack of draught animals. The only thing they have were endemic group of camel-like beings. If guanaco, alpaca and vicuna are three of the four species. Which is the fourth?
A) Peccary
B) Llama
C) Axelotyl
D) Chimera

13. The aardvark is the first animal in the dictionary. Which of the following is its closest relative?
A) Wolverine
B) Anteater
C) Giraffe
D) Mountain goat

14. If I am interested in studying caves, I'm called a speleologist. If I'm interested in butterflies, what am I called? (Remember speleo is greek for cave, ptero is latin for wings)
A) Batrachologist
B) Ornithologist
C) Lepidopterist
D) Mammologist

15. This animal was mentioned in 'Alice in wonderland' and was last sighted in Mauritius. Name the animal?
A) Rabbit
B) Dodo
C) Duck
D) Frog

16. What organ do snakes use to help them taste and smell?
A) Nose
B) Skin
C) Jacobson's organ
D) None of the above

17. Which of these dinosaurs had three horns?
A) Stegosaurus
B) Triceratops
C) Rhinoceros
D) Brontosaurus

18. If animals that lay eggs are called oviparous, what are animals that give birth to live young called?
A) Viviparous
B) Stachioparous
C) Semalparous
D) Iteroparous

Terra

19. Most of India's mining happens on a mineral rich plateau found in the Eastern India, which also has a large population of tribal's and large forest cover. What is this plateau called?
A) Vindhya plateau
B) Chota Nagpur plateau
C) Coorg plateau
D) Malwa plateau

20. Gold rush was a period in the United States where many people were going to dig and look for gold. Which western state in USA is known for it, now known for its technology companies and Hollywood?
A) Mississippi
B) New York
C) California
D) Maine

21. What is the deepest place in the land?
A) Java Trench
B) Challenger Deep
C) Puerto Rico Trench
D) Dead Sea

22. Daroji is a bear sanctuary located near the ruins of the Vijaynagar empire and is one of the easiest places to see sloth bears. It is very close to the forests of Bellary and the ruins of the ancient city of Hampi. In which state is it located?
A) Telangana
B) Karnataka
C) Tamil Nadu
D) Maharashtra

23. Which of these contain large quantities of ice?
A) Asteroids B) Stars
C) Comets D) Black holes

24. Rajasaurus was a large predatory dinosaur whose dinosaurs were discovered in which river valley of India, after which it was named?
A) Mahanadi B) Narmada
C) Tapi D) Cauvery

25. If I can visit Sri Lankamalleshwara Sanctuary, Kolleru lake, Rollapadu grasslands and the Nallamalla hills, which state am I in?
A) Telangana
B) Andhra Pradesh
C) Karnataka
D) Kerala

26. What is the smallest Ocean?
A) Southern Ocean B) Pacific Ocean
C) Indian Ocean D) Arctic Ocean

27. Just like chameleons, a group of dazzlingly beautiful birds known as the 'birds of paradise' can be found on this island, and no where else on Earth. The island has few predators, the people speak so many different languages (above 850) that it is the most linguistically diverse place on Earth and it is isolated between Asia and Australia. These birds of paradise have either plumage, habits or songs that attract plain-looking females. Which island?
A) Papua and New Guinea
B) Sulawesi
C) Sumatra
D) Madagascar

Aqua

28. What is the difference between tortoises and turtles?
A) Turtles have flippers while tortoises don't
B) Turtles live in the sea while tortoises live on land
C) Turtles have sharp snout while tortoise snouts are blunt
D) There is no exact difference – some tortoises are more like turtles and some turtles more like tortoises

29. The highest mountain on Earth is Mt Everest. But that is from sea level upward. Which is the wold's tallest mountain from the base of the mountain, even if in the ocean floor?
A) Mauna Ohau
B) Mauna locha
C) Mauna Loa
D) Mauna Kea

30. Which of the following is a poisonous fish?
A) Killer whale
B) Lionfish
C) Goldfish
D) Flatfish

31. What is coral bleaching?
A) The death of the algae or the zooxanthellae (other living organism) inside the coral
B) Calcium carbonate getting bleached due to nitrous oxide
C) Sulphuric acid in low concentrations eating away the rock
D) Nitric acid in low concentrations eating away the rock

thInQ

32. An application was received by an inward clerk in the afternoon of a weekday. Next day he forwarded it to the table of the senior clerk, who was on leave that day. The senior clerk next day evening put up the application to the desk officer. Desk officer studied the application and disposed off the matter on the same day, i.e., Friday. Which day the application was received by the inward clerk?
A) Tuesday
B) Earlier week's Saturday
C) Wednesday
D) Monday

33. Hari sold a table for `720 at a loss of 10%. What should be the selling price of the table if he wants to gain 10%?
A) Rs. 800 B) Rs. 840
C) Rs. 780 D) Rs. 880

34. Arrange the given words in a meaningful sequence and then choose the most appropriate option from below: Curd, Grass, Buttermilk, Milk, Cow
A) Cow, Grass, Milk, Curd, Buttermilk
B) Cow, Milk, Buttermilk, Grass, Curd
C) Milk, Grass, Cow, Buttermilk, Curd
D) Milk, Cow, Grass, Curd, Buttermilk

35. How many square inches are there in a square foot?
A) 12
B) Both are one and the same
C) 144
D) 24

Mixed Bag

36. The movie Free Willy is based on this large mammal in the oceans. Unlike the movie, it is an efficient and very intelligent predator that hunts fish, other whales and seals. They are often seen to play with their prey. Paint from boats has been accumulating in their bodies, and males are particularly affected. Which type of whale is it?
A) Blue whale
B) Humpback whale
C) Killer Whale
D) Great White Shark

37. Which animal is the emblem of the USA.'s Republican Party?
A) Eagle
B) Elephant
C) Tiger
D) Lion

38. A proboscis is used to describe a long nose, and a species of monkey called the proboscis monkey is called so because of the long fleshy nose among males. But more correctly, the word proboscis is used to describe a certain Order of animals. Which?
A) Elephants
B) Walruses
C) Hyrax
D) Three-toed sloths

39. Many species are named after the region in which they occur or were first describe – indicafor instance. Similarly, zeylanica and taprobanica refer to which country, with the first roughly sounding like the old name of the country and second referring to Tamraparni or 'tree with copper leaves' in Tamil?
A) Thailand
B) Sri Lanka
C) India
D) Cambodia

40. What type of bird did William Wordsworth address with the words? Shall I call thee bird, or but a wandering voice?
A) Cuckoo
B) Nightingale
C) Robin
D) Owl

41. Connect – Vulture nesting site in South India, site for the films Sholay and a scene from Passage to India and a proposed largest statue of the Buddha that wasn't completed.
A) Coorg
B) Ramanagara
C) Chennai
D) Vellore

42. Hans Zimmer is a German composer who has given music to over 150 films including some of the top grossing ones – Lion King, Interstellar and Inception to name a few. In late 2016, he gave music to a nature documentary narrated by Sir David Attenborough, featuring 8 different landscapes from the world. Shot in ultra 4K resolution, it is one of the most expensive and sophisticated nature documentaries made. What is it called?
A) Hunt
B) Life
C) Planet Earth II
D) Private life of plants

43. In the original Jungle Book, Rikki-Tikki-Taavi is based on which type of mongoose, most commonly found across India and fighting snakes? It also faces a major threat from manufacturers of paintbrushes who use their hair.
A) Stripe-necked Mongoose
B) Crab-eating Mongoose
C) Brown Mongoose
D) Common Grey Mongoose

44. Which British high street bank uses the eagle as its logo?
A) McKenzie
B) Barclays
C) Bank of Scotland
D) Metro Bank

SECTION II Duration: 30 minutes Marks: 20

PICTURE COMPOSITION

Write what the picture is trying to say, a short description is given below. Marks will only be given for content and original expression and not for style, vocabulary or handwriting.

TEACHERS ARE REQUESTED TO EXPLAIN THE TOPIC TO JUNIOR CLASS STUDENTS

DIPENDRA SINH ZALA

ROAD KILLS AND CORRIDORS

Imagine living in a world where crossing a road to get your food or even reach your shelter would mean being hit by speeding vehicles? While we shudder to even imagine such a situation, road kills are a brutal truth in the lives of our wild friends. Look at the picture above and tell us what you think can and should be done to save these poor creatures from road mishaps.

SAEVUS

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