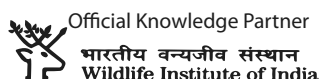
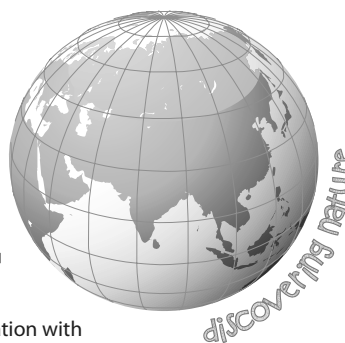


SAEVUS Natural Capital Olympiad

2017-2018
Set C



In association with

classmate

Conservation Partner
Hem Chand Mahindra Foundation

CLASS 4

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. Dust settles on leaves of plants that grow near the road. How does this affect their process of making food?

- A. No impact on how it makes food
- B. Improves how it makes food
- C. Decreases food made
- D. No food is made - the leaf dies

2. Chickenpox is a common disease that most people get at least once in their life. Traditionally, the leaves of a certain tree are used to reduce itching. Which tree?


- A. Banyan
- B. Peeepal
- C. Neem
- D. Jamun

3. Many plants together form a forest. A forest helps us in many ways. Which of these is a use of the trees in a forest?

- A) Wood
- B) Food
- C) Medicine
- D) All of the above

4. What part of the flower do the honey bees accidentally collect while collecting nectar?

- A) Pollen
- B) Petals
- C) Sepals
- D) Stalk

 **5. Which tree from the following is known to give out the maximum amount of oxygen?**

- A) Banyan
- B) Neem
- C) Tulsi
- D) Gulmohar

6. Without plants around, which of the following animals would die first?

- A) Cats
- B) Dog
- C) Rat
- D) Goats

7. What is a weed?

- A) An unwanted plant
- B) Host plant for caterpillars
- C) Plants which repel ants
- D) None of the above

8. Butterflies need host plants in the preliminary stage of their life to _____

- A. Feed on leaves
- B. Feed on nectar
- C. Feed on twigs
- D. All of the above

9. Pagoda ants use which out of the following material to build their nest?

- A. Break bark of the stem and use
- B. Pluck flowers and use nectar
- C. Sap from the leaves
- D. All of the above

Fauna



10. How many legs does a scorpion have?

- A. 10
- B. 6
- C. 8
- D. 4

11. Which of these is a real bird?

- A) Can Opener
- B) Bottle Opener
- C) Potato Masher
- D) Nut Cracker



12. Why do African Elephants have big ears?

- A) The large ears help the elephants fly by flapping them
- B) Large ears help the elephants to listen to faint sounds
- C) Elephants keep cool by flapping the large ears
- D) Large ears help the elephants swim across rivers

13. Which animal is the main attraction in Assam's Kaziranga National Park?

- A) Asian Elephant
- B) One-horned Rhinoceros
- C) Bengal Tiger
- D) Swamp Deer

14. What is a staple food of butterflies?

- A) Nectar
- B) Leaves
- C) Flowers
- D) Other Insects

15. What among the following is absent in the worker ants?

- A) legs
- B) wings
- C) eyes
- D) head

16. During the daytime, why do butterflies bask with their wings open?

- A) To Scare Away Predators
- B) To Camouflage Themselves
- C) To Soak in The Heat
- D) To Find a Mate

17. If mammals have hair and birds have feathers on their body, what so fish have?

- A. Scales
- B. Nails
- C. Skin
- D. Needles

18. This kind of bird has a huge bill, and has a unique nesting habit. The male seals the female inside a tree hollow where she and the chick stay until the chick is old enough to fly. Through that time, it is the male who feeds both. They primarily eat fruits but also meat. The species found in India include malabar grey, indian grey, malabar pied, oriental pied, great, rufous-necked, wreathed, brown and narcondam. Which kind of bird?

- A. Woodpecker
- B. Barbet
- C. Toucan
- D. Hornbill

Terra



19. Which planet takes the longest to orbit the sun?

- A. Pluto
- B. Mercury
- C. Saturn
- D. Neptune

20. If I want to see the Angel Falls, to which country will I have to travel?

- A. Uruguay
- B. Paraguay
- C. Columbia
- D. Venezuela

21. Madhubani is an old and traditional style of painting, which got its name from the district from where it originated. In which state is the district of Madhubani situated?

- A) Bihar
- B) Rajasthan
- C) Karnataka
- D) Assam

22. The mouth of the river, where the river meets the sea, usually through numerous distributaries is known as a delta. The delta of which river is the largest (covering maximum area) delta in the world?

- A) Yangtze
- B) Nile
- C) Amazon
- D) Ganga

23. Which of these are islands?

- A) Andaman & Nicobar
- B) Lakshadweep
- C) Daman & Diu
- D) Both A & B

24. What are the Warli people of Maharashtra famous for?

- A) Warli dances
- B) Warli sports
- C) Warli paintings
- D) Warli architecture

25. Which ocean divides the continents of Asia and Australia?

- A) Pacific Ocean
- B) Indian Ocean
- C) Atlantic Ocean
- D) Southern Ocean

26. Bananas (*Musa paradisica*) is a very common fruit found across the tropics and eaten by people around the world. But is it a tree or not?

- A. It is a tree – its big!
- B. No its not – the stem has no bark and its not woody
- C. It is a tree in some parts of the world but not others
- D. It is not – it is a climber that grows on a support

27. We all know what a tree is, and what a small plant or herb is. But what features makes a tree, a tree?

- A. Its woody main stem or trunk
- B. Usually it has a rough bark of dead cells
- C. It has canopy, or leaves little above the ground than small plants
- D. All of the above

Aqua



28. Which of the following is NOT an actual reason that is causing damage to the coral reefs?

- A) Influx of artificial pollutants into the waters
- B) Increased sea water temperatures
- C) Parasitic attack on corals
- D) Trawling

29. Which of the following aquatic birds has a giant pouched beak which can hold up to 13 litres of water at a time?

- A) Stork
- B) Crane
- C) Pelican
- D) Spoonbill

30. ____ is the largest frog in the world.

- A) Indian Bull frog
- B) Goliath frog
- C) Brazilian Horned frog
- D) African Bull frog

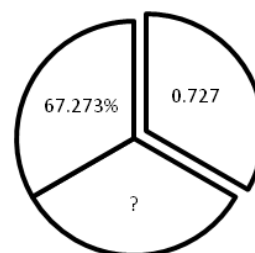
31. Some animals are blind or nearly blind, because they live underground, in caves, in very dirty water or in the deep sea where seeing is not an essential thing. Which of these animals has GOOD eyesight?

- A. Gangetic dolphin
- B. Cave fish
- C. Cave salamander
- D. Crested Serpent Eagle

thInQ



32. Mark the correct answer



- A. 32.3
- B. 22.1
- C. 32
- D. 23

33. Find the odd one out:

- A) Uranus
- B) Earth
- C) Moon
- D) Saturn

34. The predecessor of the smallest 5-digit number is _____.

- A) 99999
- B) 10001
- C) 1000001
- D) 9999

35. Which of the following shows the word form of 5,221?

- A) Five thousand twenty one
- B) Fifty thousand two hundred twenty one
- C) Five thousand two hundred twenty one
- D) Fifty two thousand twenty one



42. All life on Earth is based on one single element, without which no part of life can even exist. What is this single chemical element that all living life, from tiny microbes to blue whales, are made of?

- A. Nitrogen
- B. Sulphur
- C. Carbon
- D. Caesium

43. Which is the longest beach in India?

- A. Palolem Beach
- B. Kovalam Beach
- C. Marina Beach
- D. Juhu Beach

44. Chenab is a tributary of River _____

- A. Ganga
- B. Brahmaputra
- C. Indus
- D. None of the above

Mixed Bag



36. What would you do to make a shadow?

- A) Turn off the lights
- B) Stand between light and wall
- C) Stand in the doorway
- D) Walk out at night

37. Every year, on which date, is the Earth Day observed?

- A) February 16
- B) April 4
- C) April 22
- D) September 17

38. In Nitrogen Cycle, who transforms soil nitrates into free nitrogen?

- A) Nitrifying bacteria
- B) Denitrifying bacteria
- C) Ammonifying bacteria
- D) Both A and C

39. Which country produces maximum rice in the world?

- A) India
- B) China
- C) Malaysia
- D) Japan

40. How can pollution be controlled?

- A) Cutting trees
- B) Planting trees
- C) Removing trees
- D) None of these

41. For animals, sodium and calcium are essential to transfer information from brain to other parts of the body. Similarly, plants also need some minerals. Which do they need the most?

- A. Nitrogen
- B. Phosphorus
- C. Nitrogen and Phosphorus
- D. Sulphur

ROUGH WORK

SECTION II Duration: 30 minutes Marks: 20

Write about what the cartoon is trying to say and why it is important for us in the world we live in.

Marks will only be given for content and original expression and not for style, vocabulary or handwriting.



BUILT BY QUTBUDDIN AIBAK, THE
MINAR IS ONE OF INDIA'S TALLEST
MONUMENTS, ONCE THE SMOG
CLEARS OUT.

SAEVUS

Saevus Wildlife India LLP, 302, 3rd floor, Powai Plaza, Hiranandani Gardens, Powai,
Mumbai - 400076. Phone: +91 022-40660100 Email: olympiad@saevus.in



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Class 4_Answer Key_Set C

1. C	12. C	23. D	34. D
2. C	13. B	24. C	35. C
3. D	14. A	25. B	36. B
4. A	15. B	26. B	37. C
5. A	16. C	27. A	38. B
6. D	17. A	28. D	39. B
7. A	18. D	29. C	40. B
8. A	19. D	30. B	41. C
9. A	20. D	31. D	42. C
10. C	21. A	32. C	43. C
11. D	22. D	33. C	44. C