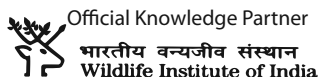


SAEVUS Natural Capital Olympiad

2017-2018
SET-A



In association with



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

thlnQ – 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. What is the use of long flowing roots of the banyan tree?

- A) Support
- B) Breathing
- C) Drinking water
- D) Drinking water and support

2. Green leaves turn red or yellow in summer in dry forests. Can these yellow and red leaves produce food?

- A) Yes, but less than green leaves
- B) No, not at all
- C) Yes, but more than green leaves
- D) Yes, and equal to green leaves

3. Eucalyptus oil is extracted from which part of the plant?

- A) Stem
- B) Leaves
- C) Roots
- D) Flowers

4. Which out of the following if absent will not stop the germination of a seed?

- A) Sun light
- B) Water
- C) Oxygen
- D) All of the above

5. In which state in India is the 'Valley of Flowers' located?

- A) Himachal Pradesh
- B) Uttarakhand
- C) Punjab
- D) Haryana

6. Fruits are formed after the flower is fertilized with _____.

- A) Seed
- B) Stamens
- C) Stigma
- D) Pollen

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

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

8. Orchards are meant for _____.

- A) Cultivation of fruits
- B) Cultivation of vegetables
- C) Cultivation of rice
- D) None of the above

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

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

Fauna



10. Honey badgers are called so because they go after honey bees. Honey guides and honey buzzards also have their names for a similar reason. Why is a Bee Hummingbird called so?

- A) It eats bees
- B) It is the size of a bee
- C) It lives inside a bee hive
- D) It collects pollen and gives it to bees

11. Which of these animals is known for their long memory that helps them remember where to find water and food?

- A) Tigers
- B) Ants
- C) Elephants
- D) Goldfish

12. Newts are _____.

- A) Reptiles
- B) Cetaceans
- C) Amphibians
- D) Mammals

13. Bird's excrete _____.

- A) Urea
- B) Ammonia
- C) Uric acid
- D) All of the above

14. What is the name of the appendage which a bee pushes into a flower in order to extract nectar?

- A) Antenna
- B) Thorax
- C) Ovipositor
- D) Proboscis

15. What purpose do bright colours of some snakes, like coral snakes, serve?

- A) They warn other animals that they are venomous
- B) They attract their mates with bright colours
- C) The colours helps camouflage the snakes from predators
- D) The colours helps snakes attract dinner

16. My favourite food is something you despise – rats! I have excellent eyesight and also hearing ability which help me find them in the night. But my sharp talons are the weapons which allow me to kill them. Despite clearing the city of these disease-spreading rodents, I am looked at as a bad omen. Which bird am I?

- A) Bat
- B) Owl
- C) Eagle
- D) Vulture

17. In general, eating habits of the human are like the eating habits of which animal?

- A) Lion
- B) Rabbit
- C) Tiger
- D) Bear

18. How is the spine of a camel shaped?

- A) Hump-shaped
- B) Straight
- C) Curved
- D) Spiral

Terra



19. 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

20. _____ occupy the largest area on earth.

- A) Oceans
- B) People
- C) Buildings
- D) Continents

21. Which of these is not a natural disaster?

- A) Tsunami
- B) Cyclone
- C) Oil spill
- D) Earthquake

22. Earth rotates from _____.

- A) North to South
- B) West to East
- C) East to West
- D) Top to Bottom

23. Which amongst these is an old Indian language, rarely spoken now?

- A) Hindi
- B) Pali
- C) Marathi
- D) Punjabi

24. In which country is the Glacier Bay National Park and Preserve located?

- A) Vienna, Austria
- B) Ottawa, Canada
- C) Alaska, USA
- D) Antarctica

25. Which out of the following is the highest plateau in the world?

- A) Antarctic Plateau
- B) Colorado Plateau
- C) Tibetan Plateau
- D) Pamir Plateau

26. The innermost part of the earth is actually solid even though it is hottest because of all the pressure falling on it on all sides. Above that is liquid rock, called magma. When it flows out of the earth either slowly or violently (like in a volcano), it gets a different name. What?

- A) Mantle
- B) Lava
- C) Crust
- D) Ionosphere

27. Mangalyaan is the mars mission from India, where a satellite was sent to orbit mars and find out things. A similar thing called Chandrayaan was done by India. What object in space did it study?

- A) Venus
- B) Earth
- C) Moon
- D) Mars

Aqua



28. What do baleen whales lack that other whales have?

- A) Fins
- B) Eyes
- C) Teeth
- D) Blowholes

29. What are young otters called?

- A) Kits
- B) Kittens
- C) Calves
- D) Piglets

30. 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

31. Mediterranean sea connects to which ocean?

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

thInQ



32. Out of the following fractions, which one is the lowest?

- 3/7, 6/7, 4/14, 5/7, 8/14
- A) 5/7
- B) 3/7
- C) 4/14
- D) 8/14

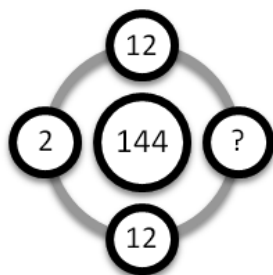
33. The roman numeral for 18 is ____.

- A) XXXV
- B) IVIII
- C) XXVIII
- D) XVIII

34. Gagan wants to measure the height of a wall in his house. Which is the best metric unit of measure to use?

- A) Millimetres
- B) Centimetres
- C) Metres
- D) Kilometres

35. Mark the appropriate answer



- A) 72
- B) 12
- C) 144
- D) 123

42. Household garbage is composed of a variety of items. On an average, what percentage of waste produced in a house is recyclable?

- A) 5-10%
- B) 50-75%
- C) 80-90%
- D) 100%



43. Who was the founder of Van Mahotsav?

- A) C V Raman
- B) A P J Abdul Kalam
- C) K M Munshi
- D) Homi J Bhabha

44. Which out of the following is the lowest point in India?

- A) Thottapali
- B) Pulikeezhu
- C) Kuttanad
- D) Ramankary

Mixed Bag



36. 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

37. 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, is made of?

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

38. Which is the largest planet in our solar system?

- A) Earth
- B) Venus
- C) Jupiter
- D) Saturn

39. Which planet is closest to the Earth?

- A) Venus
- B) Mercury
- C) Saturn
- D) Jupiter

40. How many sets of teeth does a person get in his/her lifetime?

- A) 1
- B) 2
- C) 3
- D) 4

41. What is the popular symbol used to indicate recycling?

- A) 1 green arrow, pointing upwards
- B) 2 green arrows, pointing in opposite directions
- C) 3 green arrows, forming a triangle
- D) A green tree

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

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Class 4 - Set A - Answer Key 2017_18

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