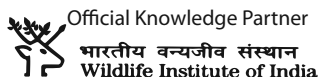


SAEVUS Natural Capital Olympiad

2017-2018
SET-A



In association with



Conservation Partner
Hem Chand Mahindra Foundation

CLASS 3

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. 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

2. If you recycle 1 tonne of paper, approximately how many mature trees will you save?

- A) 12 trees
- B) 17 trees
- C) 23 trees
- D) 28 trees

3. The process by which a plant grows from a seed is called _____.

- A) Pollination
- B) Germination
- C) Absorption
- D) Growth

4. What is the food factory of the plant called?

- A) Stems
- B) Root
- C) Leaves
- D) Flowers

5. What are the edges of leaves known as?

- A) Midrib
- B) Margin
- C) Leaf Line
- D) Leaf Border

6. Chlorophyll reflects light in which of the following colours?

- A) Green
- B) Red
- C) Blue
- D) Violet

 **7. 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

8. Do plants breathe in Oxygen and release Carbon dioxide just like us humans?

- A) No, they only do the opposite
- B) Yes, they do that as well as take in Carbon dioxide and release oxygen
- C) Sometimes, they do this once in a few days
- D) None of the above

9. Which part of the banana plant is consumed?

- A) Fruit
- B) Stem
- C) Flower
- D) All of the above

Fauna



10. In amphibians _____

- A) Lungs are absent
- B) Skin is a part of respiratory system
- C) Tongue is short
- D) Eyelids are absent

11. Which of the following pigments gives plants their green colour?

- A) Chlorophyll
- B) Xanthophyll
- C) Carotene
- D) None of these

12. Butterflies feed on what produced by plants?

- A) Nectar
- B) Wax
- C) Seeds
- D) Starch

13. What are the lines seen on leaves called?

- A) Arteries
- B) Capillaries
- C) Veins
- D) Leaf Lines

14. Some plants cannot produce enough food for themselves

and hence eat which of the following?

- A) Insects
- B) Other plants
- C) Chicken
- D) Flesh of dead animals

15. Dew drops seen on leaves are _____.

- A) Water
- B) Grease
- C) Oil
- D) Wax

 **16. To which zone India will you have to travel to see the Golden Langur?**

- A) South
- B) North
- C) East
- D) West

17. The praying mantis is a type of insect that looks like a grasshopper. What is different are its front two legs. What is special about them, that gives them its name?

- A) They sit on their back and rub their legs together like praying
- B) The front two legs are held together to catch prey, like praying
- C) They use the front two legs to scratch their bodies
- D) They use it in mating

18. How many legs do spiders have?

- A) One
- B) Two
- C) Four
- D) Eight



19. Panama Canal connects which two oceans?

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



20. Which is the softest mineral found on planet earth?

- A) Calcite
- B) Topaz
- C) Graphite
- D) Mineral Talc

21. In which state is India's western most point?

- A) Andhra Pradesh
- B) West Bengal
- C) Gujarat
- D) Kerala

22. Which is the largest continent in the world?

- A) Asia
- B) Africa
- C) America
- D) Australia

23. At what position is the Earth from the Sun in the solar system?

- A) Fifth
- B) Second
- C) Third
- D) Seventh

24. What is the primary source of water for our use?

- A) Ice
- B) Sea water
- C) Rain
- D) Spring

25. Find the odd one out:

- A) River
- B) Mountain
- C) Lake
- D) Spring

26. Of which continent is India a part?

- A) Asia
- B) Africa
- C) America
- D) Australia

27. Which state in India has maximum literacy?

- A) Nagaland
- B) Uttar Pradesh
- C) Bihar
- D) Kerala



28. Which of the following is NOT a river from India?

- A) Ganga
- B) Yamuna
- C) Godavari
- D) Nile

29. What is an alga?

- A) Green-coloured animal
- B) Aquatic plant
- C) Non-living component
- D) Fungus growing on bread

30. Which is the second largest fish in the world?

- A) Great white shark
- B) Leopard shark
- C) Basking shark
- D) None of the above



31. Angler fish is called so because like a fisherman or an angler, it has a projection in front of its mouth that glows – when a fish comes close to the light, the angler fish grabs it. Is this true?

- A) Yes
- B) No
- C) Yes, but they are called angel and not angler fish
- D) No, but another fish called the stone fish does the same thing



32. Which of the following is true?

- A) 200 is greater than 345
- B) -200 is lesser than 345
- C) 955 is greater than 1012
- D) -955 is greater than 1012

33. Think of a number, add 10 to it, and divide the answer by 2. Let the resulting number be x. Starting with x, how can I get my original number back?

- A) Multiply x by 2 and then subtract 10 from the result
- B) Divide x by 2 and then add 10 to the result
- C) Multiply x by 2 and then add 10 to the result
- D) Add 2 to x and then divide the resulting number by 10

34. Find the wrongly spelt word and mark your answer.

- A) Winning
- B) Mining
- C) Running
- D) Begining

- 35. Each business activity _____ employment to people who would otherwise be unemployed.**
- A) Creates
 - B) Provides
 - C) Finds
 - D) Takes

- 44. Which government service takes care of India's wildlife?**
- A) Indian Revenue Service
 - B) Indian Forest Service
 - C) Indian Police Service
 - D) Indian Railway Service

Mixed Bag



ROUGH WORK

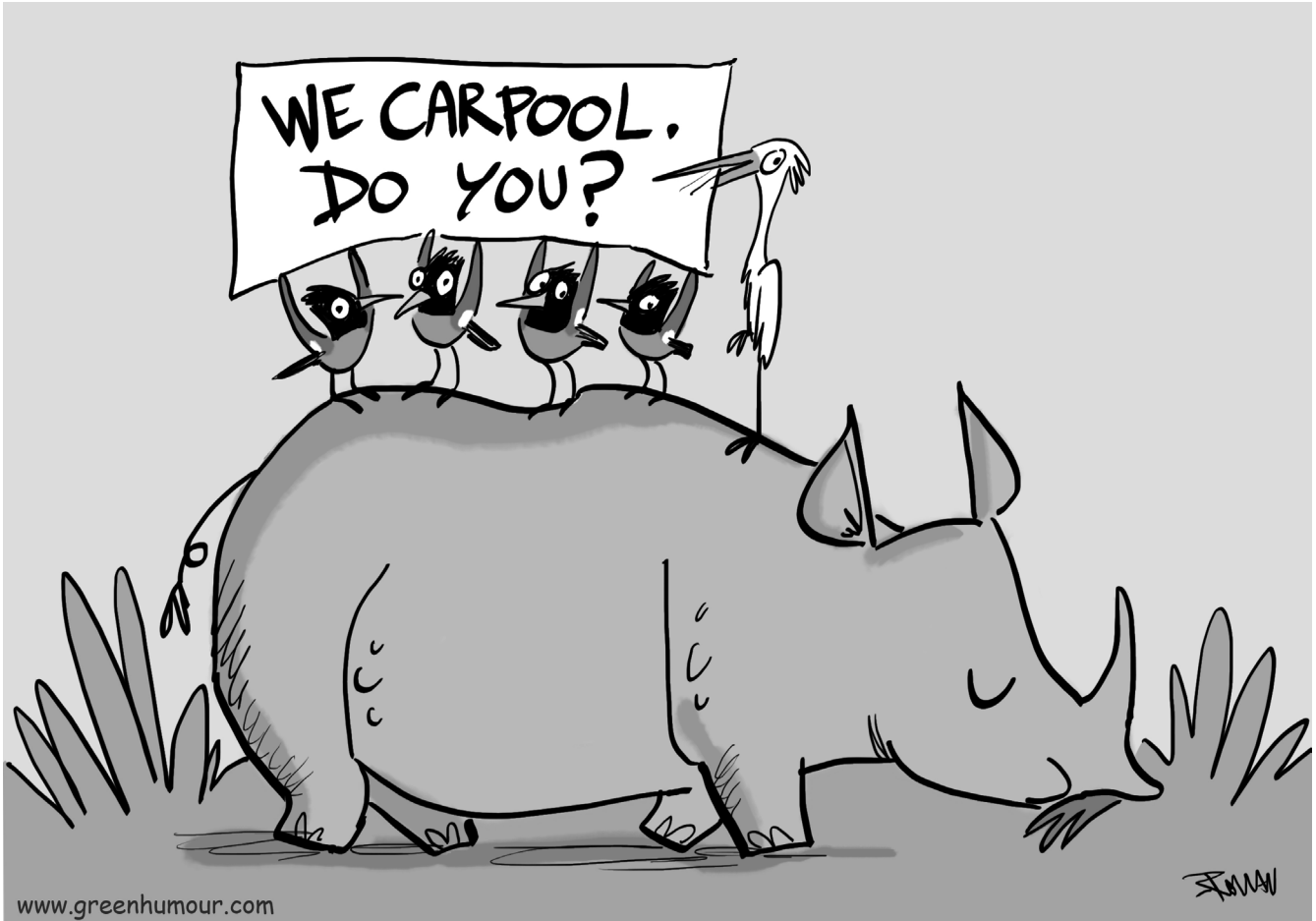


- 36. Which is the only Indian state that produces saffron?**
- A) Jammu and Kashmir
 - B) Uttarakhand
 - C) Himachal Pradesh
 - D) Assam
- 37. Which out of the following is the coldest planet in the solar system?**
- A) Saturn
 - B) Earth
 - C) Jupiter
 - D) Neptune
- 38. Wildlife shows can be regularly seen on TV. Which of these channels DO NOT have wildlife shows?**
- A) NDTV
 - B) National Geographic
 - C) Discovery Channel
 - D) Animal Planet
- 39. Which of the following units would you use to measure the length of a pencil?**
- A) Centimetre
 - B) Grams
 - C) Litre
 - D) Kilometre
- 40. Who is the author of 'The Jungle Book'?**
- A) Leo Tolstoy
 - B) Rudyard Kipling
 - C) Salman Rushdie
 - D) Mark Twain
- 41. Which of the following is a renewable source of energy?**
- A) Fossil fuel
 - B) Sunlight
 - C) Wind
 - D) B & C
- 42. What are the two components of an ecosystem?**
- A) Plants & Animals
 - B) Biotic & Abiotic
 - C) Plants & Light
 - D) Weeds & Microorganisms
- 43. Which of the following diseases is not caused by water pollution?**
- A) Typhoid
 - B) Dysentery
 - C) Malaria
 - D) Jaundice

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.



SAEVUS

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Class 3 - Set A - Answer Key 2017_18

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