SAEVUS Natural Capital Olympiad

2017-2018
SET-A

discovering nature

Official Knowledge Partner
भारतीय वन्यजीव संस्थान
Wildlife Institute of India

In association with
classmate

Conservation Partner
Hem Chand Mahindra Foundation

CLASS 5

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. Which of these is not a level in the rainforest?
A) Ceiling
B) Canopy
C) Under-storey
D) Forest floor

2. In which state of India is Manas National Park located?
A) Rajasthan
B) Assam
C) Bihar
D) Gujarat

3. The Pitcher Plant, an insectivorous plant, does not carry out photosynthesis. True or false.
A) True
B) False
C) Sometimes it can do photosynthesis
D) It does photosynthesis seasonally

4. How do you find the age of a tree?
A) By counting the number of leaves on it
B) By counting the number of branches on it
C) By measuring its height
D) By counting the number of rings in a stem

5. This amazing insectivorous shuts close when an insect lands
on its surface to trap it. What is the name of this plant?
A) Pitcher Plant
B) Venus Flytrap
C) Sundew
D) Insectivor

6. What is the term used for the leafy parts of the tree along with the branches, that together give shade below?
A) Understorey
B) Middlestorey
C) Canopy
D) Litter

7. What is the term used for dead leaves lying on the forest floor, that will slowly become soil and food for the growing plants?
A) Soil
B) Waste
C) Litter
D) Garbage

8. Plant tissue culture is a branch of research by which_____
A) Plant is grown in lab conditions
B) Plant can be modified as per requirement and be grown
C) Lab plants and transferred outdoors after sometime
D) All of the above

9. From which part of the plant do we get the spice clove?
A) Bark
B) Root
C) Flower bud
D) Shoot

Fauna

10. What is the colour of a polar bear's skin?
A) Brown B) White
C) Black D) Blue

11. Flamingos is zoos often become white, losing their original colour. Scientists were initially confused, but later understood that it was something in the flamingo's food that made it pink. What were flamingos eating?
A) Pink prawns, shrimps and crabs
B) Pink eels
C) Pink grass
D) Other flamingos

12. What is the name of a butterfly's resting stage?
A) Egg B) Larva
C) Pupa D) Caterpillar

13. New World and Old World vultures are both scavengers who feed on the carcasses of dead animals. However, they do differ in their methods of finding the carcasses. By means of what do the Old World vultures mainly find the carcasses?
A) Touch
B) Smell
C) Sight
D) Sound

14. Which is the largest land mammal in India?
A) Indian One-horned Rhinoceros
B) Asiatic Elephant
C) Bengal Tiger
D) Brown Bear

15. Robins feed majorly on worms, plucking them out from the ground. Which sense do they use to find the worms?
A) Feeling
B) Hearing
C) Seeing
D) Smelling

16. Majority of primates are primarily vegetarian. Which of the following primates is known to actively hunt large animals by working as a team?
A) Gibbon
B) Chimpanzee
C) Orangutan
D) Lemur

17. Figs are pollinated by _____
A) Bats
B) Insects
C) Birds
D) Macaques

18. Mammals have mammary glands which help the females in feeding the new born offspring. Do males in mammals also have mammary glands?
A) Yes
B) No
C) Not all males have mammary glands
D) Males can feed so they have mammary glands

Terra

19. Zero degree latitude is called the ____.
A) Equator
B) Prime Meridian
C) Tropic of Cancer
D) Tropic of Capricon

20. Which is the largest inland sea in the world?
A) Caspian B) Black
C) Dead D) Mediterranean

21. What would you call a piece of land surrounded by water on three sides?
A) Peninsula
B) Island
C) Triangle
D) Alluvial

22. What is a lagoon?
A) Shallow body of water separated from a larger body of water
B) A body of water with too many fish
C) A non-polluted body of water
D) A beach

23. Malaysia is a country on which continent?
A) Asia
B) Australia
C) Africa
D) South America

24. Rhinos were once found across the northern part of India – today, we can only find them in parts of Assam, Nepal and West Bengal. The proof that they existed all the way to Pakistan can be found on the seals of one of the ancient civilizations of the world, that lived around a certain river in the area. Which civilization/River?
A) Mesopotamian Civilization / River Tigris and Euphrates
B) Egyptian Civilization / River Nile
C) Harappan Civilization / River Indus
D) Shang Civilization / River Yangtze

25. What is the process of sequestration, often used when discussing ways to reduce Carbon Dioxide emissions in the Earth's atmosphere?
A) Sequestration
B) Eutrophication
C) BiomagnificatIon
D) Elation

26. To which country will you travel to see an Asiatic Lion?
A) South Africa
B) Kenya
C) India
D)Tanzania

27. Dudhwa National park is located in which Indian state?
A) Uttarakhand
B) Uttar Pradesh
C) Madhya Pradesh
D) Bihar

Aqua

28. Crocodiles often swallow stones along with their food. Why?
A) They digest the stone for nutrients
B) They use the stones to crush food inside stomach
C) They use stones to feed young ones
D) They swallow by mistake

29. Ganga is the longest river in India. But which is the longest river in the world?
A) Brahmaputra
B) Nile
C) Amazon
D) Mississippi

30. Pond katers are specialized aquatic insects which float on water and feed on other insects fallen in the water. How do these insects manage to stay afloat?
A) Pond skater's body is covered with oil, hence repelling them from water
B) Long legs covered with hair, distribute the pond skater's weight, hence not allowing them to break the surface tension of water and sink
C) Pond skaters are found in sea water, the weight of salt keeps them floating
D) Pond skaters actually fly over the surface of the water and seem to float to the naked eye

31. Although all sharks can detect electrical pulses, in which of the following sharks is the sense of detecting electrical pulses very sensitive, allowing the shark to find prey even buried in the sand?
A) Basking Shark
B) Great White Shark
C) Mako Shark
D) Hammerhead Shark

thInQ

32. Find the odd one out:
A) Pseudo
B) Hour
C) Understand
D) Wrong

33. Aarti bought 3 bags of red balls and 5 bags of white balls. Each bag has 7 balls in it. Which equation could Aarti use to find the total number of balls bought?
A) (7 X 3) + 5
B) (7 X 5) + 3
C) 7 X (5 + 3)
D) 7 + (5 X 3)

34. How many meaningful words can be formed using the letters A, R, and T?
A) 2
B) 4
C) 5
D) 3

35. How many 8's are there in the following sequence, which are immediately preceded by 6 but not immediately followed by 5?
6 8 5 7 8 5 4 3 6 8 1 9 8 5 4 6 8 2 9 6 8 1 3 6 8 5 3 6
A) One
B) Two
C) Three
D) Four

Mixed Bag

36. What is meteorology?
A) Study of weather
B) Study of meteors
C) Study of oceans
D) Study of caves

37. What is the meaning of deforestation?
A) Planting of trees
B) Replanting trees in areas where forests have been cut-off
C) Clearing of trees
D) Clearing of stumps of already dead trees

38. Who wrote the book, 'Origin of Species'?
A) Louis Pasteur
B) Charles Darwin
C) Stephen Hawking
D) Sir Alexander Fleming

39. What is the male reproductive cell called?
A) Egg
B) Sperm
C) Seed
D) Nucleus

40. What is the energy generated from water known as?
A) Relative Energy
B) Irrigation
C) Hydroelectric Energy
D) Electromagnetic Energy

41. Earth day is celebrated on_____
A) 22nd April
B) 23rd April
C) 29th April
D) 30th April

42. In Harry Potter series of books by JK Rowling, Harry had a unique ability called Parseltongue where he could speak to a certain animal. Which animal?
A) Rats
B) Snakes
C) Lizards
D) Scorpions

43. When was the first World Environment Day celebrated?
A) 1991
B) 1975
C) 1974
D) 1947

44. Elephants have been revered in Hindu Mythology. Indra, the lord of the heaven is said to have ridden an elephant. More familiar is Ganesha, who is part elephant. Which part of lord Ganesh is elephant?
A) Full upper body
B) Lower Body
C) Tail
D) Head

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.

SAEVUS

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Class 5 - Set A - Answer Key 2017_18

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