

SUB: SCIENCE REVISION OF SA-I-EXAM

PART-A

Q1) Tick (✓) the correct option:-

1) Seeds of which of the following plants are dispersed by wind?

⇒ (a) lotus (b) cotton (c) mango

2) Which plant grows with the help of tiny spores?

⇒ (a) balsam (b) fern (c) carrot.

3) Which of the following is a rabi crop?

⇒ (a) rice (b) maize (c) wheat

4) The seeds of which of these plants are dispersed by explosion?

⇒ (a) cotton (b) pea (c) mango.

5) Which of the following is a herbivore?

⇒ (a) zebra (b) lion (c) snake

6) Reptiles have _____ for breathing.

⇒ (a) spiracles (b) lungs (c) gills

7) Which of the following animal crawls?

⇒ (a) kangaroo (b) dog (c) tortoise

8) Which of the following animals breathes through its skin in water?

⇒ (a) fish (b) turtle (c) frog

9) The uppermost vertebra is called _____

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⇒ (a) atlas (b) top vertebra (c) provertebra

10) The bones of the legs are joined to the spine by the _____

⇒ (a) radius (b) ulna (c) hip girdle

11) How many pairs of ribs attached to the backbone

⇒ (a) 13 (b) 12 (c) 8

12) Pivot joints are the examples of _____ joints

⇒ (a) gliding (b) hinge (c) ball and socket

13) The muscles of which of these body parts are voluntary?

⇒ (a) stomach (b) intestine (c) tongue

14) _____ carry messages to the brain as well as bring orders from different body parts.

⇒ (a) sensory nerves (b) motor nerves (c) mixed nerve

15) How many sense organs does we have?

⇒ (a) four (b) five (c) six

16) The coloured circle in the eye is the _____

⇒ (a) iris (b) cornea (c) retina

17) Which part of the brain is also called the brain stem

⇒ (a) cerebrum (b) cerebellum (c) medulla

18) Which part of the brain is responsible for muscles coordination?

⇒ (a) cerebrum (b) cerebellum (c) medulla

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food?

19) Which of these helps our body get rid of undigested
 ⇒ (a) protein (b) vitamin (c) Roughage.

20) Night blindness is caused due to the deficiency of -----
 ⇒ (a) protein (b) vitamin B (c) Vitamin A

21) Which of the following diseases spreads through infected food or water?
 ⇒ (a) measles (b) chickenpox (c) Jaundice

22) Rat fleas spread ----
 ⇒ (a) plague (b) tetanus (c) malaria

23) The scattering of seeds away from the mother plant is called -----
 (a) germination of seed (b) dispersal of seeds (c) ^{Dispersal} of explosion

24) Reptiles such as lizards and crocodiles -----
 on the land.
 ⇒ (a) Jump (b) Crawls (c) hop

25) Animals that eat both plants and other animals are called -----
 ⇒ (a) Omnivores (b) carnivores (c) herbivores

26) Animals that eat plants or plant products are -----
 ⇒ (a) herbivores (b) rodents (c) carnivores ^{called}

27) An adult human body has ----- bones.
 ⇒ (a) 206 (b) 306 (c) 106.

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28) In movable joints most of the Joints can move - - - -

⇒ (a) roughly (b) smoothly (c) tightly

29) How many types of bone joints are there in human body

⇒ (a) One (b) two (c) three

30) In the front portion of the eye, there is a circular, transparent area called - - -

⇒ (a) Cornea (b) Retina (c) Sclera

31) How many taste buds are there on our tongue?

⇒ (a) 2 (b) 3 (c) 4

32) The pores on the surface of the skin allow waste to come out - - -

⇒ (a) Air (b) Sweat (c) water

33) How many types of Nerves are there in our body

⇒ (a) two (b) One (c) three

34) All the body systems and sense Organs are controlled by the _____ system.

⇒ (a) Spinal cord (b) nervous (c) skeletal

35) The _____ bones of the skeleton are filled with a soft fatty material called bone marrow.

⇒ (a) Short (b) long (c) curved.

36) _____ carry oxygen to different parts of the body

⇒ (a) WBC (b) CBW (c) RBC

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- 37) Useful substances found in the rocks.
⇒ (a) Minerals (b) proteins (c) vitamins
- 38) A person is physically and mentally fit in all respects.
⇒ (a) Strong (b) weak (c) healthy.
- 39) Eating infected food and drinking contaminated water cause many _____
⇒ (a) diseases (b) infection (c) Both a/b.
- 40) Which mineral is required to build red blood cells, helps us to be active -
⇒ (a) Iodine (b) Calcium (c) Iron.
- 41) Which germs cause malaria, dysentery.
⇒ (a) protozoa (b) fungi (c) viruses
- 42) Which mineral should be taken if the deficiency diseases are in weak bones and teeth
⇒ (a) Iodine (b) phosphorus (c) calcium
- 43) Rickets is caused due to the deficiency of Vitamin _____
⇒ (a) B (b) C (c) D
- 44) Reflex actions are controlled and sent by the
⇒ (a) Brain (b) Spinal cord (c) Ribcage.
- 45) The ribcage protects the heart and _____
⇒ (a) Spinal cord (b) Brain (c) lungs

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PART - BQ2) [A] fill in the blanks:

- 1) Good hygiene helps in preventing diseases.
- 2) Cholera is caused by infected food.
- 3) Sensory nerves carry messages from the Sense Organ.
- 4) Blood cells are produced in the bone-marrow
- 5) like a machine our body is made up of different parts.
- 6) Animals that grow are called rodents
- 7) Earth worms breathe through their body surface
- 8) Dispersal of balsam seeds take place by Explosion
- 9) New plants of fungi grow from the spores
- 10) The tongue helps us in tasting things

[B] => write True or false :-

- 1) Malaria is spread by mosquitoes [True]
- 2) Ringworm is caused by virus [false]
- 3) There are tiny nerve-endings in our skin [false]
- 4) Reflex actions are controlled and sent by the brain [True]
- 5) The seeds of cotton and dandelion have tufts of hairs around them [True]
- 6) Apple and mango burst open or explode when they become dry. [false]
- 7) Potato grow from its stem. [false]
- 8) Mixed nerves carry messages from the body to the brain [false]
- 9) proteins give us energy. [false]
- 10) polio is caused by bacteria. [false]

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Q3) [A] Match the following :-

A

B

- | | |
|--------------------|------------------------------|
| 1) Seed coat | a) protective cover of seed. |
| 2) Cotyledons | b) Seed-leaves. |
| 3) Coconut seeds | c) dispersal by water |
| 4) Cardiac muscles | d) Involuntary |
| 5) upper arm | e) Humerus |
| 6) Iris | f) Coloured circle in eye. |
| 7) Spinal cord | g) reflex actions |
| 8) Anaemia | h) lack of iron |
| 9) Rickets | i) lack of vitamin (D) |
| 10) Dengue | J) Mosquitoes |

[B] => Give reasons for the following.

Q1) Rice is grown in summer.

Ans Rice is grown in summer because it needs a lot of water to be grown well. In summer season. It gets water from monsoon rain.

Q2) Fertilizers are added to the soil by farmers.

Ans farmers add fertilizers to the soil to grow healthy crops and get good crops.

Q3) Reproduction is very important for all living beings?

Ans Reproduction is very important for all living beings to continue their existence.

Q4) Animals need to move....

Ans Animals need to move in search of food and shelter and to escape from danger.

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Q5) Oxygen is important for animals.

Ans Animals cannot survive without oxygen as it is essential for breathing.

Q4) [A] Answer the following Questions.

Q1) What is germination?

Ans The process through which a seed produces a baby plant or seedling is called germination.

Q2) What are the various methods of vegetative propagation?

Ans The various methods of vegetative propagation are root planting, stem cuttings, stem planting and keeping leaves in moist soil.

Q3) What type of teeth does a lion have?

Ans A tiger has very sharp, pointed front teeth for tearing the flesh. Its back teeth have sharp edges. It uses them to chew the flesh and bones.

Q4) What are carnivores?

Ans The animals that eat the flesh of other animals are called carnivores.

Q5) What are floating ribs?

Ans The last two pairs of ribs are not attached to the chest bone, but only to the backbone and hence are called floating ribs.

Q6) What is bone marrow?

Ans The long bones of the skeleton are filled

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with a soft fatty material which is called bone-marrow.

Q7) What is the brain?

Ans The brain is the organ of our body that controls and coordinates all our actions.

Q8) What is the function of the medulla?

Ans Medulla controls all our involuntary activities such as breathing, heartbeat, swallowing and sneezing.

Q9) Name the different parts of the nervous system?

Ans The different parts of the nervous system are nerve, spinal cord and brain.

Q10) What is reflex action? Give an example?

Ans An automatic movement in response to a stimulus is called a reflex action. For example, when we touch a hot object accidentally we withdraw our hand immediately.

B7) => Draw a Diagram:-

1) Backbone (Spine)

Backbone

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2) The tongue

