**SINDHI HIGH SCHOOL, HEBBAL**

**I-Periodic Test [2022-23]**

**Subject: Science**

**Class: VIII Max. Marks: 30**

**Date: 03.08.2022 Reading time: 8:00 am to 8:10 am**

**No. of sides: 3 Writing Time: 8:10 am to 9:10 am**

**General Instructions:**

* (i) The question paper comprises of four sections A, B, C and D. There are 15 questions in the question paper. **All questions are compulsory.**
* (ii) Section–A - question no. 1 to 8 - all questions and parts thereof are of one mark each. These questions contain multiple choice questions (MCQs), very short answer questions, assertion - reason type questions and Case study.
* (iii) Section–B - question no. 9 to 11 are short answer type questions, carrying 2 marks each.
* (iv) Section–C - question no. 12 to 14 are short answer type questions, carrying 3 marks each.
* (v) Section–D – question no.15 is long answer type question carrying 4 marks.
* (vi)Wherever necessary, neat and properly labeled diagrams should be drawn.

**SECTION-A**

1) An object 10cm high is placed at a distance of 50 cm from a plane mirror. The size of the   
 image will be.  
 (a) 20 cm (b) 40 cm  
 (c) 10 cm (d) 100 cm

2) The formula of the nitrate ion:

(a) NO**2****1-** (b) NO3**1-**

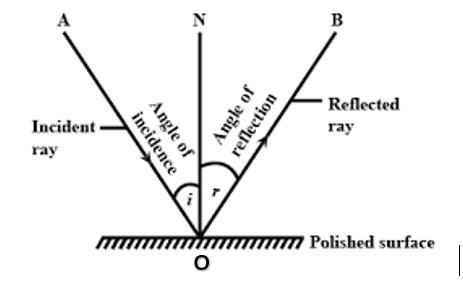
(c) NO**3-**(d) N**3****1-**

3) IVF stands for:

  (a) Inevitable fertilisation (b) In vitro fertilisation

(c)  In vitro fermentation (d) Inverted fertilisation

4) In the given picture below if <AON=400 , find <AOB. Justify.



5) Student ‘**A’** has difficulty in reading the words written on the blackboard while sitting in the last row. Student **‘B’** has difficulty in reading his book placed closely. What could be the defects the students ‘A’ and ‘B’ are suffering from?

**For question numbers 6 and 7, two statements are given- one labelled   
 Assertion (A) and the other labelled Reason (R).**

**Select the correct answer to these questions from the codes (a), (b), (c)**

**and (d) as given below:**

1. **Both A and R are true, and R is correct explanation of the assertion.**
2. **Both A and R are true, but R is not the correct explanation of the assertion.**
3. **A is true, but R is false.**
4. **A is false, but R is true.**

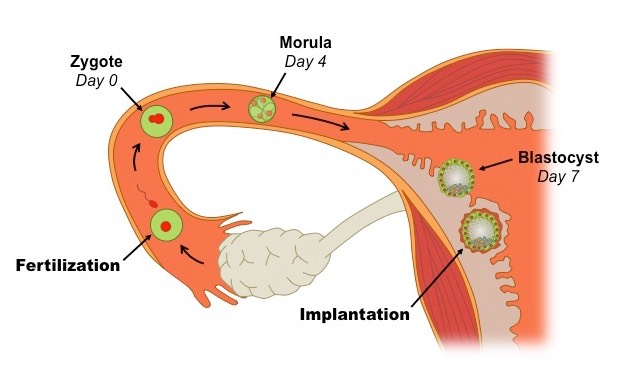
6) Assertion (**A**): Gold and Silver are used to make jewellery.

Reason (**R**): Gold and Silver are lustrous.

7) Assertion (**A**): Owl can move freely at night.

Reason (**R**): They have large number of cones in their retina.

8) **Observe the diagram and answer the following questions from 8(i) to 8(iv)**



(i) Internal fertilisation takes place  
 (a) inside male body (b) inside female body  
 (c) outside female body (d) outside male body

(ii) The fusion of sperm and ova usually occur in the  
 (a) oviduct (b) ovary   
 (c) testis (d) uterus

(iii) The cell formed after fertilisation is called  
 (a) embryo (b) foetus  
 (c) zygote (d) egg

(iv) The stage at which the embryo resembles the human form is:  
 (a) baby (b) zygote  
 (c) organ (d) foetus

**SECTION-B**

9) How many plane mirror strips are there in a kaleidoscope? How are they arranged?

10) a) Write the chemical formulae of the following:

i) Calcium hydroxide ii) Ammonium sulphate

b) Write the names of the following compounds:

i) K2CO3 ii) FeCl3

11) Name the process of reproduction in Amoeba with a neat labelled diagram.

**SECTION-C**

12) Balance the following equations:

a) NaOH + H2​SO4 ​→ Na2​SO4​ + H2​O

b) H2​S + Cl2​ → S + HCl

c) K + H2​O → KOH + H2​

13) Identify the property of the element utilised in the following cases:

a) Aluminium foil is used for wrapping food.

b) Graphite is used in making electrodes.

c) Metals are used for making temple bells.

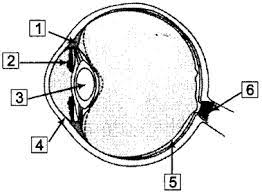
14) The animal **A** which is classified as an amphibian lays eggs in pond water. The hatching   
 of its eggs produces a tailed-form **B** which looks very different from the animal **A**. The   
 form B then undergoes a change **C** and gets converted into animal **A**.

a) Name (i) animal **A** and (ii) form **B**

b) What is the change **C** known as?

c) Name the breathing organs of **A**.

**SECTION-D**

15) a) Label 1,2,3,4,5 & 6 from the given   
   
 diagram.

b) What is the blind spot in an eye?

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