

FORMATIVE ASSESSMENT – THIRD MID TERM**SCIENCE****Max. Marks: 50****Std - VII****Time: 2 Hrs**

Name of the School: _____	Name of the Student: _____
Place: _____	Roll No.: _____

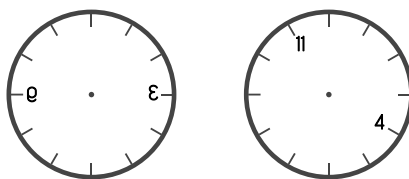
I. Choose the correct answer:**10 x 1 = 10**

- Shadows are formed when light falls on a _____ surface.
a) transparent b) opaque c) translucent d) smooth
- Of the following _____ is the best reflector and _____ is a poor reflector.
a) wall, glass b) steel spoon, wood
c) plastic cup, paper cup d) both a and c
- The nature of an image formed in a mirror is _____.
a) virtual, diminished and laterally inverted b) virtual, same size and laterally inverted
c) real, inverted and magnified d) real, same size and laterally inverted
- Optical fibre is the fastest medium of communication because _____.
a) it obeys laws of reflection b) it is made of glass
c) it is cheap and easy to make d) light is the fastest
- Reflection of light from a smooth surface is _____ and that on a rough surface is _____.
a) diffused, specular b) irregular, regular
c) improper, proper d) specular and diffused
- This animal fibre is used in parachutes.
a) Silk b) Wool c) Both a and b d) None of these
- _____ is an Indian variety of bee used in apiculture.
a) Apis mellifera b) Apis florae c) Apis ahimsa d) Apis mohair
- Which are of these is not an animal fibre?
a) Wool b) Silk c) Jule d) None of these
- This wool is get from a rabbit.
a) Yak wool b) Angora wool c) Worm wool d) Cocoon wool
- Worker bees are _____ females.
a) sterile b) fertile c) aspergillosis d) eri

II. Answer the following: (Any 7)**7 x 2 = 14**

- Fill in the blanks with bold suitable words.
a. Light falling on a mirror undergoes _____
b. A _____ works on the principle of reflection and is used to see elevated objects.
- Match the following:
a) Light (i) Moon
b) Plane mirror (ii) Form of energy
c) Non luminous (iii) Splitting of white light
d) Spectrum (iv) Opaque

13. Complete the sentences by giving reasons: Rainbow is formed because _____.
14. You are looking at the image of a clock through the mirror at 6.20. Draw the hours arm and minutes arm as could be seen in mirror and in a wall clock.

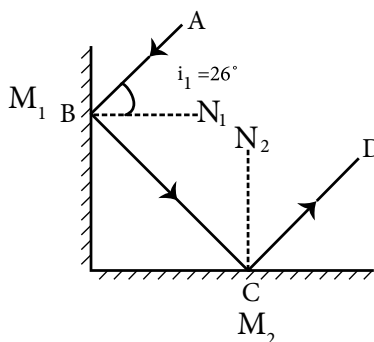


15. Differentiate between natural and artificial sources of light.
16. State whether the following sentences are True or False. Correct the statement if false:
- Incubation period for the egg of hen is 30 days.
 - Silk is used as an insulator in space vessels.
17. Analogy:
- Aspergillosis : caused by fungus :: Salmonellosis : _____
 - Alpaca, Mohair : Types of wool :: Eri, Muga : _____
18. Assertion and Reason Questions:
- Assertion (A): Eggs are highly nutritious and rich in protein.
Reason (R): They are consumed in the daily diet by people of all ages.
 - Assertion (A): Ahimsa silk is also known as peace silk.
Reason (R): Silkworms are killed during the process of manufacturing the fabric.
- A) Assertion is correct, Reason is correct B) Assertion is correct, Reason is incorrect
C) Assertion is incorrect, Reason is correct D) Both Assertion and Reasoning are incorrect
19. What is shearing?

III. Answer the following (Any 3):

3 x 4 = 12

20. State the laws of reflection.
21. Define the different terms in optics related to reflection.
22. Two mirrors are placed perpendicular to each other as in the diagram. Answer the questions given below.



- Incident rays are _____ and _____.
 - What is the angle of incidence for M_2 ?
 - What is the angle between ray BC and M_2 ?
23. What are the different ways in which we can care for domestic animals?
24. a) What is incubation?
b) What is reeling?

IV. Answer in detail: (Any 2)

2 x 7 = 14

25. What are the uses of silk?
26. Write a short note on Ahimsa silk.
27. Explain the formation of an eclipse.
28. Explain the different types of medium based on interaction of matter with light.