

SCERT, Andhra Pradesh

**Teleconference on OMR based
Objective Type Question Papers
for class VIII and IX**

SA-I -2017

SYLLABUS

PHYSICAL SCIENCES

Class 8 : 1-6 chapters

Class 9 : 1-6 chapters

Number of questions $80 \times \frac{1}{2} = 40$ Marks

BLUE PRINT

Academic standard	Percentage	Number of questions	marks
Academic standard –1	40%	32	16
Academic standard – 2	10%	08	04
Academic standard – 3	15%	12	06
Academic standard – 4	15%	12	06
Academic standard – 5	10%	08	04
Academic standard – 6	10%	08	04
		Total Marks	40

Nature of Questions

Academic Standard -1

- Multiple choice questions**
- Multiple answer questions**
- Matching**
- Examples /units/values**
- Statements**
- Relations**

Academic Standard -2

Questioning

Assertion Reason

Predicting

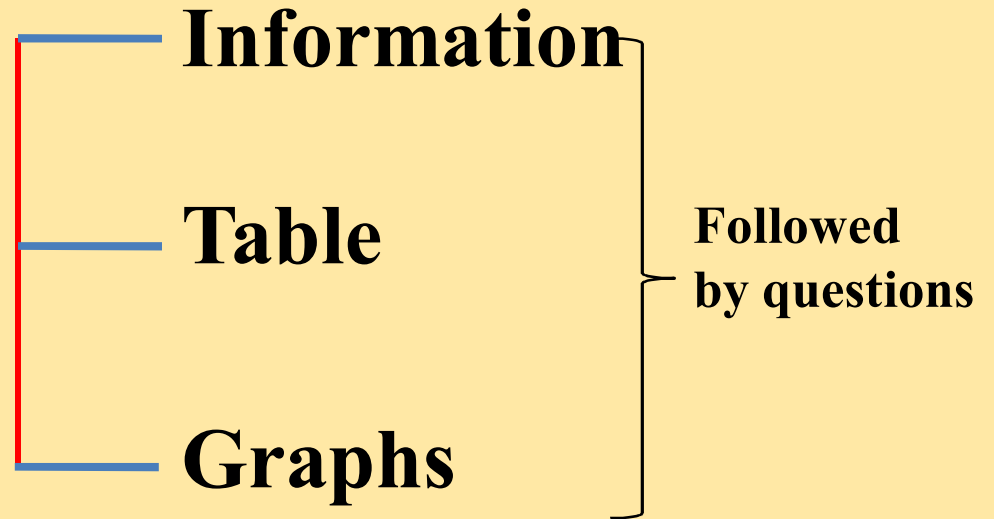
Academic Standard - 3

Process (Rearrange)

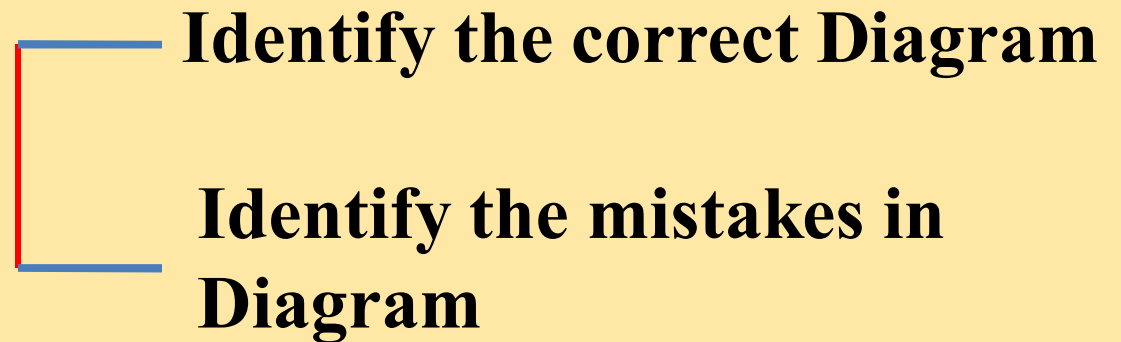
Apparatus

Precautions, Result

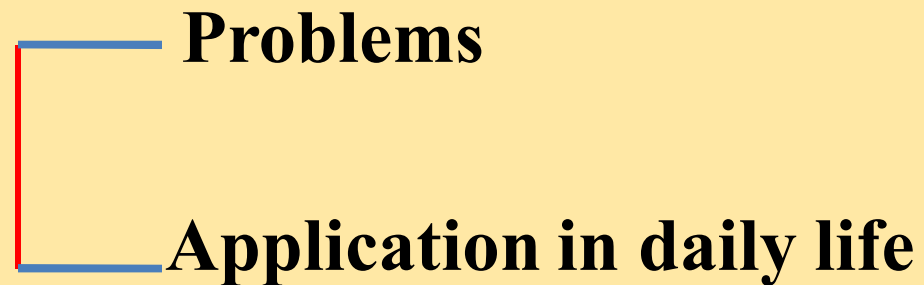
Academic standard -4



Academic standard - 5



Academic standard - 6



Academic Standard -1

1) Match the following questions (Set A with proper units in set B)

Set-A

P) Displacement

Q) Velocity

R) Acceleration

1) p-x , q-y , R-z

3) p-z, q-x, R-x

Set-B

X) ms^{-2}

Y) ms^{-1}

Z) m

2) p-z, q-x, R-y

4) p-y, q-z, R-x

2) Which of the following is a field force?

a) Gravitational force

b) Normal force

c) Electrostatic force

1) a, b, c

2) a, b

3) b, c

4) a, c

3) Find correct possible symbol among the following

1) Al

2) chr

3) CL

4) Be

4) Vardhini : All plastics are harmful, So it should be banned.

Teja : Recyclable plastic can be used.

- 1) Both Vardhini and Teja are correct
- 2) Both Vardhini and Teja are wrong
- 3) Vardhini is correct, Teja is wrong
- 4) Vardhini is wrong, Teja is correct

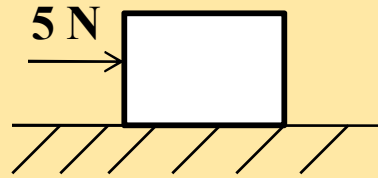
Academic Standard -2

5) Assertion (A) : Dust comes out of a carpet. When it is beaten up with a stick.

Reason (R) : It is because of law of inertia

- (1) Both Assertion and Reason are Correct and R is Correct explanation of A.
- (2) Both A and R are correct but R is not a correct explanation of A.
- (3) A is correct, R is wrong
- (4) A is Wrong, R is correct

6)



In the above figure Maximum Frictional force between the Surfaces is 10N. What will be the frictional force act on the object ?

1) 10N

2) 5N

3) 0

4) 15N

7) Rohith on the way to reach home, He observed Mud settles down in a small puddle on the road. What will be the possible questions araised in his mind.

a) Why the particles settles down, why can't up?

b) Is it a Colloid (or) Suspension ?

c) What type of mixture is it?

1) a, b, c

2) b, c

3) a, c

4) a, b

Academic Standard-3

8. Rearrange the following sentences into a meaningful experiment.

- a) Sum of the masses before reaction is equal to the sum of masses after reaction .
 - b) Take sodium sulphate aqueous solution in conical flask and barium chloride aqueous solution in a test tube
 - c) now mix two solutions and find the total mass
 - d) keep the test tube in Conical flask without mixing and find their total mass.
- 1) b, d, c, a
 - 2) a, b, c, d
 - 3) c, a, d, b
 - 4) d, c, b, a

9. In Burning of coal experiment which of the following apparatus is not required.

- 1) Coal
- 2) Jet tube
- 3) Camphor
- 4) Bunsen burner

10. Somarathna when doing an experiment she mixed Sulphur powder with iron powder, after heating, she added HCl to it, a gas is evolved, the precautions not to be taken while doing this experiment is

- a) Don't touch the HCl with the hand
- b) Heat the mixture in Boiling test tube only.
- c) Don't inhale the gases evolved.
- d) Keep your eyes closed while doing experiment

1) a

2) b

3) c

4) d

Academic Standard-4

11. If the valence of Sodium is 1 and that of carbonate is 2 then the formulae formed by this compound is

- 1) Na_2CO_3
- 2) $\text{Na}(\text{CO}_3)_2$
- 3) NaCO_3
- 4) Na_3CO_3

Read the following Paragraph and answer the questions 12 and 13

Sound pollution is also a severe problem which is harmful to human beings. If we exposed to the sound of 80 dB continuously it may lead to ear problems.

12. Here “dB” is related to

- 1) Pitch of the sound
- 2) Loudness of the sound
- 3) Quality of the sound
- 4) Melody of the sound

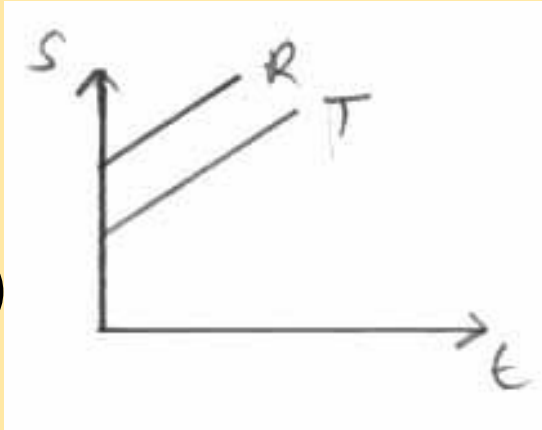
13. Which of the following is not a harmful effect of the sound Pollution

- 1) Sound sleep
- 2) Hyper tension
- 3) Increasing of Blood Pressure
- 4) Sleeplessness

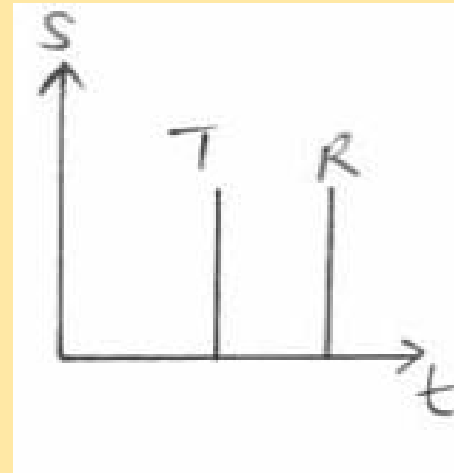
Academic Standard-5

14. Which of the following S-t graph represent speed of Rabbit (R) is more than that of Tortoise (T)

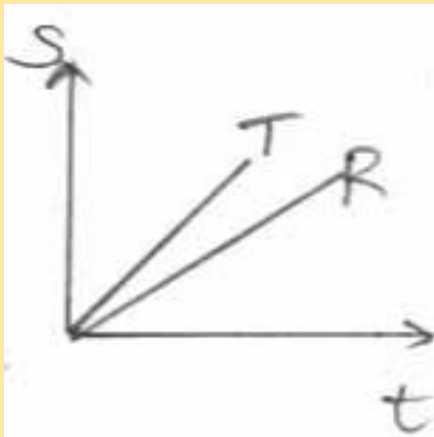
1)



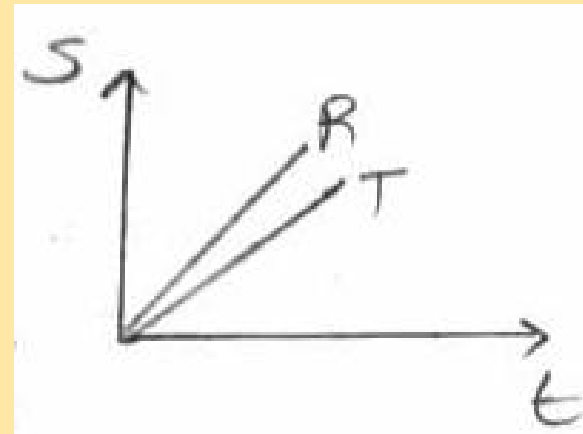
2)



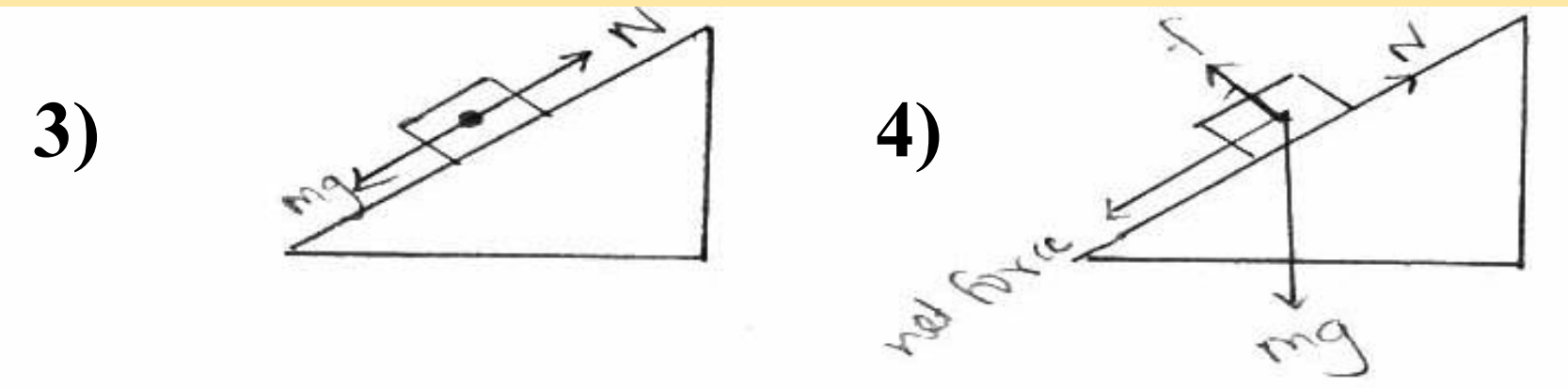
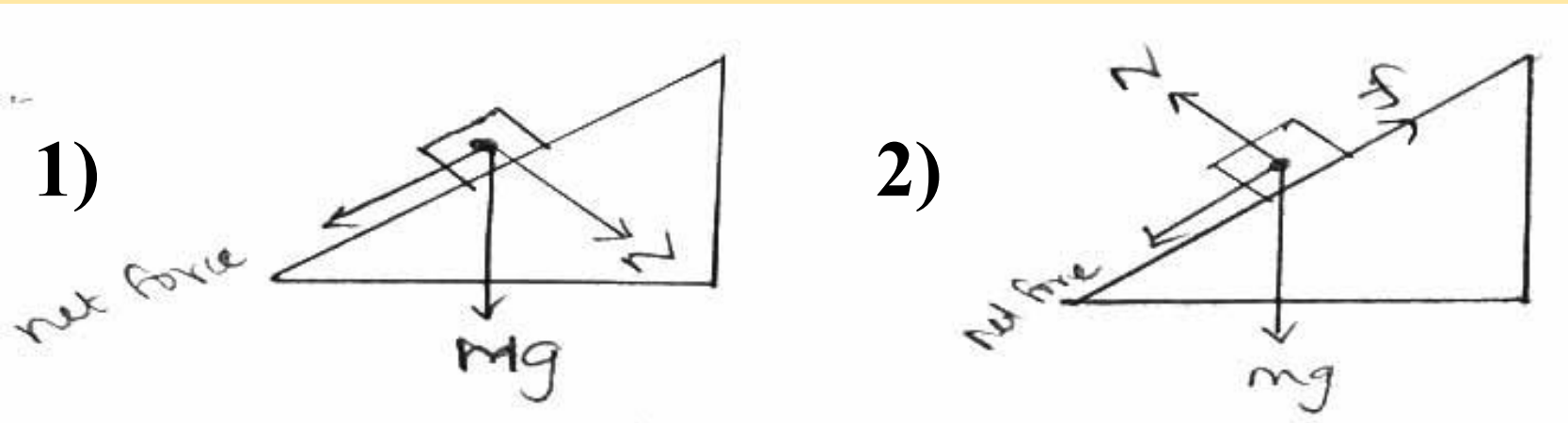
3)



4)



15. Which of the following diagram is correct representation of forces acting on the block kept on inclined plane



16. Which of the following diagram represents the separation of mixture by sublimation

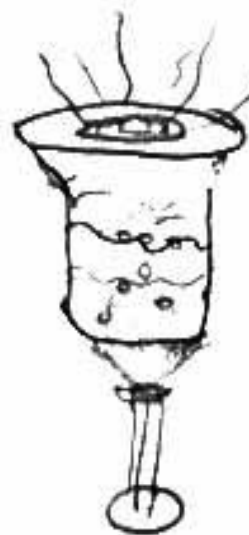
1)



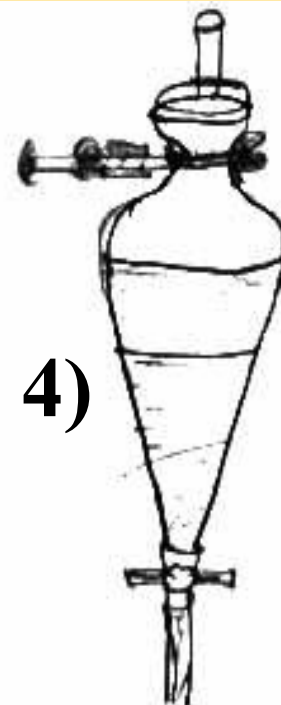
2)



3)



4)



Academic Standard -6

17) 22 grams of CO_2 into a mole is

- 1) 0.5M
- 2) 0.25M
- 3) 2M
- 4) 0.05M

**18. In Winter season people buy
Clothes made of**

- 1) Wool
- 2) Acrylic
- 3) Terricot
- 4) both 1&2

19. The earth attracts the moon with a force of x newton. With how much force do moon attracts the earth?

- 1) Greater than x newton
- 2) Less than x newton
- 3) Equal to x newton
- 4) 0

Thank You