

- IV. Gas 'Z' turns solution 'Y' milky.
 A. I and II only B. III and IV only
 C. I only D. None of these

30. Match column I with column II and select the correct option from the given codes.

Column I	Column II
P. Teflon	(i) Can be blown up into large foam containing air bubbles
Q. Polystyrene	(ii) Easily moulded, can be rolled into thin sheets
R. Polythene	(iii) Tougher than polythene, can be coated on cloth
S. PVC	(iv) Has high melting point and very low friction

A. P-(ii), Q-(iii), R-(i), S-(iv)
 B. P-(iii), Q-(ii), R-(iv), S-(i)
 C. P-(iv), Q-(ii), R-(iii), S-(i)
 D. P-(iv), Q-(i), R-(ii), S-(iii)

31. Coal is a fossil fuel and it cannot be prepared in the laboratory or industry because the formation of coal

- I. is a very slow process
 II. needs very low pressure and low temperature
 III. needs very high pressure and high temperature
 IV. causes air pollution.

Select the correct statements.

- A. I and II only B. II and IV only
 C. I and III only D. III and IV only

32. Ms Akshita, a class 8 teacher has written names of some resources/materials (i-x) on the blackboard as follows :

(i) Forests (ii) Coal (iii) CNG (iv) Polythene
 (v) Minerals (vi) Oxygen (vii) Solar energy
 (viii) Petrol (ix) Detergents (x) Wind energy

She asked her students to classify them into three categories I (exhaustible resources), II (man-made materials) and III (inexhaustible resources).

The correct classification is

	I	II	III
A.	(i), (ii), (iii), (v), (viii)	(iv), (ix)	(vi), (vii), (x)
B.	(iv), (ix)	(i), (ii), (iii), (v), (viii)	(vi), (vii), (x)
C.	(i), (ii), (v), (vi)	(iii), (vii), (viii), (x)	(iv), (ix)
D.	(i), (ii), (v), (vi)	(iv), (ix)	(iii), (vii), (viii), (x)

33. The following statements were given by four students Rahul, Rita, Manu and Kritika.

Rahul : Crystals of lead nitrate when heated strongly produce a reddish-brown gas.

Rita : Production of nitric oxide by heating nitrogen and oxygen at high temperature is an exothermic process.

Manu : Slaking of lime is an endothermic process.
 Kritika : When hydrogen is passed over heated black copper oxide, oxidation and reduction reactions occur simultaneously.

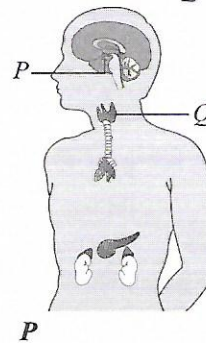
The correct statements are given by

- A. Rita and Manu only B. Kritika only
 C. Rahul and Kritika only D. Rahul only.

34. Read the given statements and select the option that correctly fills blanks in any two of them.

- (i) Rust and smut are _____ diseases of wheat.
 (ii) Sprinkler system of irrigation is useful for _____ soil.
 (iii) Late blight of potato is a _____ disease.
 (iv) Wilting in some cases causes _____ tissue to get blocked and as a result plant dies.
- A. (i) -Fungal, (iv)-Xylem
 B. (ii)-Sandy, (iii)-Viral
 C. (i)-Bacterial, (iii)-Fungal
 D. (ii)-Clayey, (iv)-Phloem

35. Refer to the given figure and select the correct option regarding functions of P and Q.



- A. Normal growth of body Regulation of calcium and phosphate level in blood
 B. Regulation of blood glucose level Metabolism
 C. Mineral balance Sleep-wake cycle
 D. Blood pressure Fight and flight actions

36. Match column I with column II and select the correct option from the given codes.

Column I	Column II
(i) Fluoride	(a) Delays reflexes
(ii) Carbon monoxide	(b) Anaemia
(iii) Copper	(c) Delay in mental development
(iv) Lead	(d) Bone disorders
(v) SPM	(e) Respiratory disorders

(i) (ii) (iii) (iv) (v)

A. (d) (a) (e) (b) (c)
 B. (d) (a) (b) (c) (e)
 C. (a) (e) (b) (c) (d)
 D. (e) (b) (c) (d) (a)