



OSDAV Public School, Kaithal

May Test (2024)

Class : VIII

Subject : Science

Set -A

Time: 50 min.

M.M. : 20

General Instructions:-All questions are compulsory.

Name :- _____

Roll No:- _____

Section:- _____

Q.No.	Questions	Marks
1	LPG means:- (a) Liquified Petrol Gas (b) Liquified Petroleum Gas (c) Liquid Petrol Godown (d) Liquid Petroleum Gas	1
2.	Which of the following fibre has highest tensile strength ? (a) Cotton (b) Silk (c) Rayon (d) Nylon	1
3	Which material is used for making bottles and jars? (a) PET (b) polythene (c) bakelite (d) melamine	1
4	A product that is not obtained through the refining of petroleum, is- (a) diesel (b) kerosene (c) coal gas (d) petrol	1
5	The correct choice ,for the box, in the following sequence, is - thermoplastic: PVC; thermosetting plastic: _____? (a) nylon (b) polystyrene (c) melamine (d) polythene	1
6	_____ is a truly artificial (man- made) fibre. (a) Rayon (b) Cotton (c) Jute (d) Nylon	1
7	The process of conversion of dead plant material into coal is called:- (a) destructive distillation (b) refining (c) carbonisation (d) combustion	1
8	_____ is used in making Electrical switches, handles of cooking utensils. (a) Melamine (b) Acrylon (c) Bakelite (d) Rayon	1
9	Which of the following is a renewable source of energy? (a) Coal (b) Diesel (c) Petrol (d) hydro energy	1
10	_____ is used to run generators and heavy vehicles. (a) Kerosene (b) Diesel (c) Fuel oil (d) Lubricating oil	1
11	For question number 11 two statements are given- one labelled Assertion(A) and other labelled Reason (R). Select the correct answer to this question from the codes(i),(ii),(iii) and (iv) as given below:- (i) Both A and R are true and R is the correct explanation of A. (ii) Both A and R are true but R is not the correct explanation of A. (iii) A is true but R is false. (iv) A is false but R is true. Assertion(A) : It is advisable not to wear clothes made up of synthetic fibres while working in the kitchen. Reason(R): Synthetic fibre have low melting point and form sticking beads at high temperature. Ans:	1



OSDAV Public School, Kaithal

May Test (2024)

Class :VIII

Subject : Science

Set -B

Time: 50 Min

M.M. : 20

General Instructions:- All questions are compulsory.

Name :- _____ Roll No:- _____ Section:- _____

Q.No.	Questions	Marks
1	CNG means:- (a) Carbon Natural Gas (b) Compressed Nature Gas (c) Compressed Natural Gas (d) Compressed Natural Godown	1
2.	Which of the following fibre is also called 'regenerated fibre'? (a) Cotton (b) Terylene (c) Rayon (d) Nylon	1
3	Which fibre is used for making parachutes and ropes for rock climbing and fishing nets? (a) PET (b) Polythene (c) Terylene (d) Nylon	1
4	A product that is obtained through the refining of petroleum, is- (a) coke (b) kerosene (c) coal gas (d) coal tar	1
5	The correct choice ,for the box, in the following sequence, is - thermoplastic:Polythene ; thermosetting plastic:_____? (a) Nylon (b) Polystyrene (c) Bakelite (d) PVC	1
6	_____ is the first fully synthetic fibre. (a) Rayon (b) Cotton (c) Jute (d) Nylon	1
7	The process of separating different components of Petroleum into their various useful forms is called:- (a) Destructive distillation (b) refining (c) carbonisation (d) combustion	1
8	_____ is used in making Kitchenware and fabrics which resist fire. (a) acrylon (b) melamine (c) bakelite (d) rayon	1
9	Which of the following is Non-renewable source of energy? (a) wind energy (b) coal (c) solar energy (d) hydro energy	1
10	_____ is mainly used as fuel in cars, scooters and motorcycles. (a) kerosene (b) Diesel (c) Petrol (d) lubricating oil	1
11	For question number 11 two statements are given- one labelled Assertion(A) and other labelled Reason (R).Select the correct answer to this question from the codes (i),(ii),(iii) and (iv) as given below:- (i) Both A and R are true and R is the correct explanation of A. (ii) Both A and R are true but R is not the correct explanation of A. (iii) A is true but R is false. (iv) A is false but R is true. Assertion(A) : Clothes made from synthetic fibres are very uncomfortable in summer and rainy season. Reason(R): Synthetic fibres do not absorb sweat. Ans :	1

12	Answer the following question in one word / in one sentence.	5×1=5
	<p>(a) Name white semi-solid, which is often used as grease, for making vaseline and candles. Ans :</p> <p>(b) Name any two cleaner and better fuels. Ans :</p> <p>(c) Write any one measure to control the damage caused by plastic waste. Ans :</p> <p>(d) Differentiate between thermoplastic and thermosetting plastics on the basis of arrangement of molecules in them. Ans :</p> <p>(e) Define the term 'Non- biodegradable'. Ans :</p>	
13	<p>Coal is a solid fuel which is mainly composed of carbon, it also contains hydrogen, sulphur, oxygen and nitrogen. It is a fossil fuel. It is burnt for getting heat and energy. About two third of the presently mined coal is burnt in power stations to make electricity. Burning of coal contributes to many environmental and health issues. Hence, we must use it judiciously.</p> <p>(a) Name the type of coal that is used for power generation and for making another type of fuel called coke. Ans :</p> <p>(b) Differentiate between Bituminous and Anthracite on the basis of carbon content present in them. Ans :</p> <p>(c) Which product of coal is used to make :- (a) Fuel Gas (water gas) Ans: (b) Paints and dyes. Ans:</p> <p>(d) Define the term ' carbonisation'. Ans :</p>	4×1=4

OSDAV PUBLIC SCHOOL, KATHAL

May Exams - 2024-2025

Class VIII

Science and Technology

Set- A

Marking Scheme / Hint to Solutions

Note: Any other relevant answer, not given here in but given by candidates, be suitably awarded.

Que No	Value Points / Key points	Marks allotted to each key point / Value point	Total Marks 20
1.	(b) liquified Petroleum Gas		1
2.	(d) Nylon		1
3.	(a) PET		1
4.	(c) Coal gas		1
5.	(c) Melamine		1
6.	(d) Nylon		1
7.	(c) Carbonisation		1
8.	(c) Bakelite		1
9.	(d) Hydro energy		1
10.	(b)Diesel		1
11	(i) Both A and R are true and R is the correct explanation of A.		1
12	(a)Petroleum (b) it burns readily and has a high calorific value. (c) They have a long lasting luster./ They last longer as compared to natural fibres./ they are easy to clean./ They dry quickly.(any one) (d)Thermoplastic has linear arrangement of molecules. Thermosetting plastic has a cross linked arrangement of molecules. (e) Biodegradable materials are those which can decompose naturally by bacteria and fungus.	1+1+1+1+1	5
13	(a) X - Anthracite Y-lignite (b) Peat- 30% carbon lignite- 38% carbon (c) Extraction of metals - Coke (d) Photographic materials- Coal tar (e) Strong heating of coal in absence of air is called destructive distillation of coal.	1+1+1+1	4

OSDAV PUBLIC SCHOOL, KAITHAL

MAY Exams - 2024-2025

Class VIII

Science and Technology

Set—B

Marking Scheme / Hint to Solutions

Note: Any other relevant answer, not given here in but given by candidates, be suitably awarded.

Que No	Value Points / Key points	Marks allotted to each key point / Value point	Total Marks
			20
1.	© Compressed Natural Gas		1
2.	(c) Rayon		1
3.	(d) Nylon		1
4.	(b) Kerosene		1
5.	(c) Bakelite		1
6.	(d) Nylon		1
7	(b) Refining		1
8	(b) Melamine		1
9	(b) Coal		1
10	(c)Petrol		1
11	(i) Both A and R are true and R is the correct explanation of A.		1
12	(a)Paraffin wax (b) LPG, CNG (c)use cotton or jute bag./ Do not throw plastic waste carelessly on the road.(any one) (d) Thermoplastic has a linear arrangement of molecules. Thermosetting has a cross linked arrangement of molecules. (e) Non- biodegradable materials are those that cannot be decomposed by natural processes with the help of bacteria and fungus.	1+1+1+1+1	5
13	(a)Bituminous (b) Bituminous - 65% Anthracite- 90% (c)Fuel Gas- Coke paints and dyes-Coal tar (d)Conversion of Dead plants material into coal is called carbonisation.	1+1+1+1	4