

IITJEE Foundation Practice paper

SYNTHETIC FIBRES AND PLASTICS

class-8-Science Number of Questions: 68

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1

Fibres obtained from plants or animals are called :

- Natural fibres Synthetic fibres Man made fibres None of the above

2

Which of the following is a natural fibre?

- Cotton Silk Wool All the above

3

A long, thin strand or thread of material is called:

- Yarn Fibre Acrylic Fabric

4

A cloth material made by weaving or knitting threads together is called:

- Fibre Fabric Wool Jute

5

The fibres that are made by human beings are called:

- Natural fibres Synthetic fibres Animal fibres Stalk fibres

6

Which of the following materials is man made?

- Rayon Koroseal Acrylic All the above

7

Which fibre is obtained by the chemical treatment of wood pulp?

- Rayon Polyester Terylene Silk

8

Rayon is also called regenerated fibre because:

- It is made of caustic soda It is made of cellulose It is made of petrochemicals
 It is made of silk

9

Rayon is mixed with cotton to make:

- Sleeping bags Tents Bed-sheets Carpets

10

Rayon is mixed with wool to make:

- Ropes Parachutes Toothbrushes Carpets

11

Which is the most expensive natural fibre?

- Cotton Silk Jute Wool

12

Which fibre is known as artificial silk?

- Nylon Rayon Polyester Terylene

13

Rayon is different from synthetic fibres because:

- It has a silk like appearance It is obtained from wood pulp
 Its fibres can also be woven like those of natural fibres All the above

14

Which is the polymer, that is made up of long chain of monomers of glucose units?

- Synthetic polymer Natural polymer Cellulose Lactose

15

Name the first fully synthetic fibre ?

- Rayon Teflon Nylon Wool

16

The strongest fibre is:

- Rayon Polyester Silk Nylon

17

Which of the following fibres is used for making bristles of the toothbrush and strings for tennis racquets?

- Nylon Koroseal Polyester Acrylic

18

Which of the following fibres do not burn easily and shrink when burnt, forming beady residue?

- Jute Nylon Cotton All the above

19

Which of the following is not a property of synthetic fibres?

- They do not shrink on washing. They need no ironing. They are biodegradable.
 They are easy to clean and dry quickly.

20

Which fibre is used for making fishing nets and stockings?

- Wool Nylon Jute Silk

21

What material is the rope, used for climbing mountains made up of?

- Jute Silk Nylon Rayon

22

Terrycot, a blended fibre made from:

- Terrylene and cotton Nylon and rayon Terrylene and wool Cotton and Jute

23

Nylon is prepared by polymerising the molecules of:

- Acrylonitrile Phthalic acid Amide molecules Wood cellulose

24

The product formed by the combination of a large number of monomers is called a:

- Polygon Monomer Polymer Polyethylene

25

The polyester is made up of :

- Acrylonitrile Cellulose Esters Ethene glycol

26

Which of the following is not correct in case of synthetic fibres?

- They do not shrink on washing They need little or no ironing
 They absorb more sweat than natural fibres They are easy to clean and dry quickly

27

Which of the following fibres are not made from petroleum products?

- Terylene Acrylon Dacron Rayon

28

Raw materials for the synthetic fibres are derived from :

- Animal products Only coal Petroleum products Plant products

29

The chemicals of petroleum origin used to form synthetic fiber are called:

- Petrochemicals Coal chemicals Carbon chemicals Hydrocarbons

30

Nylon thread is stronger than a steel wire.

- True False

31

Best alternative to wool is :

- Acrylic Rayon Bakelite Dacron

32

When plastics are burnt they release:

- Toxic gases Oxygen gas Biogas Nitrogen gas

33

Which of the following is incorrect regarding plastics:

- They are durable They are recyclable They are biodegradable
 They are bad conductors of heat

34

Plastics which can be bent and moulded again and again to different shapes are called:

- Petroplastics Thermoplastics Thermosetting plastics Polymers

35

Teflon is prepared by the polymerization of which of the following molecules?

- Ethene gas Propene gas Vinyl chloride Tetrafluoroethene

36

Switch board and electric plugs are made of:

- Melamine Teflon Bakelite PVC

37

Plastic which is a poor conductor of heat and used for making handles of cooking utensils:

- PVC Melamine Formica Polysterene

38

Which of the following statements is wrong?

- Teflon can be used as a lubricant Moulding is irreversible in thermosetting plastics
 PVC is good conductor of electricity Plastic causes soil pollution

39

Unbreakable kitchenware is made from :

- Melamine Bakelite PVC PTFE

40

Which of the following is a thermoplastic?

- Bakelite Polyvinyl chloride Urea formaldehyde Polyurethane

41

Such plastic which gets deformed easily on heating is called:

- Thermoplastic Thermosetting plastic Thermostable plastic All the above

42

Which of the following is used for making soles of shoes and gramophone records?

- Polypropene Polythene PVC Teflon

43

How long does it take for a woolen cloth to degrade?

- 10 to 30 days 3 to 4 months 5 to 6 years About one year

44

The first true synthetic plastic was :

- Polythene Melamine Polyestear Bakelite

45

Plastic which resists fire and used for coating firemen's uniform is:

- Terylene Urea formaldehyde Bakelite Melamine

46

The plastic on which oil and water do not stick and withstands high temperature is:

- Melamine Dacron Teflon PVC

47

All electrical wires used in household fittings contain a plastic covering because plastics are :

- Bad conductors of electricity Good conductors of electricity Non durable
 Semi conductors of electricity

48

The raw materials for plastics come from:

- Caster oil Vegetable oil Crude oil LPG

49

Bakelite do not melt on heating because

- Polymers are poor conductors of heat Polymers are attached by strong linear chains
 Polymers are joined by strong cross links None of the above

50

It is dangerous to burn plastics because :

- It can cause soil erosion Increase the number of insects
 Fumes released can cause cancer All the above

51

Plastic won't release harmful chemicals into the surrounding soil.

- True False

52

We should not wear synthetic clothes in kitchen because:

- They are water proof They are non conductors of heat
 They can easily catch fire They are not easily washable

53

The telephone sets are made up of :

- Bakelite Melamine PVC PET

54

Polythene is used to make:

- Adhesive tapes Rubber Textiles Shoes

55

Which plastic is used for making buttons, plugs, switches, and other insulators?

- Bakelite Polystyrene Polythene Polyester

56

Which bags we should use instead of polythene bags to avoid pollution?

- Nylon Acrylic Jute Polyester

57

In which of the following applications, is melamine used?

- Making floor tiles Kitchenware Fabrics which resist fire All the above

58

What are the packing of tablets, syringes, gloves and a number of medical equipment are made up of?

- Melamine Plastic Polyester Rubber

59

A material which gets decomposed through natural processes, such as action by bacteria, is called:

- Synthetic process Degradable process Biodegradable Non-biodegradable

60

Which of the following materials is non-biodegradable?

- Peels of fruits and vegetables Cotton cloth Paper Aluminum can

61

Which of the following options can be used to deal with the problem of waste accumulation?

- Reduce their use Reuse Recycle All the above

62

Like synthetic fibers, plastic is not a polymer.

- True False

63

What is PET?

- Polyester Polyethylene terephthalate Polyester and terylene
 Non of the above

64

The plastics in which monomers are arranged in a straight chain are known as:

- Thermo plastics Thermosetting plastics Elastomers polyisoprene

65

The plastics in which monomers are arranged in a cross link arrangement are known as:

- Thermo plastics Polyethylene polypropylene Thermosetting plastics

66

Which of the following is a thermosetting plastic?

- Polythene Terylene Melamine Polysterene

67

Terylene is a popular form of :

- Nylon Cotton Monomer Polyester

Identify the bag made up of which natural fibre?



- Silk Kemp Jute Jute Cotton

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