

Multiple Choice Questions

1. The ability of carb	on atoms to form	(a) sugar cane	(b) maize			
chains is called		(c) barley	(d) potatoes			
(a) isomerism	(b) catenation	8. Petroleum is refined by				
(c) resonance	(d) condensation	(a) destructive dis				
2. Coal having 90%	carbon contents is	(b) fractional distillation				
called		(c) simple distillat	ion			
(a) peat	(b) lignite	(d) dry distillation				
(c) anthracite	(d) bituminous	9. In laboratory urea was prepared by				
3. Main component of	natural gas is	(a) Wohler	(b) Rutherford			
(a) methane	(b) propane	(c) Berzelius	(d) Dalton			
(c) butane	(d) propene	10. General formula of alkyl radical is				
4. The strong heating	of coal in retorts	(a) $C_n H_{2 n+2}$	(b) $C_n H_{2 n-2}$			
in the absence of air is	called	(c) C_nH_{2n+1}	(d) C_nH_{2n}			
(a) fractional distilla	tion	11. Identify which	one of the following			
(b) sublimation		compounds is a keto	one?			
(c) roasting		(a) (CH3) ₂ CHOH				
(d) destructive distillation		(b) (CH ₃) ₂ CHCl				
. Pitch is black residue of		(c) (CH ₃) ₂ CO				
(a) coke	(b) coal-tar	(d) (CH ₃) ₂ CHCl				
(c) coal	(d) coal gas	12. The functional	group - COOH is			
6. Natural gas is 85	% methane. It is	found in				
used to make the following except		(a) carboxylic acid				
(a) carbon black	(b) ethane	(b) aldehydes	i.			
(c) propane	(d) coal gas	(c) alcohols				

(d) esters

7. Which one of the following does not

contain starch

13. Which one of the	following	(a) pulses	(b) potatoes			
statements is not true about f	fossil fuels?	(c) beans	(d) eggs			
(a) they all contain carbon		21. Conversion of	dead plants into coal			
(b) they are renewable		by the action of l	bacteria and heat is			
(c) they produce pollutants	when burnt	called				
(d) they cause acid rain		(a) carbonization (b) catenation				
14. Which one of the follo	wing is the	(c) hydrogenation	n (d) cracking			
hardest coal?		22. Which one	of the following			
(a) peat (b)	lignite	compounds is an al	dehyde?			
(c) bituminous (d)	anthracite	(a) $CH_3 - CH_2 - CH_3 - CH_$	OH			
15. In which of the follow	ing groups,	(b) CH ₃ – COOH				
oxygen is attached on both	sides with	(c) CH ₃ CHO				
carbon atoms?		(d) CH ₃ COCH ₃				
(a) ketone (b)	ether	23. Formula of a	cetaldehyde is			
(c) aldehyde (d)	ester	(a) $CH - CH_2 OH$	· ·			
16. Carbonization proces	ss is the					
conversion of		O				
(a) coal into coal gas		II.				
(b) coal into wood		(b) $CH_3 - C - OH$				
(c) wood into coal			5			
(d) wood into coal tar		O				
17. Coal gas is a mixture of		II				
(a) CO and CH ₄		(c) $CH_3 - C - H$				
(b) CO, CH ₄ , CO ₂						
(c) CO, CH ₄ , H ₂	, and the second	O				
(d) CO, H ₂ and CO ₂		Ш				
		(d) $H - C - H$				
18. Which one of the following	lowing is a	24. Who put for	ward the vital force			
synthetic fibre?		theory?				
(a) cotton (b) wo	ool	(a) Berzelius	(b) Wohler			
(c) nylon (d) sill	k .	(c) Dalton	(d) Lavoisier			
19. Which one of the follow	ring is not a	25. Who was di	iscarded vital force			
fossil fuel?		theory?				
(a) coal (b) nat	tural gas	(a) Berzelius	(b) Wohler			
(c) biogas (d) pet	troleum	(c) Dalton	(d) Lavoisier			
20. Which one of the follow	ing does not	26. The 1st organic	c compound prepared			
contain protein		in laboratory				

(a) Sodium Chloride	(a) Benzene	(b) Cyclobutane		
(b) Urea	(c) Thiophene (d) Naphthalene			
(c) thiourea (d) Pyridine	34. Silicon occurs in	the form of		
27. Who was prepared acetic acid in	(a) Silica	(b) Silicates		
laboratory?	(c) both a & b	(d) None		
(a) Berzelius (b) Wohler	35. Which one cont	ains double covalent		
(c) Kolbe (d) Dalton	bond?			
28. The branch of chemistry which	(a) Pentane	(b) ethylene		
deals with the study of hydrocarbons	(c) acetylene	(d) all		
and their derivatives is known as	36. Which one con	tains triple covalent		
(a) Organic chemistry	bond?			
(b) Inorganic chemistry	(a) Pentane	(b) ethylene		
(c) Biochemistry	(c) acetylene	(d) all		
(d) Nuclear Chemistry	37. Coal is blackish complex mixture of			
29. The formula which represents the	compounds of			
actual number of atoms in one molecule	(a) Carbon	(b) hydrogen		
of organic compound is called	(c) oxygen	(d) all		
(a) Molecular formula	38. Conversion of wood into coal is			
(b) Structural formula	called			
(c) Condensed formula	(a) Carbonization			
(d) Dot and cross formula	(b) destructive dis	tillation		
30. Molecular formula of butane is	(c) fractional disti	llation		
(a) C_4H_{10} (b) C_5H_5	(d) all			
(c) C_4H_8 (d) C_4H_6	39. The % age of ca	rbon in coal is		
31. Which of the following formula of a	(a) 40-60	(b) 50-70		
compound represents the exact	(c) 40-80	(d) 40-90		
arrangement of the different atoms of	40. The % age of ca	rbon in peat is		
various elements present in a molecule	(a) 60%	(b) 70%		
of a substance?	(c) 80%	(d) 90%		
(a) Molecular formula	41. The % age of ca	rbon is lignite is		
(b) Structural formula	(a) 60	(b) 70		
(c) Condensed formula	(c) 80	(d) 90		
(d) Dot and cross formula	42. The % age of carbon in bituminous			
32. Which one is homocyclic compound?	is			
(a) Benzene (b) Cyclobutane	(a) 60	(b) 70		
(c) Cyclohexane (d) All	(c) 80	(b) 50-70 (d) 40-90 bon in peat is (b) 70% (d) 90% bon is lignite is (b) 70 (d) 90 rbon in bituminous		
33. Which one is hetrocyclic compound?				

43. The strong heating of coal in the absence of air is called

- (a) Carbonization
- (b) Destructive distillation
- (c) Fractional distillation

(d) All

44. Coal gas is the mixture of

- (a) hydrogen
- (b) methane
- (c) Carbon monoxide (d) all

45. Coal tar contains compounds

- (a) benzene
- (b) phenol
- (c) toluene
- (d) all

46. The % age of carbon in coke is

- (a) 60
- (b)70
- (c) 90
- (d)98

47. Natural gas contains

- (a) methane
- (b) ethane
- (c) propane
- (d) all

48. The general formula of alkane is

- $(a)CnH_{2n+2}$
- (b) CnH_{2n-2}
- (c) CnH_{2n}
- (d) CnH_{2n+1}

49. Alkyl radical is derivative of

- (a) alkane
- (b) alkene
- (c) alkyne
- (d) all

50. The functional group of alcohol is

- (a) -OH
- (b) -X
- 0

- 0
- (c) || -C-H
- (d) || -C-OH

51. Aldehyde family consists of functional group

- (a) -OH
- (b) -X
- O

- O
- (c) || -C-H
- (d) || -C-OH

52. Ketonic group contains the functional group

- (a) -OH
- (b) -X
- O

O

- (c) || -C-
- (d) || -C-OH

53. Carboxylic group contains functional

- (a) -OH.
- (b) -X
- O

- 0
- (c) || -C-H
- (d) || -C-OH

Answer Key

1	b	2	С	3	a	4	d	5	b
6	b,c	7	a	8	b	9	a	10	С
11	С	12	a	13	d	14	d	15	b
16	С	17	С	18	С	19	С	20	b
21	a	22	С	23	С	24	a	25	b ·
26	b	27	С	28	a	29	a	30	a
31	b	32	d	33	С	34	С	35	b
36	С	37	d	38	a	39	d	40	a
41	b	42	С	43	b	44	d	45	d
46 .	d	47	d	48	a	49	a	50	a
51	С	52	C	53	d				