SET-01

FORMATIVE ASSESSMENT - 2

CHAPTER-3 : SYNTHETIC FIBRES AND PLASTICS

Name:…….. Section:…… Roll No:…….. Max.Marks:20

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I. Answer the following questions. Each carries four marks. 2 x 4 = 8 M

1) Draw the diagrams that shows the arrangement of monomers in thermo plastics and thermo setting plastics.

2) How many types of fibres are there? Explain by giving two examples for each.

II. Answer the following questions briefly. Each carries two marks. 2 x 2 = 4 M

3) Why nylon is called synthetic fibre? Explain.

4) How can we identify Bakelite substance? Explain.

III. Answer the following in one or two sentences. Each carries one marks. 2 x 1 = 2 M

5) Give two examples for thermo plastics.

6) Expand “PVC”.

IV. Choose the correct choice and write down in the given brackets. 6 x 1 = 6 M

7) A silk fibres smooth surface absorbs light. This statement is …… [ ]

A. True **B.** False **C.** We can’t say **D.** None of these

8) Electric switches are made up of …… [ ]

A. Melamine **B.** Polythene **C.** Bakelite **D.** PVC

9) Father of plastic industry [ ]

A. Hermann staundinger **B.** Leo Hendrik Baekeland

C. Alexander parkes **D.** Issac Newton

10) Computer Key board is made with …… [ ]

A. Melamine **B.** Polythene **C.** Bakelite **D.** PVC

11) These fibres are obtained from plants [ ]

A. Cotton **B.** Wool **C.** Silk **D.** Nylon

12) The given laundry code indicates [ ]

A. Do not wash **B.** Do not dry clean 

C. Do not iron **D.** Iron on room temperature

FORMATIVE ASSESSMENT-2
CHAPTER - 3 : LAWS OF MOTION

Name:…….. Section:…… Roll No:…….. Max.Marks:20

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I. Answer the following questions. Each carries four marks. 2 x 4 = 8 M

1) Define linear momentum. Write the formula. What are the units of momentum in C.G.S. and M.K.S. system ?

2) Write Newton's third law of motion and give two examples in daily life.

II. Answer the following questions briefly. Each carries two marks. 2 x 2 = 4 M

3) What happens to the passengers when a rest bus moves suddenly ? Why ?

4) Draw a neat diagram of balloon rocket.

III. Answer the following in one or two sentences. Each carries one marks. 2 x 1 = 2 M

5) The teacher asked Ramitha a question. Ramitha replied the correct answer "Galileo". Can you guess, What was the question?

6) The cricket player moves his hands back ward while catching the ball. Why ?

IV. Choose the correct choice and write down in the given brackets. 6 x 1 = 6 M

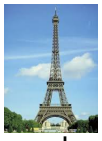
7) Newton proved his three laws of motion by using …… machine. [ ]

A. Atwood machine **B.** Telescope **C.** Spring balance **D.** Stereo scope

8) The S.I. units of mass …….. [ ]

A. Kiogram **B.** Gram **C.** Meter **D.** Litre

9) Identify Pisa tower [ ]

A.  **B.**  **C.**  **D.** 

10) The ball applied force on a wall with smooth surface about 20 N. Then how much force acts on the ball by the wall ……..? [ ]

A. 30 N **B.** 10 N **C.** 20 N **D.** 2 N

11) If net force on a body is zero, then …….. [ ]

A. The body is in acceleration **B.** The body is in deceleration

C. The body changes its direction **D.** The body remains its previous state

12) There are four bodies with masses 10 Kg, 15 Kg, 12.5 Kg and 8 Kg. Among these objects which has more inertia ? [ ]

A. The body with 10 Kg **B.** The body with 15 Kg

C. The body with 12.5 Kg **D.** All have same inertia

FORMATIVE ASSESSMENT-2
CHAPTERS – 4, 5

Name:…….. Section:…… Roll No:……... Max.Marks:20

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I. Answer the following questions. Each carries four marks. 2 x 4 = 8 M

1) How can you prove that acidic solution conduct electricity ? Explain the procedure to be followed?

2) Explain the formation of mirages with total internal reflection concept.

II. Answer the following questions briefly. Each carries two marks. 2 x 2 = 4 M

3) How can you identify the given substance either acid or base by using methyl orange indicator?

4) Read the following table.

	Kerosene	Water
Refractive Index	1.44	1.33

(i) In which medium the speed of light is more ?

(ii) Which of the above substances is optically denser?

III. Answer the following in one or two sentences. Each carries one marks. 2 x 1 = 2 M

5) Name any two olfactory indicators?

6) Draw a diagram to show critical angle.

IV. Choose the correct choice and write down in the given brackets. 6 x 1 = 6 M

7) Tooth decay starts when P^H value …… [ ]

A. equal to 5.5 **B.** less than 5.5 **C.** greater than 5.5 **D.** None of the above

8) When Zinc reacts with Dil. HCl , …… Gas is evolved. [ ]

A. Oxygen **B.** Hydrogen **C.** Nitrogen **D.** Carbon dioxide

9) Formula of Baking Soda [ ]

A. $CaCO_3$ **B.** Na_2CO_3 **C.** $NaHCO_3$ **D.** $Ca(HCO_3)_2$

10) Speed of light in vacuum is …… m/s [ ]

A. 2×10^8 **B.** 3×10^8 **C.** 2.5×10^8 **D.** 3×10^7

11) Snell's formula for refraction [ ]

A. $n_1 . \sin i = n_2 . \sin r$ **B.** $n_1 . \sin r = n_2 . \sin i$

C. $n_1 / \sin i = n_2 / \sin r$ **D.** $n_1 . \sin i = n_2 / \sin r$

12) One micro meter = …… m [ ]

A. 10^{-8} **B.** 10^8 **C.** 10^{-6} **D.** 10^6