

7th class

Summative Assessment-I

2016-2017

General Science

Principles of Evaluation

PART - A section - I

4x2 = 8

1. i) If Peel removed from vegetables we will not get fibre and some rich nutrients.

ii) Fibre is useful for free bowel movement
(2 points 2 marks)

2. i) What are the ingredients required to prepare chicken biryani?

ii) How Rava upma prepared with vegetables?

iii) How to preserve meat for a long time?

iv) What happens if food is not preserved?

(any 2 questions 2 marks)

3. i) chemical energy [Gas or kerosene stove] converts into heat energy

ii) Heat energy converts into steam energy

iii) steam energy converts into mechanical energy

(Any two points 2 marks)

4. i) Farmers plan their agricultural activities.

ii) Fishermen need to know if it will be safe to go out to sea

iii) Plannings to celebrate a function of the family

[2 points 2 marks]

- 5] i) In case of wall clock, change (movement) in the position of minute hand is the same for every minute.
- ii) But in case of the butterfly the change in its position is not constant. It is flying from one flower to another. [2 marks]
- iii) In wall clock case the change of position with time is constant. [2 marks]
(4 marks)

- 6] i) Sudden appearance of clouds
- ii) The wind speed (or) Cool breeze
- iii) The humidity
- iv) The temperature
- are the predictions for rain
[4 points 4 marks]

- 7] i) 18.8.2016
- ii) 15.8.2016, 16-8.2016 and 18.8.2016
- iii) 15.8.2016, 16-8.2016 and 18.8.2016
- iv) 31° (or) 32° (or) 34°
[4 questions 4 marks]

	<u>Food items</u>		<u>Food components</u>
1	Rice	-	Carbohydrate
2	Chapati	-	Carbohydrate
3	Potato	-	Carbohydrate
4	Curd	-	Protein & fat
5	Onion & Tomato	-	Vitamins & minerals
6	Banana	-	Carbohydrate & minerals
7	Dhal	-	Proteins
8	Vegetables	-	Vitamins & minerals and fibre

9] Uses of acids, bases and salts in occasions :-

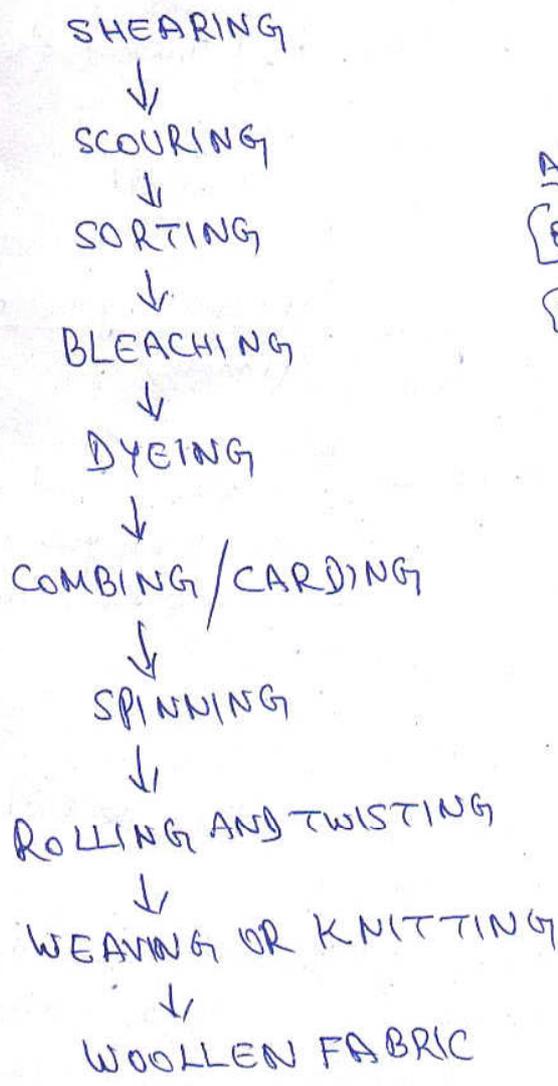
<u>Acids</u>	<u>Bases</u>	<u>Salts</u>
1. Acetic acid (vinegar) Preparation of Pickles	1. Calcium hydroxide bleaching powder	1. Common salt Food Preservation
2. Citric acid (lemon) Preparation of Pulihora.	2. Potassium hydroxide & sodium hydroxide to make soap	2. Washing soda wash clothes
3. Carbonic acid cool drinks	3. Ammonium hydroxide to removal of greasy stains	3. Baking soda cake preparation and make idlis ^{smoothly} and make vada _{crispy}
4. Sulphuric acid Nailbrush, batteries		

[2 from each 4 marks]

Section - III

10] A)

Flow chart



All correct
[8 marks]
(Each stage 1 mark)

(or)

(4)

- B) i) These Jaks will bring the level of mercury down (2 marks)
 ii) Celsius scale, ii) Fahrenheit scale. (2 marks)
 35°C to 45°C
 94°F to 108°F

ii) A) To compare two speeds. They must be expressed in same units.

Speed of a bus = 72 km/h

speed of a car = 12.5 m/s

$1\text{ km/h} = 5/18\text{ m/s}$

$1\text{ m/s} = 18/5\text{ km/h}$

(8 marks)

Thus the speed of car is

$12.5 \times 18/5\text{ km/h} = 45\text{ km/h}$

Hence bus moves faster than car

(or)

B)

Name of the Motion	Translatory motion (1 mark)	Rotatory motion (1 mark)	Oscillatory motion (1 mark)
Examples:	1. Car moving in a straight road 2. bullet from gun 3. an arrow from a bow	1. Motion of a wheel 2. Motion of blades of ceiling fan 3. Motion of a drill bit	1. The girl on a swing 2. needle in sewing machine 3. pendulum in wall clock

(Each 2 examples 5 marks)

- 12) 1) 2% Copper sulphate solution
 2) 10% of sodium hydroxide solution (3 marks)
 3) test tube

Take 10 drops of sample in a clean test tube and add 2 drops of 2% copper solution and 10 drops of 10% of sodium hydroxide solution and shake well. Change of colour to violet (or)

12) B)

- 1) Direction of the wind. (1 mark)
- 2) Paper cup, refill, card board, scissors, nail (2 marks)
- 3) Take two card board pieces and cut them the shape of an arrow and paste them together. Insert a needle in the middle of the arrow. The needle must be long enough to be fixed on a strong base and should allow the arrow to move along the direction of the wind. (5 marks)

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- 1) clinical thermometer
- 2) mercury
- 3) A. bulb B. construction C. capillary tube
- 4) our body temperature

[Each 2 marks (8 marks)]

(or)

i) Life cycle diagram [6 marks]

ii) Pupa stage [2 marks]

Part - B

[20 marks]

- 14-B 15-D 16-B 17-D 18-C 19-A 20-C 21-A
- 22-C 23-C 24-D 25-B 26-B 27.C 28-B 29.-B
- 30-B 31-C 32-A 33-A
