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Assignment
Of
"All subject"

For the fulfilment for the award of the degree

Of

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Childhood And Growing Up

1 Blueprint on any subject up to high school on Blooms Taxonomy. Page No - 1-12

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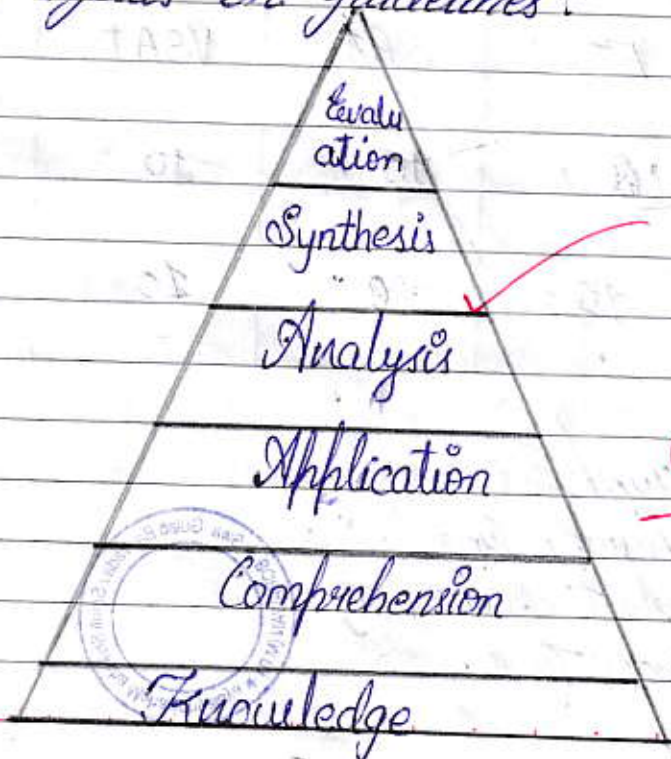
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Build a blueprint on any subject up to high school level and build a question paper based on "Bloom's Taxonomy".

Bloom's taxonomy was developed to provide a common language for teachers to discuss and exchange learning and assessment methods. Specific learning outcomes can be derived from the taxonomy, though it is most commonly used to assess learning on a variety of cognitive levels. The goal of an educator's using Bloom's taxonomy is to encourage higher-order thought in their students by building up from lower-level cognitive skills. Behavioral and cognitive learning outcomes are given to highlight how Bloom's taxonomy can be incorporated into larger-scale education goals or guidelines.



Good



Weightage of Objectives ~

a)

Objectives	Knowledge	Understanding	Application	Skill	Total
Percentage of Marks	45%	40%	10%	5%	100%
Marks Allocated	26	21	18	15	80



b)

Weightage of Different Question ~

Forms of Ques	ET	SAT	VSAT	OT	Total
No of Ques	10	10	10	10	38
Marks allotted	40	20	10	10	80

ET - Essay Type

SAT - Short Answer Type

VSAT - Very short Answer Type

OT - Objectives Type.



Construction of a Question paper -

Following are the basic steps to construct a leaded question paper -

1. Preparation of design of question paper.
 - Weightage of objectives
 - Weightage of different forms / types of question
 - Weightage of different areas of content
 - Estimated time
2. Question paper blueprint.
3. Writing question in item sheet.
4. Assembling the question paper.
5. Question wise analysis.
6. Preparing the scoring key and marking scheme.
- 7.

Preparation of Design of Question paper.

The first step in preparing a blueprint for the test is to construct a design. It has to plan in advance keeping in view the objectives and the content of the course and the forms of question to be used for testing these.

- a. Weightage of objectives - To make a test valid it is necessary to analyze the objectives of the course and decide which objectives are to be tested and in what properties.
- b. Weightage of Different forms of question - To make a test valid, it is necessary to analyze the objectives of the course to decide which objectives

are to be tested and in what properties, so different forms of question are to be included in the test for testing different objectives & contents

c. weightage to different Areas of content -

It is necessary to analyze the syllabus and allot weightage to different areas of content. This is again done to ensure the validity of the test.

A hypothetical example is given below for a social science or science to showing weightage for class 9th.

Units	Term - 1	Marks
1	Matter - Its Nature & Behaviour	09
2	Organization in the living world	18
3	Motion, Force & work - chap - 8 & 9	13
Units	Term - 2	Marks
4	Matter - Its Nature & Behaviour - ch - 2	18
5	Organization in the living world - ch - 5 & 6	08
6	Motion, force & work - chap - 8 & 9	14
Total Theory (Term I + II)		80
Internal Assessment : Term 1		10
Internal Assessment : Term 2		10
Grand Total		100



Estimated Level.

Level	Percentage of Marks	Marks Allotted
Difficult	10%	08
Average	✓ 60%	44
Essay	30%	27
Total	100%	80

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- d Estimated Time :- For each question, time should be mentioned. For easy type question, a minimum of 15 - 20 min per question should be given, likewise for short answer question 7-8 min & very short answer question 1 min each should be given.
- e Estimated difficulty level ~ while planning the paper, it should be so planned that the difficulty level of the questions varies so as to cater to all the student of the class and also discriminate b/w high achiever & low achievers.

Question paper Blueprint ~ After deciding on the design of the test, the blueprint is prepared. The blueprint is a three-dimensional chart that shows the placement of each question with respect to objectives and the content area that it tests.

Procedure to prepare a blueprint ~

Transfer the decisions regarding weightage to objectives - knowledge, comprehension & expression on the performa.

Transfer the weightage already decided for different content units. For this, list the content units under content areas in the column given on the left-hand and the marks under the column of the total given on the right-hand side.

If in a question, marks are to be split between



Two objectives Indicate it with asterisks and a dotted lines as shown in the example.

Place the essay type question first in the blue print there under the objectives which you want to test through these question.

The marks of the question may be shown in the column under the objectives and the number of question may be given in brackets.

After placing the essay type question, place the short answer type, very short answer under the objectives and beside the content unit that you want to test through them.

Calculate the subtotal & total. Your total should tally with the weightage of objectives and content units that you had already marked on blueprint.

Forms of Question	Marks	No of Question	Total Marks
ET	4/5	10	40
SA	02	10	20
VSA	01	10	10
OT	01	10	10
Total		40	80



Subject - Science

Blue Print
Class - 9th

Time - 03

Marks - 80

S. No	Objective Content	Knowledge (30) ET SA USA DT	Understand (15) ET SA USA OT	Application (20) ET SA USA OT	Skill (15) ET SA USA OT	Total = 80
1	Matter - Its Nature & Behaviour	- - 2(2)	- - 2(2)	- 2(4) - -	- - 1(1)	9
2	Organization in living world	- - 2(8)	- 2(4) - -	- 2(2) - -	- 2(4) - -	18
3	Motion - Force & Work ch-8	- - 2(4)	- 2(8) - -	- - 1(1) - -	- - 2(2) - -	13
4	Matter - Its Nature & Behaviour Chapter - 5 & 6	- - 2(2)	- - 2(2)	- 2(8) - -	- 2(4) - -	18
5	Organization in living world Chapter - 8 & 9	- - 2(8)	- - 2(2)	- - - -	- 2(8) - -	8
6	Motion, Force & Work	4 2 2 4	2 2 2 4	2 2 2 1	- 2(2) - -	40
	Total					80



3. Writing Question in Item sheet ~

While preparing it must be kept in mind

1. It is based on the specific objective of teaching as indicated in the blueprint.
2. It relates to the specific content area as per the blueprint.
3. It is written in the form as required by the blueprint and satisfies all the rules for framing.
4. It is at the desired level of difficulty.
5. It is written in a clear, correct & precise language which is well within the comprehension of pupils.

4. Assembling The question paper ~

After the questions are prepared, they are to be assembled in a question paper form. The order of question is also to be decided while assembling the question paper.

Sometimes it is according to the forms of questions, objective type question may be put first, then very short answer, etc.

5. Preparing question-wise Analysis -

After the question paper and marking scheme are finished it is desirable to prepare a question-wise analysis. This analysis helps in tallying the questions in the test with the blueprint.

It also enables us to know the strengths & weaknesses of the test better e.g.



Through the analysis, we can know how many topics have been covered in the syllabus.

The analysis is done on the following points

1. Number of the question
2. Objectives tested by the question.
3. Specification on which the question is based.
4. Topic covered
5. Form of the question.

Preparing scoring key & Marking scheme -

The scoring key is to be prepared for objectives type question & marking scheme for other question.

The scoring key give the alphabet of the correct answer & the marks carried by each question.

Questn No	Value Point/Key Point	Marks allotted	Total Marks
1	-	1	1
2	-	1	1
3	-		
4	-		
5	-		
6	-	4	4
n	-		



(Signature)

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- 1 Answer the following questions by choosing the options
- a The most abundant material on the plant cell wall is
- 1) Proteins
 - 2) Lipids
 - 3) Wax
 - 4) Cellulose
- b Area under a v-t graph represent a physical quantity which has the unit
- 1) ms^{-1}
 - 2) m^2
 - 3) m
 - 4) m^3
- c Animal husbandry is the scientific management of
- 1) Animal breeding
 - 2) culture of animals
 - 3) Animal livestock
 - 4) Rearing of animals.
- d Survival of plants in terrestrial environment has been made possible by the presence of
- 1) Conducting tissue
 - 2) Apical meristem
 - 3) Parenchyma
 - 4) Collenchyma
- e Calculate the formula unit mass of $ZnCl_2$
- 1) 111 u
 - 2) 123 u
 - 3) 124 u
 - 4) 137 u.
- f The structure which form a barrier b/w the protoplasm of cell and its external environment in animal cell is
- 1) Plasma Membrane
 - 2) cell coat
 - 3) cell wall
 - 4) Mucilage
- g The cell enclosing the stoma are called — cells.
- 1) Cambial
 - 2) guard
 - 3) Subsidiary
 - 4) Epidermal
- h Viruses do not show any characteristic of living unit. They enter a living cell, because of
- 1) Membrane
 - 2) Mitochondria
 - 3) Nucleic acid
 - 4) Protein
- i Milk does not provide —
- 1) Iron
 - 2) Carbohydrate, Protein & fat
 - 3) Vitamin A & D
 - 4) Mineral like phosphorus & calcium
- j A sample of $CaCO_3$ contains 3.01×10^{23} ions of Ca^{2+} & CO_3^{2-} . The mass of the sample.
- 1) 200 g
 - 2) 50 g
 - 3) 100 g
 - 4) 5 g.

Q 1 Which of following correctly represents 360 g of water?
1) 2 moles of H_2O 2) 20 moles of water 3) 6.022×10^{23} Molecules

Q 2 Answer the following questions in a word or a sentence.

a Bose-Einstein condensate have?

b Name the particles which determine the mass of an atom?

c Who discovered Neutron?

d Write any two characteristics of the animals belonging to phylum chordata.

e Who discovered vaccine for the first time?

f What do you mean by the planetary electrons?

g What is a thallus?

h Why do fish go in deep water during day light?

Q 3 Answer the following questions in short.

1 How will you demonstrate the air contains water vapour?

2 What are the characteristics of the particles of matter?

3 The element boron occurs in nature as isotopes with atomic mass 10u & 11u. What are the percentage composition of these isotopes?

4 What is the meaning of triploblastic?

5 What are cryptogametes?

Q3 ⑥ Name the reptile made up of 4 chambered heart

7 What are suicidal bags?

8 What is crest & through?

9 What is the function of Middle ear?

10 What is SONAR?

Q4 Answer the following questions in details (CT)

1 If first law of motion holds true, why does a ball rolling on ground stop on its own?

2 State two effects of forces.

3 Two car having masses in the ratio 4:5, accelerate in the ratio 2:3 find ratio of force exerted by.

4 Find the value of g acceleration due to gravity.

5 Find the mass of 1.5 mole of CO_2 molecule.

6 Define polyatomic ion. Give examples.

7 Define Aerosol.

8 What is an octate? why would atoms want to complete their octate?

9 Name & give the function of each cell of xylem.

10 What are pollutants? Give its causes and harmful effects?

