

Paper Marking Procedure Continue...

- ✓ 5 • Use only red ball point for marking, blue for Award list, black for rechecking and green by Head Examiner
- ✓ 6 • Test Installment evaluated by sub and Head Examiner, remarks by H.E on mistake *C.R. 5/6/14*
- ✓ 7 • Three hour compulsory presence of H.E in Marking Center.
- ✓ 8 • Marking of Objective type

Paper Marking Procedure Continue...

- ✓ 9 • Super Checking by Secrecy Officer
- ✓ 10 • Always mark papers according to the instructions by Head Examiner
- ✓ 11 • Do not under line the errors just circle or cross them ✓
- ✓ 12 • Correction of mistakes deducted by Super checker and tally marked answer books with the award list by help of Super checker

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Paper Marking Procedure Continue...

- ✓ 13 • Always award separate numbers to all parts of the questions and then filter over the questions of least numbers
- ✓ 14 • Percentage Checking of Papers by Head Examiner
- ✓ 15 • Preparation of Award list *فہرست جوڈاں*
- ✓ 16 • File UMC if candidate shows his identity or use vulgar language in paper

Paper Marking Procedure Continue...

- ✓ 17 • Report Double / original Roll No. to Chief Secrecy Officer immediately.
- ✓ 18 • Bubble filling
- ✓ 19 • Submission of Bundle to Supervisor

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Mistakes in Marking Reported so far...

Board of Intermediate and Secondary Education, Lahore

Paper Marking Mistakes

- ✓ 1 Separate Marks are not awarded in Short Questions
- ✓ 2 Answer crossed with out remarks and zero is not awarded
- ✓ 3 Avoid Formula marking
- ✓ 4 Questions or portion of a question left Unmarked

Paper Marking Mistakes Continue...

- ✓ 5 Marks not awarded according to attempt
- ✓ 6 Wrong total of parts of questions
- ✓ 7 Wrong grand total on title page
- ✓ 8 Wrong transfer of marks on Title Page

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Paper Marking Mistakes Continue...

- ✓ 9 Award List mistakes
- 10 Award of Excessive Number even than the total
- 11 No signature on Award Lists or Answer Sheets
- 12 Marks awarded to repeated questions

Paper Marking Mistakes Continue...

- 13 Cutting or Overwriting not acceptable on Award List
- 14 No initials on Cutting
- 15 Pre planed circles indorsed on each page of Answer sheet
- 16 Over attempted questions counted wrongly


Paper Marking Mistakes Continue...

- ✓ 17 Questions crossed or circled without reading
- ✓ 18 Zero and 2 numbers are written in same way
- ✓ 19 Use of Ink Remover is not allowed
- ✓ 20 Wrong bubble filling...

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MARKING SCHEME AND KEY FOR BIOLOGY , CHEMISTRY & PHYSICS

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MARKING SCHEME / RUBRICS

- › Marking Scheme provide the means for assessing the response accurately and consistently. It should be based on clear criteria to assess a students.
- › It should show detailed breakdown of marks allocation for each part of a question.



Presentation by Prof M.A.Shahid, Izaz- e- Fazeelat

TYPES OF MARKING

▶ HOLISTIC MARKING :

It offers several dimensions together for evaluation. It views the final response as a set of interrelated task contributing to the whole. Key points are used to assign value to the response. The score provides an overall impression of ability of the given task. It is commonly used with writing products and is efficient and quick. It doesn't provide detailed information about students performance in specific areas of a content or skill.

Presentation by Prof M.A. Shahid, Izaaz-e- Fazeelat

EXAMPLE

For a Question of 4 marks;

Excellent, Reflected by full understanding of concept with no errors = 4 Marks.

Good, Nearly complete understanding with minor errors = 3 Marks.

Average, show some understanding of concepts without serious errors = 2 Marks.

Below Average, Very little limited understanding of concepts with serious errors = 1 Marks.

Irrelevant, no relevance or understanding of concepts = 0 Marks.

ANALYTICAL MARKING :

It breaks down the objective or the response into component parts and each part is scored independently. Total score is the sum of the rating for all of the parts that are being evaluated.

Presentation by Prof M.A. Shahid, Izaz- e- Fazeelat

EXAMPLE:

- › Instead of a Broad Based assessment on your perception, break it down. For Example, assigning 4 marks for Grammar on a 10 marks essay, it can be more specific to include items like subject-verb agreement, Punctuation, Spelling, Clarity and Vocabulary. 4 marks for length, selection and organization of ideas based on some key points and 2 marks for some innovations/ critical judgements.

Presentation by Prof M.A. Shahid, Izaz- e- Fazeelat

MARKING OF SAQs

- › They should be assessed on the varying degree of credits for correct or partially correct answers. The marking scheme should include enough information or examples to allow different rates to arrive at the same score for a given student response.

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EXAMPLE :

For a SAQ of 2 marks.

For Complete appropriate answer = 2 marks

For Partially appropriate answer = 1 marks

For Incomplete answer = 0 marks

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MARKING OF LONG ANSWERS TYPE QUESTIONS

- › The response can be longer and complex but need to be focused and organized. It allows finer level of discrimination in scoring.

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EXAMPLE :

For an item of 3 marks.

For Complete appropriate answer = 3 marks

For Essential points answer = 2 marks

For Partially appropriate answer = 1 marks

For Inappropriate answer = 0 marks

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EXAMPLES FROM BIOLOGY

What is Antidiuretic hormone (ADH)? Give its role also.

Nephron parts :1 Mark, Action of ADH:1 Mark.

1. Nephron-excretory cell consists of Bowman's capsule, Glomerulus, Proximal tubule, Loop of Henle, Distal tubule, Collecting tubule.
2. It actively transport water from the filtrate present in the Loop of Henle to Collecting tubule.

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What are Transgenic plants? Write also one example.

Definition:1 Mark, Example :1 Mark

1. Plants that contain a foreign gene inserted for a specific purpose.
2. A number of pesticides/herbicides resistant species of cotton, corn, potato, soya bean.

What is Deforestation? Describe its effects on the environment.

Definition: 1 Mark, Effects:1 Mark

1. Cutting of forests on a large scale .
2. Effects: Nature balance disturbed, effect climatic conditions of the area, global warming, effect on rainfall, soil erosion, loss of wild life.

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Differentiate between Shivering thermogenesis and Non-shivering thermogenesis.

Definition with example:

Shivering: 1 Mark , Non-shivering: 1 Mark

Shivering Thermogenesis: Production of heat in the body as a result of increased muscular activity: walking, running, skipping.

Non-Shivering Thermogenesis: Production of heat in the body as a result of hormonal activity. e.g. thyroid hormones.



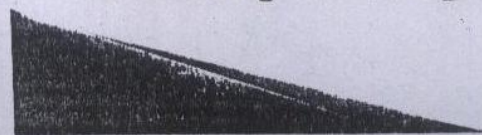
Define Phototactic movements with example.

Definition: 1.5 Mark, Example: 0.5 Mark

The response of a plant / part of plant to stimulus light.


If towards light positive phototactic movements and if away from the stimulus it is negative phototactic movements.

EXAMPLE: Positioning of chloroplast in different parts of leaf or photosynthetic regions according to the light by a process of cyclosis.



SS

EXAMPLES FROM CHEMISTRY



Q. What is meant by Redox reaction?

KEY : Reaction in which oxidation and reduction occurs at the same time.

Q. Describe how the redox reaction in the catalytic converter decreases the amount of CO and NO₂ in car exhausts?


KEY :

CO oxidized to CO₂

1 mark

NO₂ reduces to N

1 mark



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Q. ZnS is a compound formed by heating Zinc powder with Sulfur powder. Describe two differences between a mixture of zinc and sulfur and the Compound ZnS.

Key. Any two:

1. Mixture has no fixed composition but compound does.
2. Components of mixture can be separated by physical means but not of a compound.
3. When mixture forms, no heat or energy changes takes place but for a compound, there is an energy change.
4. The properties of a compound are different from those of the reactants

Q. Describe the importance of ozone layer in the upper atmosphere.

Key. Any two:

1. Absorbs UV light . 1 mark
2. Excess of UV light harmful/ causes skin cancer. 1 mark

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Q. State two harmful effects that NO_2 has on the environment.

Key. Any two:

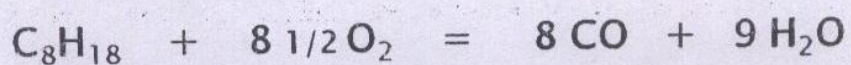
- i. Acid rain : affects carbonate rocks/ buildings and destroys aquatic life.
- ii. Smog : Asthma/ breathing difficulties.
- iii. Depletion of ozone layer.

Q. In a petrol engine, some of the octane reacts to form CO and water. Write its Chemical equation.

Key:

Correct reactants and products 1 mark

Balancing 1 mark



Q. Ethene reacts with hydrogen chloride to form the covalent compound chloroethane $\text{CH}_3\text{CH}_2\text{Cl}$. Suggest its two physical properties.

Key: Any two.

- › Does not conduct electricity / heat.
- › It is a gas / low m.p. / low b.p.
- › Insoluble in water / soluble in organic solvent.

Q. Alkenes are a homogeneous series of unsaturated hydrocarbons. Give the general formula of Alkenes. State two other characteristics of such series.

Key: Formula C_nH_{2n} and any two from:

- › Have same functional group.
- › Physical properties change gradually down the series.
- › Have similar chemical properties.
- › Chain increases by CH_2 for each successive member.

EXAMPLES FROM PHYSICS

State the difference between speed and velocity.

Any one of these:

Speed doesnot have direction and velocity does

or

$$\text{Speed} = \text{Distance/Time}$$

$$\text{Velocity} = \text{Displacement/Time}$$

or

Speed is a Scalar and

Velocity is a Vector.

On a see saw the girl of weight 550 N is 0.86 m from balance point and her brother of weight 430 N is 1.1 m away on the other side of balance point. The girl and her brother slide equal distance along the see saw away from each other. Describe what happens?

Any one of these:

1. Both moment increases
2. Girls moment increases more.
3. Anticlock wise moment greater.
4. See-saw tips down on girls side.

Suggest a material that is used to make a permanent magnet.

Anyone of Steel / Alnico / SnCo / NdFeB / Magnitite.

Describe any electrical method that is used to demagnetise a permanent magnet.

Place a magnet in a solenoid. AC supply to solenoid withdraws magnetism slowly or reduce current slowly.

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A one kW electric kettle is powered by 240V main supply. Calculate the electric current in the heating element.

Using $I = P/V$

$$= \frac{1000}{240} = 4.17 \text{ A}$$

Suggest an appropriate rating for the circuit breaker in its circuit.

Slightly more than the actual current required to compensate power fluctuations.

i.e. 5 A

Describe how the electron beam is produced in a CRO?

Filament Heated/ Thermionic emission, electrons attracted by anode or repelled by cathode.

Why the tube of the CRO must be evacuated?

To prevent collision with air molecules/to allow to reach the screen/to avoid deflection of electron beam.

State two safety precautions that must be taken when working with the radioactive sample?

Any two

1. **Minimize time of Exposure,**
2. **Lead Clothing/ Lead Gloves,**
3. **Forceps,**
4. **Tweezers,**
5. **Tongs,**
6. **Manipulator behind protective glass/shield, wear film badge**

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Marking Scheme English/Urdu

Q. Write an essay how you spent your last Sunday. (200 words)

15 Marks

Relevancy	Irrelevant	poor	moderate	good	Very good	Excellent
	No marking	1	3	6	8	10
	Irrelevant			relevant		
	No marking			Yes Marking		
Aspects	1-25 1	26-50 2	51-75 3	76-100 4	100-150 5	Greater than 150 6
No. of Words						
No. of sentences						
No. of key words						
	0-5 6	6-10 5	11-15 4	16-20 3	21-25 2	Greater than 25 1
No. of errors in spelling						
No. of errors in punctuation						
Grammar error						
Flow (morning to evening)	Poor 2		Moderate 4		Good 6	
Consistency (information among sentences)						
Marks					Marks obtained = A x marks of question	

Key words

Sunday, morning, breakfast, mother, father, sister, brother, friends, lunch, park, play, playground, evening, getup, etc

Total points of scheme = 60

Marks gain in Question =

$\frac{\text{Points gained}}{\text{Total points of scheme}}$

X Marks of question