



# Mahesh Sri Ramkrishna Ashram Vidyalaya (H.S.)

Govt. Aided Boys' School

(A unit of Mahesh Shri Ramakrishna Ashram)

40, RAMKRISHNA ROAD, P.O.: RISHRA, DIST.: HOOGHLY, PIN: 712248

Contact: 9123965561 | Website: www.msarka.org | Email: recruitment@msarka.org

Ref No. MSRKA/AT-25/05

Date :02.03.2025

## PROSPECTUS

**Mahesh Sri Ramkrishna Ashram Vidyalaya (H.S.)**, a recognized Government Aided Higher Secondary School, is going to conduct a Selection Test for appointment to the posts of Assistant Teacher against vacancies advertised herewith, in conformity with the autonomy regulations issued for Mahesh Shri Ramakrishna Ashram by the Government of West Bengal.

### The Selection Test is going to be held in terms of: -

1. The West Bengal School Service Commission (Amended) Act, 2012 as notified in the Kolkata Gazette dated 05.09.2012.
2. G.O. No – 1013/SE(Law) SL/5S -113/12(PT), Dt.: 19.08.2013
3. G.O. No – 611-SE(S)/10R-10/2013, Dt.: 07.07.2015
4. Memo No – 1261-SE(Law)/SL/5S-222/17, Dt.:09.11.2023
5. G.O. No – 1370-SE(Law), Dt.: 08.11.2011

### Eligibility & Essential Qualifications: -

#### **1. Eligibility:**

Any **Male/Female** citizen of **India** may apply for the posts advertised. No candidate can apply for more than one post of the same designation (i.e. Asst. Teachers).

#### **2. Essential Qualification Required:**

- a) Every candidate shall require to possess such relevant qualifications as mentioned in the West Bengal School Service Commission (selection of persons for Appointment to the Post of Asst. Teachers) Rules, 2007 and as subsequently amended.
- b) Moreover, B.Ed. or an equivalent degree in Teachers' Training is mandatory for the posts of Assistant Teacher.

#### **3. Age:**

Minimum 20 years as on 01.01.2025 (i.e., not born after 01.01.2005) & maximum 40 years as on 01.01.2025 (i.e., not born before 01.01.1985) for Gen category.

#### • **Relaxation:**

Upper Age limit is relaxable by 5 years for SC/ST, 3 years for OBC (both A & B category), 8 years for Physically Handicapped candidates having disability of 40% and above.

#### **4. Method of Recruitment:**

The Recruitment shall be made on the basis of selection through direct recruitment process.



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## 5. List of Vacancy:

SL.	Post	Vacancy Code	Subject	Section	Category	Academic Qualification	No. of Posts
1.	Assistant Teacher	BM/LS	Life Science	Normal, Secondary (IX-X)	Unreserved	Pass Graduate in Bio Science with B.Ed.*	1
2.	Assistant Teacher	BM/ECON	Economics	Higher Secondary	SC	Post Graduate in Economics with B.Ed.*	1

*\*Strictly in compliance with G.O. No. 1105-SE/S/IS-26/2010(Pt.-III) dated 20.09.2016 and 1106-SE/S/IS-26/2010(Pt.-III) dated 20.09.2016.*

## 6. Salary Structure:

Salary will be fixed as per the latest ROPA.

## 7. Medium of Instruction in the Institution applied for:

A candidate willing to be selected as an **Assistant Teacher** in Mahesh Sri Ramkrishna Ashram Vidyalaya (H.S.) (Bengali Medium), must have Bengali as first or second at any of the Secondary or Higher Secondary or at any subsequent higher level of education.

## 8. Question Paper:

There will be both objective and subjective questions. Questions will be set in Bengali and English. Answers are also to be written either in Bengali or in English. *There will be no negative marking.*

## 9. Syllabus:

Syllabus for the written examination will contain two parts:

### a) Part I:

Containing questions related to the subject for which the candidate has applied. For detailed syllabus, visit our website: <https://recruitment.msarka.org/>.

### b) Part II:

Containing questions related to test the candidate's aptitude in imparting value-based education and also on the ideals of Ramakrishna Ashram and Ramakrishna Math. The detailed syllabus is available at <https://recruitment.msarka.org/>.

## 10. Allotment of Marks:

a) The total marks allotted to the written examination shall be fifty-five (55) which will be divided into two parts as mentioned below:

- In Part I, marks will be 45.
- In Part II, marks will be 10.



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- b) The marks allotted to academic including professional qualifications will be 35.  
The Marks allotted shall be such as mentioned in *vide G.O. No. 1105-SE/S/IS-26/2010(Pt.-III) dated 20.09.2016* and *1106-SE/S/IS-26/2010(Pt.-III) dated 20.09.2016*
- c) The marks for the Personality Test shall be 10  
(*Viva-voce: 5 marks* and *Classroom Demonstration: 5 marks*)

## To Summarize:

Sl.	Exam Type/Item	Distribution of Marks
a. Written Examination:		
	Part I	45 Marks
	Part II	10 Marks
b. Academic including Professional qualifications		35 Marks
c. Personality Test:		
	Viva-voce	05 Marks
	Classroom Demonstration	05 Marks
Total :		100 Marks

## d) Question pattern for part- I and Part- II will be as follows:-

### (i) Part-I (45 Marks):

Division of Marks :  $1 \times 10(\text{MCQ}) + 1 \times 15(\text{SAQ}) + 2 \times 10(\text{Descriptive}) = 45$  (Marks)

### (ii) Part-II (10 Marks):

Division of Marks :  $1 \times 6 (\text{SAQ}) + 2 \times 2(\text{Descriptive}) = 10$  (Marks)

## 11. Application Procedure:

Application forms will be available only on our website <https://recruitment.msarka.org/> from **02/03/2025**. Candidates can download and print the Application Form and Acknowledgement Sheet on 75 GSM, A4 white paper (in separate pages) from the website. Duly filled in Application Form & Acknowledgement Sheet can be submitted **by hand only** (no other communication method will be entertained) from **04/03/2025** to **18/03/2025** (from 12:00 Noon to 4:00 p.m.), excluding Sundays and holidays at our **“MAHESH SHRI RAMAKRISHNA ASHRAM” MAIN OFFICE** at **“SWAMI SOMANANDA BHAWAN” Ground Floor**.

Use **BLACK BALL POINT PEN** only to fill in the application form. Before filling, please read this prospectus properly.

**Overwriting and use of white ink are strictly prohibited. Applicants shall not use typed/handwritten copy of the said form. Such forms may be rejected.**



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•The following documents (self-attested) are to be submitted along with the application form:

- Photo-copy of the Admit Card of Madhyamik Examination or equivalent standard.
- Photo-copies of all relevant mark sheets and certificates
- Photo copy of Voter Id Card and Aadhaar Card.
- Photo-copy of Caste certificate issued by the competent authority, if applicable
- Two recent passport size (3.5 CM X 4.5 CM) colour photographs. (*Black & White photographs strictly prohibited*)
- Letter of **NCTE recognition** of the B.Ed. course in the relevant academic sessions by the Head of such institution.
- Disability Certificate, if any, from competent authority.
- A self-addressed envelope (4" × 9").

**Note: Admission to the selection process is purely provisional subject to verification of the candidate's eligibility at various stages. Candidature of the applicant will be cancelled at any stage if any discrepancy or untrue statement is detected.**

## 12. Fees for Examination:

**Rs. 1000/- (Rs. One Thousand only) for *General candidates*, Rs. 900/- (Rs. Nine hundred only) for the *reserved category candidates* and Rs. 800/- (Rs. Eight hundred only) for the *Physically Handicapped candidates having disability of 40% and above candidates* (not refundable under any circumstances). Please Tender exact amount only. At the time of submission of the Form this amount is to be deposited by *cash or UPI*.**

## 13. Admit Card:

Admit Cards for written examination shall be issued by the Secretary, Mahesh Sri Ramkrishna Ashram Vidyalaya (H.S.), Rishra, Hooghly. Admit Cards will be sent by 'Speed Post'. Specific schedule for the issue of Admit Card will be intimated through our website at the time of publication of the list of eligible candidates for written examination.

## 14. The schedule of Written Examination:

**For the post of Asstt. Teacher duration of the written examination will be 90 minutes.** Duration, Date, time and venue for the written examination will be mentioned on the 'Admit Card'.

## 15. Method of selection:

- Step I :** After receiving the application forms, a list of eligible candidates along with the schedule for date, time and venue for the written examination will be published on our website and in school notice board.  
A Separate list of rejected applicants will also be published.



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- Step II :** A shortlist of the candidates (subject wise) will be prepared based on the marks secured in the written examination, plus the marks awarded against his academic and professional qualifications. These short listed candidates will be called for the Personality Test through a letter sent by 'Speed Post with AD' and 'E-mail'.
- Step III:** The Personality Test will be of 10 marks and includes test on ability of handling classroom situation and viva-voce. Appearance for the Personality Test is compulsory.
- Step IV:** A cumulative merit list based on marks obtained in the written examination, academic including professional qualification and the marks obtained in the Personality Test, post wise, will be published along with the marks and rankings on the website and School Notice Board.

## 16. No Objection Certificate:

The candidature of an in-service teacher or non-teaching staff of a school or any Govt. employee shall not be considered at the time of interview, if he fails to produce a No-Objection Certificate from the President/Secretary of the school or relevant competent authority.

## 17. Panel:

The final Panel shall be prepared on merit basis according to the total marks obtained by the candidates in the Written Test, Academic including Professional Qualifications and the marks obtained in the Personality Test, post-wise.

**Note:** In case, grand total marks obtained by two or more candidates becomes equal, the preference will be given to the candidate who scores more marks in written examination first, subsequently on academic qualifications further on the performance in the personality test, further on the higher age.

## 18. Appointment:

- The appointment process will be set as per the notification 175-SE/JS/13 dated 27.08.2013 clause 16.
- After receiving the approval of the final Panel from the School Managing Committee and the A.D.I. (SE), the school authority shall issue the appointment letter to the 1st rank holder in the Panel, post-wise.



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## **-: GENERAL INFORMATION:-**

### **A. Disqualification of the candidates:**

1. Disqualification norms will be followed as mentioned in the West Bengal School Service Commission (selections of persons for Appointment to the Post of Teachers) Rules, 2007 and as subsequently amended / supersession and as subsequently amended and the West Bengal School Service Commission (selection of persons for Appointment to the Post of Non-Teaching staff) Rules, 2009 and as subsequently amended.
2. If any omission or commitment of error or any mistake of any nature on the part of any applicant is detected at any stage of the entire selection process, his/her candidature is liable to be rejected.
3. If a candidate leaves the fields blank for any one or more among Name, Address, Subject, Category, Signature, Academic Details, Photograph will lead to his cancellation of his candidature.
4. Incomplete Form or Form completed with incorrect information will lead to the cancellation of the candidature.
5. **Admit Card shall not be issued for the following ineligibilities: -**
  - a) Signature of applicant in capital letters or signature of the applicant in the testimonials not tallying with the signature put in the application form.
  - b) Signature missing in any part of the application where it is required.
  - c) Under age or over age with respect to caste category.
  - d) Applied for Vacancy/Post not advertised.
  - e) Applicant not having proper educational qualification.
  - f) Date of birth missing or age proof certificate not submitted.
  - g) Candidate applied for more than one post of the same designation.
  - h) Caste certificate not from competent authority, in case of posts reserved for SC/ST/OBC.
  - i) Caste certificate not submitted, in case of posts reserved for SC/ST/OBC.
  - j) Combination subject less than 300 marks.
  - k) Degree not recognized or approved by the UGC.
  - l) Subject studied neither at the Graduation Level nor at the Post Graduation Level for the post of teachers advertised herewith.

### **B. Disqualification of In-Service Teachers in the same Category of Post:**

In service teachers, without completion of 02 (two) years of continuous approved service as on the last date of the submission of application form for Assistant Teacher, as



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teacher in the institution he has last joined, cannot apply for the post of Assistant Teacher in the same category/post, vide rule 18 as per the notification dated 21/12/2011 of School Education Department, Government of West Bengal.

## C. Other Information:

- a) Before submitting the Application Form, the candidate should satisfy himself that he fulfills all the eligibility criteria as laid down in the prospectus/advertisement to avoid rejection of the Application Form.
- b) No mark sheet shall be issued to the candidates.
- c) Application fees shall not be refunded under any circumstance.
- d) On receipt of the Admit Card, the candidate should check it very carefully and bring discrepancy /discrepancies, if any, to the notice of the school authorities. The candidate must bring the Admit Card to the Examination Hall to secure Admission for the written examination.
- e) If a candidate writes his name or put any special marks at any place in the Examination Booklet, which may disclose in any way the identity of the candidate, he shall render himself liable to be disqualified.
- f) Candidate must abide by the instructions as may be specified on the cover page of the Examination Booklet or any other instructions as may be printed in the Admit Card or may be given by the officer-in-charge of the center.
- g) No T.A./D.A. will be allowed to the candidate for appearing at the Examination Centre.
- h) Use of Calculator/Mobile Phone/Log Tables (other than any instruction provided in the Examination Booklet) is not permitted.
- i) A candidate found canvassing in any form and/or guilty of indiscipline in the Examination Hall or using unfair means of any nature or noting down the question, except on Answer Sheet shall be liable to be disqualified from this Examination and future Tests also.

Please visit our website (<https://recruitment.msarka.org>) regularly for further proceedings.



*Swami Shiveshananda*

**SECRETARY**

MAHESH SRI RAMKRISHNA ASHRAM VIDYALAYA (H.S.)

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DIST.: HOOGHLY, PIN: 712248, W.B.



# **SYLLABUS (Part - I)**

## **RECRUITMENT OF ASSISTANT TEACHERS - 2025**

**SECONDARY SECTION (Classes IX -X)**

**SUBJECT :**

**LIFE SCIENCE**





## ZOOLOGY

### **Invertebrates:**

1. Classification of major phyla upto subclasses with examples.
2. Structure and function of Flagella, Cilia, Para podia, Ctenidium, Book lung, Nephridia, Flame cells, Malpighian tubes, Green gland.

### **Chordates:**

1. Classification of Amphibians, reptilians and mammals upto order with examples.
2. Special features - Filter feeding in branchiostoma, Integumentary derivatives, Accessory respiratory organs, single and double circuit heart, aortic arches in vertebrates, origin and distribution of cranial nerves.

### **Cell Biology, Genetics & Molecular Biology:**

1. Ultra structure and function of Plasma membrane, Mitochondria, Lissome & Ribosome.
2. Chromosome structure.
3. Cell cycle
4. Properties of DNA and RNA, DNA as genetic material
5. Mechanism of Replication, Transcription & Translation.
6. Cell division: Mitosis & Meiosis
7. Mendelism & neo-Mendelism
8. Modes of inheritance of Autosomal and sex-linked genes in man: Thalassaemia and Hemophilia.
9. Mutation; Down syndrome & Kline felter syndrome
10. Linkage and recombination
11. Sex determination in Drosophila and Man
12. Oncogene & Cancer

### **Developmental Biology:**

1. Spermatogenesis & Oogenesis
2. Fertilization
3. Process of cleavage in frog and chick
4. Gastrulation in frog and chick
5. Placentation in mammals
6. Organizer concept.



## Evolution, Adaptation & Distribution:

1. Chemical basis of origin of life.
2. Darwinism and synthetic theory of evolution.
3. Hardy – Weinberg Equilibrium in relation to natural selection.
4. Adaptation: Aquatic, Volant & Desert.
5. Zoogeographical realms and their subdivisions with their characteristic fauna

## Ecology & Wildlife:

1. Energy flow through ecosystem
2. Population ecology : Properties and growth forms.
3. Community ecology; Niche concept, Resource partitioning and species diversity.
4. Biodiversity: As resource. Principles of conservation of Biodiversity (in situ & ex situ).
5. Conservation of wildlife: purpose & methods, concept of National Park. Sanctuary & Biosphere Reserve, Conservation of Tigers.

## Parasitology, Histology & Endocrinology:

1. Life History, pathogenecity and clinical features of *Entamoeba histolytica*, *Ascaris*, *Fasciola hepatica*, *Plasmodium vivax*.
2. Immune response T & B lymphocytes, Antibody production in parasitic infection.
3. Histology of Pituitary, Thyroid and endocrine Pancreas and their hormonal functions in mammals.

## Animal Physiology & Biochemistry:

1. Components of vertebrate blood, clotting & coagulation, ABO Blood group, Rh factor.
2. Physiology of nerve impulse & synaptic transmission.
3. Classification of Carbohydrates, Proteins and Lipids.
4. Enzymes: Classification, its properties and action
5. Vitamins - Chemical names, sources, deficiency, disorders for vitamins A, C and E

## Economy Zoology:

1. Aquaculture: Induced breeding & Composite fish culture.
2. Sericulture: Silk varieties in India, mulberry silkworm culture, diseases of silkworm and their control.



3. Pest: Biology & Control, of Paddy pest.
4. Animal husbandry: Common poultry breeds (Fowl), rearing methods, diseases & control.

## BOTANY

### A. GENERAL BOTANY

#### **Introduction:**

Concept of living object; Definition, basic structural organization of plant.

**Cell:** (a) Minimum requirements of a "Cell to be cell"

(b) Prokaryotes and eukaryotes; Characteristics and differences with reference to the plant cell wall composition.

(c) Structure and functions of cellular organelles.

(d) Chromosome: Ultra-structures and chemical compositions.

(e) Cell division: Mitosis, Meiosis, their significance.

### B. PLANT ANATOMY

Plant Tissue – Definition, Classification, Distribution and Functions; Occurrence and Classification of Meristematic and Permanent tissues; Simple and Complex tissues. Primary structures of root, stem and leaf in angiospermic plants.

### C. ECOLOGY AND ENVIRONMENT

Divisions of ecology, ecological factors, plant succession, Adaptation of Hydrophytes, Xerophytes, Halophytes, General ideas about global warming and air pollution - a brief knowledge.

### D. PLANT GROUPS

1. Salient features of Algae, Fungi, Bryophytes, Pteridophytes, Gymnosperms and Angiosperms.
2. ALGAE: Life cycle patterns with one example in each pattern. Economic importance (as food, fodder, agar, algin)
3. FUNGI: Structure of mycelium; nutrition; Asexual Spore forms; Economics importance (alcohol, Penicillin and edible mushroom)
4. BRYOPHYTES & PTERIDOPHYTES: Structural organization and function of archegonia and antheridia



5. GYMNASPERMS & ANGIOSPERMS: Structural organization of male and female gametophytes.

**E. PLANT PATHOLOGY:**

Necrosis, hypoplastic and hyperplastic symptoms of plant diseases. Disease control - a brief knowledge.

**F. MORPHOLOGY:**

Inflorescence; pollination - types and contrivances: Placentation - types and example; Development of embryo-sac; Fertilization and post-fertilization changes.

**G. TAXONOMY:**

Principles of artificial, natural and phylogenetic systems of classifications, Binomial nomenclature. Functions of Botanical Garden; Importance of Herbaria in Botanical Studies. Diagnostic characters and economic importance of the following families: Leguminosae (Fabaceae), Solanaceae, Rubiaceae and Gramineae (Poaceae).

**H. PALEOBOTANY:**

Fossils – Types with examples; Applications of Paleobotany.

**I. PLANT PHYSIOLOGY:**

(a) Absorption: Water & Salt uptake by living cell

(b) Transpiration: Its role in ascent of sap

(c) Nutrition: Role of mineral elements in plants.

(d) Photosynthesis: Photosynthetic pigments, Hill reaction, Photophosphorylation, Calvin cycle.

(e) Respiration: Glycolysis, Krebs' cycle and ATP synthesis.

(f) Hormones: Definition, site of synthesis and role of auxin & ethylene. Role of synthetic hormones in agriculture

**J. CYTOGENETICS & HEREDITY:**

Nature of gene; Linkage and Crossing-over; Mendelian Principles, Darwinism & Neo-Darwinism.



## K. MICROBIOLOGY:

Virus - general properties, structure of Bacteriophage and TMV; Electron microscopic structure of a bacterial cell. Role of bacteria in nitrogen cycle and maintenance of soil fertility. (N<sub>2</sub> - fixation, nitrification, denitrification and ammonification).

## PHYSIOLOGY

### 1. Units of Human Systems:

Structure function relationship of cell and its organelles and different tissues.

### 2. Biochemical and Biophysical Principles involved in Human systems:

Definition and physiological significance of diffusion, osmosis, dialysis, ultra filtration, adsorption and absorption. Definition, classification and physiological importance of colloids. Definition of enzymes, co-enzymes and isozymes with examples. Factors influencing enzyme action.

### 3. (a) Conservation of matter and energy in human systems: Structures in relation to functions of alimentary tract. Composition, functions and regulations of secretion of digestive juices including bile. Digestion and absorption of dietary carbohydrates, proteins and fats.

(b) **Nutrition:** Definition of balanced diet. ACU. Marasmus, Kwashiorkor, PCM, Dietary fibers, Vitamins: definition, classification, functions and symptoms and daily requirements, Hypervitaminosis.

**Minerals** - Dietary sources and nutritional importance.

**BMR** : Definition and factors affecting. **R. Q.:** Definition, factors affecting and significance, Biological value of protein.

**SDA** : Definition and importance.

### 4. Blood :

Composition and functions. Origin and functions of plasma proteins. Plasmapheresis. Bone marrow. Formed elements of blood --- their formation and functions. Haemoglobin: Different types of compounds and derivatives. Blood volume and its regulation.



Coagulation of Blood: Mechanism and factors influencing, anticoagulants, and disorders of coagulation. Blood groups – ABO and Rh, Thalassemia. TC, DC, Haemoglobin estimation, Bleeding and clotting time. Anaemia - definition and types, Leukocytosis, Leukopenia, leukemia, purpura - definitions.

## 5. **Cardiovascular System:**

(a) Heart – Properties of cardiac muscle, Origin and propagation of cardiac impulse, various events (atrial and ventricular) of cardiac cycle, heart sounds, heart rate, cardiac output and factors affecting its regulation.

## 6. **Respiratory System:**

Anatomy and histology of respiratory passage and organs. Role of respiratory muscles in respiration. Artificial respiration. Significance of anatomical and physiological dead space. Lung volumes and capacity. Exchange of respiratory gases between (i) lung and blood, and (ii) blood and tissues. Transport of O<sub>2</sub> and CO<sub>2</sub> in blood. Neural and chemical regulation of respiration. Hypoxia.

## 7. **Renal Physiology:**

Structure – function relationship of kidney. Mechanism of formation of urine and physiology of micturition. Acid-base regulation by the kidney. Non-excretory functions of kidney.

## 8. **Nerve-Muscle Physiology:**

Structures of different types of muscles. Muscular contraction and relaxation, Isotonic and isometric contractions. Properties of muscles. Structure and classification of nerves. Origin and propagation of nerve impulse. Velocity of impulse in different types of nerve fibres. Properties of nerve fibre. Synapses: Structures, different types and mechanism of synaptic transmission. Myoneural junction: Structure and mechanism of impulse transmission. Degeneration and regeneration of nerve fibre.

## 9. **Nervous System and Sensory Physiology:**

Reflex action --- Definition, reflex arc, classification, properties. Functions of spinal cord. Outline of functions of brain stem. A brief idea of structure, connections and functions of cerebellum. Functions of thalamus and hypothalamus. Cerebral cortex –



Histological structures and localization of functions. Cerebrospinal fluid (CSF) - Composition, formation, circulation and functions. Functions of sympathetic and parasympathetic nervous system. Classification of general and special senses and their receptors.

Weber-Fechner law. Basic concept of receptor adaptation. Olfaction and gustation - Structure of sensory organ, neural pathway of smell and taste sensation, mechanism of taste sensation, after taste. Olfactory adaptation. Audition - Structure of ear, auditory pathway, mechanism of hearing, pitch perception and perception of loudness. Vision - Structure of the eyes, histology of retina, visual pathway, chemical changes of retina on exposure to light; mechanism and pathway of accommodation, error refraction, after image, light and dark adaptation elementary idea of colour vision and colour blindness.

#### 10. **Skin and Regulation of Body Temperature:**

Structure and functions of skin. Insensible and sensible perspiration. Physiology of sweat secretion and its regulation. Regulation of body temperature.

#### 11. **Endocrine system:**

Anatomy of endocrine system. Classification of Hormones. Basic concept of regulation of hormone actions. Elementary idea of hormone action. Histological structure, hormones and functions pituitary, thyroid, parathyroid, adrenal and pancreas. Hypothalamic control of anterior and posterior pituitary. Hypo and hyperactive states of pituitary gland, thyroid and adrenal cortex.

Brief idea of the origin and functions of rennin-angiogenesis, prostaglandins, erythropoietin and melatonin. Elementary idea of gastrointestinal hormones

#### 12. **Reproductive Physiology:**

Primary and accessory sex organs and secondary sex characters.

Testis - Histology, spermatogenesis, testicular hormones and their functions. Ovary - Histology, Oogenesis, ovarian hormones and their functions. Oestrus and menstrual cycles and their hormonal control. Development of mammary gland and lactation.



# **SYLLABUS (Part - I)**

## **RECRUITMENT OF ASSISTANT TEACHERS – 2025**

**HIGHER SECONDARY SECTION**

**SUBJECT :**

**ECONOMICS**





## Group –A

### **1. DEFINITION AND SCOPE OF ECONOMICS :**

Basic problems in every economic society and their solution in different economic systems. A general view of the price system. The elementary theory of demand, supply and market price. The elasticities of demand and supply, Applications of the demand-supply apparatus in price control and rationing, taxation and in the determination of the prices of agricultural and manufactured goods.

### **2. THEORY OF CONSUMER BEHAVIOUR :**

Concepts of cardinal and ordinal utility – the limitation of cardinal utility analysis. The Indifference Curve approach. Consumer's equilibrium. Income effect, substitution effect and price effect. The Revealed Preference approach.

### **3. THE THEORY OF PRODUCTION :**

The concept of production function. Production with a single variable input. Production with two variable inputs. Optimal input combination. Cobb-Douglas production function.

### **4. THE THEORY OF COST :**

Different concepts of cost. Short-run and long-run cost analysis.

### **5. THE THEORY OF THE FIRM AND MARKET ORGANISATION :**

**A.** Characteristics of perfect competition. Short-run and long-run equilibrium of the firm and the industry. Short run and long-run supply curve of the firm and the industry.

**B.** Monopoly. Bases of Monopoly. Equilibrium under monopoly. Discriminating monopoly.

**C.** Characteristics of Monopolistic Competition and Oligopoly.



## 6. THE MARGINAL PRODUCTIVITY THEORY OF DISTRIBUTION :

Rent and its determination. Supply of labour, determination of wages and the role of trade unions. Elements of profits. Concept of interest – gross and net interest, real and money interest.

## 7. CONCEPT OF NATIONAL INCOME :

Different methods of measuring national income. Difficulties in measurement. National Income Determination. Consumption Function and Multiplier. Investment and Saving. Government and the circular flow of income. Fiscal Policy.

## 8. THE QUANTITY THEORY OF MONEY :

Fisher's version and Cambridge version. Keynesian Liquidity Preference.

## 9. BANKING:

Functions of Central Banks and Commercial Banks; Credit Creation; Credit Control methods.

## 10. CONCEPTS OF INFLATION, DEFLATION & STAGFLATION :

Demand-pull and cost-push inflation. Anti-inflationary monetary and fiscal policies.

## 11. PUBLIC FINANCE :

Principles of taxation. Incidence of taxes, Effects of taxation. Public Debt and its effects.

## 12. INTERNATIONAL TRADE :

Basis of trade, Gains from trade. Arguments for free trade and protection. Balance of Trade and balance of payments. Measures for correction of disequilibrium in balance of payments. The theory of exchange rates.



## Group – B

### **13. GROWTH AND DEVELOPMENT:**

Features of Less Developed Countries.

### **14. GENERAL FACTORS IN ECONOMIC DEVELOPMENT :**

Role of capital formation and the use of capital-output ratio in development planning. Population Growth and Economic Development.

### **15. APPROCHES TO THE THEORY OF DEVELOPMENT :**

The Classical theory. The stages of economic growth – Marx and Rostow. Lewis model of development with unlimited labour supply.

### **16. STRATEGY OF DEVELOPMENT :**

Choice of technique; Balanced vs. Unbalanced growth.

### **17. INTERNATIONAL TRADE AND ECONOMIC DEVELOPMENT :**

Foreign Aid; Role of Multinational in developing countries. The I.M.F. and the World Bank.

### **18. ENVIRONMENT AND ECONOMIC DEVELOPMENT :**

The problems of sustainable development.

### **19. AGRICULTURE IN THE INDIAN ECONOMY :**

Land reforms; Agricultural labour, Agricultural finance, Technological changes – Their impact on the economy. Agricultural marketing. Public Distribution system

### **20. INDUSTRIAL PROBLEMS IN INDIA :**

Industrial Policy. Traditional and small scale industries. Some large scale industries—iron and steel, jute and cotton. Industrial Finance. Role and performance of the public sector. Industrial labour and industrial relations. Social Security for industrial workers.



## **21. INDIAN BANKING SYSTEM AND MONETARY POLICIES :**

Reserve Bank of India –functions, methods of note issue and credit control instruments. Performance of the nationalized commercial banks in recent years. Inflation during the plan period.

## **22. FISCAL POLICY IN INDIA:**

Revenue and expenditure of the Central Government. Revenue and expenditure of the West Bengal Government. Centre-State Financial relations.

## **23. INDIAN FOREIGN TRADE AND BALANCE OF PAYMENTS :**

Changes in the pattern and direction of India's exports and imports. India's balance of payments. Government policies.

## **24. INDIAN PLANNING:**

Overall objectives of the Five Year Plans. Achievements and failures. Economic Reforms since 1991.



# **SYLLABUS (Part - II)**

## **RECRUITMENT OF ASSISTANT TEACHERS – 2025**

**SECONDARY SECTION (Classes IX -X)  
&  
HIGHER SECONDARY SECTION**

**SUBJECT :**

**Value Based  
Education.**



## Syllabus for Part – II of Written Examination

1. Life and Teachings of Sri Ramakrishna, Sri Sarada Devi and Swami Vivekananda, in brief.
2. Ideals and activities of the Ramakrishna Math and Ramakrishna Mission & Ramakrishna Ashram.
3. Swami Vivekananda's ideas on Education.
4. Questions to test the candidate's aptitude to impart value based education.

### • সহায়ক গ্রন্থাবলী

১. শ্রীরামকৃষ্ণ জীবনী - স্বামী তেজসানন্দ
২. শ্রীশ্রীমা সারদা - স্বামী নিরাময়ানন্দ
৩. স্বামী বিবেকানন্দ - স্বামী বিশ্বাশ্রয়ানন্দ
৪. নতুন ভারত গঠনে শিক্ষকদের ভূমিকা ও দায়িত্ব - স্বামী রঙ্গনাথানন্দ
৫. রামকৃষ্ণ মিশন অতীত, বর্তমান ও ভবিষ্যৎ - উদ্বোধন কার্যালয়
৬. মনের ব্যায়াম - স্বামী প্রেমঘনানন্দ
৭. আচরণের উপাসনা ও জপ ধ্যানের সাধনা - স্বামী সোমানন্দ

[ NB: All books are available for purchase form Ashram Sales counter till stock lasts.]

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# Mahesh Sri Ramkrishna Ashram Vidyalyaya (H.S.)

Govt. Aided Boys' School

(A unit of Mahesh Shri Ramakrishna Ashram)

40, RAMKRISHNA ROAD, P.O.: RISHRA, DIST.: HOOGHLY, PIN: 712248

Contact: 9123965561 | Website: www.msarka.org | Email: recruitment@msarka.org

**Note : Use Black Ball Point Pen Only.** Before filling, please read the prospectus for proper post /vacancy codes. Over-writing and use of white ink are strictly prohibited.

**Application Form** for the Selection Test for the post of **Asstt. Teacher (Both Male & Female).**

Post applied for : Asstt. Teacher

Subject : Life Science

Vacancy Code : BM/LS

*For Office Use Only*

FORM NO. : BM-LS-

ROLL NO. : \_\_\_\_\_

PASTE  
SELF ATTESTED  
PASSPORT SIZE  
(3.5 CM X 4.5 CM)  
COLOUR  
PHOTOGRAPH

The Secretary,  
Mahesh Sri Ramkrishna Ashram Vidyalyaya (H.S.)  
40, Ramkrishna Road, P.O.: Rishra,  
Dist.: Hooghly, Pin: 712248

*Full Signature of Applicant*

1) **Name in full:** [In Block Letters as per Madhyamik or equivalent standard Admit Card]

2) **Gender :** Male / Female

3) **Father's Name:** [In Block Letters as per Madhyamik or equivalent standard Admit Card]

4) (a) **Date of Birth** (as per Madhyamik or equivalent standard Admit Card):

\_\_\_\_\_|\_\_\_\_\_|\_\_\_\_\_ 

DD	MM	YYYY
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(b) **Age as on 01.01.2025 :** \_\_\_\_\_ years \_\_\_\_\_ months \_\_\_\_\_ days.

5) (a) **Nationality:** \_\_\_\_\_ (b) **Religion :** \_\_\_\_\_

(c) **Caste :** \_\_\_\_\_ (d) **Sub-Caste [if any]:** \_\_\_\_\_

(e) **PH :** YES/ NO

(e.1) **If 'YES' % of disability:** \_\_\_\_\_.

**6) Address for Communication :**

(a) House No. \_\_\_\_\_ (b) Street Name : \_\_\_\_\_

\_\_\_\_\_ (c) Vill/Town : \_\_\_\_\_

(d) Post office : \_\_\_\_\_ (e) Police Station: \_\_\_\_\_

(f) District : \_\_\_\_\_ (g) State : \_\_\_\_\_

(h) Pin : \_\_\_\_\_ (i) Mobile Ph. No. : \_\_\_\_\_

(j) Email \_\_\_\_\_

**7) a) Particulars of School Education :-**

Exam Name	Year of Passing	Board/ Council	Subject(s) with marks obtained.	Grand Total	Total Marks Obtd.	% of Marks	Academic Score (Office Use Only)
Madhyamik/ Equivalent							

Exam Name	Year of Passing	Board/ Council	Subject(s) with marks obtained.	Grand Total	Total Marks Obtd.	% of Marks	Academic Score (Office Use Only)
Higher Secondary/ Equivalent							

**b) Particulars of Higher Studies (Hons/Pass) :-**

Name of the Courses	Year of Passing	Examining University	Subject(s) with marks obtained.	Grand Total	Total Marks Obtd.	% of Marks	Academic Score (Office Use Only)
Hons							
Hons + Pass or, Only Pass							



**c) Particulars of Higher Studies (Post Graduate) :-**

Name of the Examination/ PG Degree in concerned subject	Year of Passing	Examining University	Subject(s) with marks obtained.	Grand Total	Total Marks Obtd.	% of Marks	Academic Score (Office Use Only)

**d) Particulars of B.Ed. /B.T. / PGBT :-**

Name of the Examination	Academic Session	Name of Institution	Examining University	Grand Total	Total Marks Obtd.	% of Marks	Academic Score (Office Use Only)
B.Ed./ B.P. Ed/ B.T./PGBT/ Equivalent							

**8) If in service, please mention the service information :-**

a) Name of the Post : \_\_\_\_\_

b) Name of the institution : \_\_\_\_\_

c) Date of first joining to the approved post : \_\_\_\_\_ | \_\_\_\_\_ | \_\_\_\_\_ 

DD	MM	YYYY
----	----	------

d) Exact length of continuous approved service experience as on 01.01.2025:  
 \_\_\_\_\_ Years \_\_\_\_\_ Months \_\_\_\_\_ Days.

**9) Additional information of the applicant (if YES, please attach separate sheets): -**

<b>i)</b>	Has the applicant, at any point while in service, been dismissed from service? If so, full particulars thereof, including the charges leveled against the applicant and full name and address of the school.	YES/NO
<b>ii)</b>	Has the applicant at any point of time been detained in Police Custody on any charge/ charges? If so, the name of the Police Station and District where such Police Station is located	YES/NO
<b>iii)</b>	Is any criminal case pending against the applicant in any Court of Law? If so, the name of the Police Station which initiated the criminal case, the District where such Police Station is located, the Case No. and the name of the Court concerned where such criminal case is pending.	YES/NO
<b>iv)</b>	Has the applicant at any point of time been convicted in any criminal case? If so, full particulars thereof, including the name of the Police Station which initiated the criminal case, the District where such Police Station is located, the case no. and the name of the Court concerned which convicted the applicant and the nature of the punishment given by the Court to the applicant.	YES/NO

**10) Declaration: -**

- a) I do hereby declare that I have not applied for more than one post of the same designation under this Selection Test of the *Mahesh Sri Ramkrishna Ashram Vidyalaya (H.S.), 40 Ramakrishna Road, Rishra, Hooghly-712248.*
- b) I have carefully gone through the content of the Prospectus and I do hereby declare that I will abide by the norms/ instructions/ schedules laid down in the prospectus.
- c) I do hereby declare that all the statements made in this application and all of the self-attested documents submitted herewith are true and correct. In the event any of the information being found to be false or incorrect or any ineligibility being detected before or after the selection/recommendation is made, my candidature/ selection is liable to be cancelled and any recommendation made in my favor is liable to be revoked/rescinded and/or cancelled and appropriate legal action be initiated against me by the authority for making such selection/recommendation.

Place : \_\_\_\_\_

Date : \_\_\_\_\_

\_\_\_\_\_  
*Full Signature of Applicant*



# Mahesh Sri Ramkrishna Ashram Vidyalaya (H.S.)

**Acknowledgement Copy**

**Part-A (Office Copy)**

Post applied for : Asstt. Teacher

Subject : Life Science

Vacancy Code : BM/LS

**\*\* Relevant Details are to be filled in by the candidate.**

A) Received an application form (without verification of the Form and enclosed documents)

From Sri/Smt/Miss \_\_\_\_\_

S/O,D/O Sri \_\_\_\_\_

B) Received Rs. \_\_\_\_\_ (Rs. \_\_\_\_\_) only as examination charges by CASH/UPI.

FORM NO.: BM-LS- \_\_\_\_\_ *[For Office Use Only]*

Date: \_\_\_\_\_

Full Signature of Applicant

Receiver's Signature with office seal

Page 5 of 5



# Mahesh Sri Ramkrishna Ashram Vidyalaya (H.S.)

Govt. Aided Boys' School

(A unit of Mahesh Shri Ramakrishna Ashram)

40, RAMKRISHNA ROAD, P.O.: RISHRA, DIST.: HOOGHLY, PIN: 712248

Contact: 9123965561 | Website: [www.msarka.org](http://www.msarka.org) | Email: [recruitment@msarka.org](mailto:recruitment@msarka.org)



**Acknowledgement Copy**

**Part-B (Applicant's Copy)**

Post applied for : Asstt. Teacher

Subject : Life Science

Vacancy Code : BM/LS

**\*\* Relevant Details are to be filled in by the candidate.**

A) Received an application form (without verification of the Form and enclosed documents)

From Sri/Smt/Miss \_\_\_\_\_

S/O,D/O Sri \_\_\_\_\_

applied for the post of Assistant Teacher (Bengali Medium).

B) Received Rs. \_\_\_\_\_ (Rs. \_\_\_\_\_) only as examination charges by CASH/UPI.

FORM NO. : BM-LS- \_\_\_\_\_ *[For Office Use Only]*

Date: \_\_\_\_\_

Full Signature of Applicant

Receiver's Signature with office seal