



Annexure-‘C’

Office of the Chief Executive Officer
Shri Mata Vaishno Devi Shrine Board, Katra

Syllabus for the posts of Jr. Sanitation Supervisor

In deference to the Advertisement Notification No. 04/2022 dated 19.04.2022, the syllabus for Written Test (Objective Type) for the post of Jr. Sanitation Supervisor is as under:

S. No	Subjects	Marks assigned
1	Topics Related to Health & Sanitation	25
2	General English	15
3	General Awareness	10
4	General Science	05
5	Numerical and Mental Ability Test	15
6	Computer Applications	10
Total		80
Interview		20
G/Total		100

TOPICS RELATED TO HEALTH & SANITATION

25 Marks

- (i) Basic concepts
 - a) Concept of health
 - b) Concept of disease
 - c) Concept of prevention
- (ii) Epidemiology-Basic concepts
- (iii) Infectious Disease
 - a) Dynamics of transmission
 - b) Concept of control
 - c) Immunity and Immunization
 - d) Disinfection
- (iv) Environmental Health
 - a) Basic Concept
 - b) Water – Physical, Chemical and Biological standards for potable water sources and nature of pollution of water, hazards of water pollution, purification of water on large and small scale, sanitary well and tube well, water supply and storage system at community and household level.
 - c) Air-Sources of air pollution, estimation of level of pollutants, green house effect, thermal comfort, radiation.
 - d) Noise pollution
 - e) Housing-standards for healthy housing

- f) **Solid Waste management** – classification of solid waste, harmful effect of solid waste system of collection and disposal of solid waste.
- g) **Liquid waste management** – classification , quality of different type of waste, hazards, sanitary sewerage system.
- h) **Night Soil Disposal** – Hazards of insanitary disposal, types of latrines in use, Borehole, Dug well, RCA and Septic tank latrines, sanitation of trenching ground.
- (v) Disaster Management – Basics
- (vi) Bio Medical Waste Management – Basics
- (vii) Environmental Laws in India
- (viii) Sanitation and Hygiene
 - a) Sanitation of Public places and Hospitals
 - b) Eating Establishments

GENERAL ENGLISH

15 Marks

- (i) Tenses
- (ii) Comprehension
- (iii) Editing / Proof Reading.
- (iv) Rearranging of jumbled sentences
- (v) Narration
- (vi) Modals
- (vii) Articles
- (viii) Paragraph writing with blanks to be filled in with the following
 - i. Phrases
 - ii. Pronouns
 - iii. Homonyms/Homophones etc.
- (ix) Clauses
- (x) Punctuation
- (xi) Synonyms and antonyms
- (xii) Idioms and phrases.
- (xiii) Uses of Prepositions
- (xiv) Active & Passive Voice
- (xv) Error Spotting
- (xvi) Sentence Correction
- (xvii) Spelling Correction

GENERAL AWARENESS

10 Marks

- (i) Indian History with special reference to Freedom struggle
- (ii) Indian Constitution- Basic features- Preamble, Fundamental Rights, Fundamental Duties, Directive Principles of State Policy
- (iii) First in world (Adventure, Sports, Discoveries)
- (iv) First in India (Adventure, Sports, Discoveries)
- (v) Popular Personalities (Politics, Scientific discoveries, Geographical, Sports, History)

- (vi) The Newspaper world – (Current Dailies & Weeklies of India)
- (vii) Languages & Culture
- (viii) Science & Technology
- (ix) International Organisations- UNO, WHO, WTO, IMF, UNESCO, UNCTAD etc.
- (x) Important Regional Organizations and Blocs- BRICS, OPEC, ASEAN, SAARC, BIMSTEC, G-20, G-7 etc.
- (xi) Sustainable Development Goals
- (xii) Communicable Diseases- cure and prevention
- (xiii) NCDC- COVID-19 - SOPs, Advisories, Guidelines etc
- (xiv) World famous Awards
- (xv) The world of Sports
- (xvi) Agriculture in economic development; Industrialization and economic development.
- (xvii) Foreign Trade & Balance of payments
- (xviii) New economic reforms
- (xix) Inflation, Monetary Policy, Fiscal Policy, Capital Markets, Role of RBI, Taxation in India- Direct & Indirect Tax - CBDT, GST etc.
- (xx) India's Atomic Research Programme,
- (xxi) Thermal / Nuclear/ Hydro Power Plants in India.
- (xxii) Current Events of National and International importance
- (xxiii) Political & Physical divisions of India
- (xxiv) Indian Culture, Heritage and Freedom Struggle/Movement.
- (xxv) Demography- Census, its feature and functions.
- (xxvi) Important Rivers & Lakes in India.
- (xxvii) Weather, Climate, Crops, Means of Transport of India.
- (xxviii) J&K UT
 - a) Popular names of personalities and their achievements/ Contribution.
 - b) Weather, Climate, Crops, Means of Transport.
 - c) J&K History, Economy and Culture
 - d) Flora and Fauna of J&K
 - e) Rivers and Lakes.
 - f) Important Tourist Destinations.
 - g) J&K Panchayati Raj Act, 1989 (as amended upto December, 2020), 73rd & 74th Constitutional amendments.
 - h) J&K Reorganisation Act, 2019
 - i) Shri Mata Vaishno Devi Shrine Board related information.

GENERAL SCIENCE**05 Marks**

- (i) Various sources of energy; conventional sources of energy; improvement in technology for using conventional source of energy (Biomass and wind energy)
- (ii) Non-conventional sources of energy (Solar energy, Tidal energy).
- (iii) Mechanics, Rest, motion, Velocity, acceleration, Newton Laws of motion,
- (iv) Voltage, Current, Resistance, Power, D.C Batteries
- (v) Waves, light as a wave, Sound waves, Transverse and longitudinal waves.
- (vi) Structure of Atom
- (vii) Solids, Liquids and Gases (Basics)
- (viii) Life processes: Nutrition and its types, Respiration, Transportation of water, food and minerals in plants.
- (ix) Vitamins- Diseases related to vitamin deficiency.
- (x) Environmental pollution.
- (xi) Ecosystem – Its components, Food chains and Food webs.
- (xii) Ozone layer, its depletion, Green House Effect.
- (xiii) Importance of water in life

NUMERICAL AND MENTAL ABILITY TEST**15 Marks****Basic Arithmetic:**

- (i) Number System
- (ii) Square Roots
- (iii) Basic algebra
- (iv) Percentage
- (v) Average
- (vi) Profit & Loss
- (vii) Discount
- (viii) Time & Distance
- (ix) Ratio & Proportion
- (x) Time & Work
- (xi) Simple & Compound Interest

Mental Ability:

- (i) Number series.
- (ii) Letter series.
- (iii) Coding decoding.
- (iv) Direction sense.
- (v) Blood relations.
- (vi) Mathematical reasoning.
- (vii) Speed, Distance and Time.
- (viii) Statements and conclusions.
- (ix) Logical Reasoning.
- (x) Mental Reasoning.

COMPUTER APPLICATIONS

10 Marks

- (i) Fundamentals of computer sciences
- (ii) Hardware & Software
- (iii) Input & output devices
- (iv) Operating system
- (v) M.S Word, M.S Excel, M.S Access, M.S Powerpoint
Presentation & PDF
- (vi) E-mail & Internet
- (vii) Concept of Computer Virus & Latest Anti Virus
- (viii) Role of Information Technology in Governance