# PROSPECTUS CUM APPLICATION FORM FOR SELECTION TEST IN JAWAHAR NAVODAYA VIDYALAYAS FOR ADMISSION IN CLASS IX DURING 2016-17 AGAINST VACANT SEATS



## नवोदय विद्यालय समिति

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#### **NAVODAYA VIDYALAYA SAMITI**

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Dept. of School Education & Literacy, Govt. of India
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## PROSPECTUS CUM APPLICATION FORM FOR SELECTION TEST IN JAWAHAR NAVODAYA VIDYALAYAS

#### FOR ADMISSION IN IX CLASS DURING 2016-17 AGAINST VACANT SEATS

#### 1.0 Introduction

In accordance with the National Policy of Education (1986), Government of India started Jawahar Navodaya Vidyalayas (JNVs) all over the country except Tamil Nadu. These are co-educational, residential schools, fully financed by Government of India and run by an autonomous organization, Navodaya Vidyalaya Samiti, under the Ministry of Human Resource Development. Though admission to these Vidyalayas is at Class VI level, in order to optimally utilize infrastructure facilities available, vacant seats at Class IX level are filled through an All India level Selection Test. While education in the schools is free including boarding, lodging, uniforms and textbooks, a nominal fee of Rs.200/- per month will have to be collected from the children from Class IX to XII. However, children belonging to SC/ST, Girls and from the families whose income is below poverty line are exempted from payment of fees.

#### 2.0 Objectives of the Scheme

- 2.1 To provide good quality modern education including a strong component of culture, inculcation of values, awareness of the environment, adventure activities and physical education to the talented children from rural areas without regard to their family's socio-economic condition.
- 2.2 To ensure that students attain a reasonable level of competency in three languages as envisaged in Three Language Formula; and
- 2.3 To serve in each district as focal point for improvement of quality of school education in general through sharing of experiences and facilities.
- 2.4 To promote national integration through migration of students from Hindi to non-Hindi speaking State and vice-versa.

#### 3.0 STATE-WISE DISTRIBUTION OF JAWAHAR NAVODAYA VIDYALAYAS

As per the provisions of the Scheme, one Jawahar Navodaya Vidyalaya is to be set up in each district. At present, there are <u>591</u> functional Jawahar Navodaya Vidyalayas spread over 28 States and 07 UTs.

#### 4.0 ADMISSION TO IX CLASS AGAINST VACANT SEATS

In order to optimally utilize the infrastructure and facilities available in these Vidyalayas, it has been decided by the Samiti to fill the vacant seats in Class IX through an All India level Selection Test.

## 5.0 HOW TO APPLY FOR JAWAHAR NAVODAYA VIDYALAYA SELECTION TEST FOR ADMISSION IN IX CLASS

Vidyalaya wise vacant seats in Class IX will be notified in the website of JNVs & Regional Offices concerned. Application for admission to Class IX can be made in the prescribed application proforma, attached to this Prospectus, obtainable free of charge from the Principal of Jawahar Navodaya Vidyalaya of the concerned district. Format of Application Form can also be downloaded from the Navodaya Vidyalaya Samiti website, *www.nvshq.org/nvsrochd.gov.in* 

#### 6.0 HOW TO SUBMIT THE APPLICATION FORM

Application Form duly completed in all respect must reach the Office of the Principal, Jawahar Navodaya Vidyalaya of the concerned district on or before **Monday the 29th February 2016** Duly filled in application forms must be sent through registered post A/D. If the candidate prefers to submit Application Form in person, he/she is advised to get the acknowledgement from the office of the Principal of Jawahar Navodaya Vidyalaya.

#### 7.0 ISSUE OF ADMIT CARD

Admit Card for appearing at the Selection Test will be issued to the candidates by **Monday 11th April 2016.** If the candidate does not get the Admit Card latest by **Monday, the 18th April 2016,** he/she must contact the office of the Principal of Jawahar Navodaya Vidyalaya for obtaining the same.

#### 8.0 VENUE & DATE OF THE SELECTION TEST

Selection Test for admission to Class IX will be conducted on **Sunday, the 24th April, 2016** in Jawahar Navodaya Vidyalaya of concerned district.

#### 9.0 RESULT OF SELECTION TEST

Result of the Selection Test will be notified in the Vidyalaya Notice Board as well as published in the website of JNVs concerned. Selected candidates will also be intimated by post.

#### 10.0 ELIGIBILITY

- 1. Only those candidates who have studied/ is studying in Class VIII during the Academic Session <u>2015-16</u> in one of the Govt./Govt. recognized schools of the district where the Jawahar Navodaya Vidyalaya is functioning and where admission is sought.
- Candidate appearing for the selection test must pass Class VIII in the academic session <u>2015-16</u> from a Govt./Govt. recognized school in the district where he/she is seeking admission.
- Candidates seeking admission must not have been born <u>before 01.05.2000 and after 30.04.2004.</u> This
  will apply to candidates of all categories including those belonging to SC/ST.
- 4. Navodaya Vidyalaya Samiti reserves the right to refer any candidate to <u>MEDICAL BOARD</u> for confirmation of the age of the candidate in case a doubt regarding age certificate produced by the candidate before the admission is given.

#### 11.0 RESERVATION

The existing vacant seats in the SC/ST category as notified are reserved for the SC/ST students.

#### 12.0 SELECTION AND ADMISSION

- 12.1 Selection in the selection test will not vest any right upon candidate to secure admission into JNV till the candidate produces all the relevant certificates such as date of birth, pass certificate of VIII class with mark sheets, SC/ST certificate as prescribed by NVS for the admission.
- 12.2 Details of the marks obtained in the test are not communicated and there is no provision for re-checking/re-totalling.
- 12.3 Candidates will be considered for the admission only into that Vidyalaya for which he/she has appeared for Selection Test.
- 12.4 At the time of admission, candidates belonging to Scheduled Castes (SCs) Scheduled Tribes (STs) & Other Backward Classes (OBCs) categories will have to produce the required Scheduled Caste/Tribe or OBC Certificate issued by the competent authority.
- 12.5 In case of any dispute, the decision of NVS will be final and binding on the candidates.

#### 13.0 EXAMINATION

- 13.1 Date of Examination Sunday 24th April, 2016
- 13.2 Duration Three hours (10.00 Am to 1.00 PM)
- 13.3 <u>Centre for examination</u> shall be in the <u>JAWAHAR NAVODAYA VIDYALAYA</u> of the district concerned.
- 13.4 **Medium of Language for Examination** will be English/Hindi.
- 13.5 Use Blue/Black Ball Point Pen only to write/ mark the answer. Use of Pencil is strictly prohibited.

#### 14.0 COMPOSITION OF THE TEST

Selection Test will consist of subjects of Mathematics, General Science, English and Hindi. Difficulty level of the test paper shall be Class VIII.

#### 15.0 NATURE OF THE SELECTION TEST

| SI.No. | Subject      | Marks     |
|--------|--------------|-----------|
| 01.    | English      | 15        |
| 02.    | Hindi        | 15        |
| 03.    | Maths        | 35        |
| 04.    | . Science 35 |           |
|        | TOTAL        | 100 Marks |

The test will be objective/descriptive type with 03 hours duration without any break. Centre for the examination will be Jawahar Navodaya Vidyalaya of the concerned district.

#### NAVODAYA VIDYALAYA SAMITI MODEL TEST PAPER Section - 1

#### Mathematics

#### Marks - 35

Direction:

For every question, four probable answer bearing number 1,2,3,4 are given. Only one out of these is correct. You have to choose the correct answer and encircle the number given by its side.

1. The square-root of 0.0625 is

1) 0.25 2) 0.025 3) 0.0025 4) 2.5

| 2.  | The value of $\frac{\sqrt{729} + \sqrt{729}}{\sqrt{729} - \sqrt{729}}$ | 441<br>441 is                 |                                 |   |
|-----|--|-------------------------------|---------------------------------|---|
|     | 1) $\frac{\sqrt{1170}}{\sqrt{288}}$                                    | 2) 8                          | 3) $\frac{1}{8}$                | 4) 80                                   |
| 3.  | A metallic cuboid of di  | mensions 9 cm x 6             | cm x 4 cm is melted             | to form cube. The side of the cube      |
|     | 1) 216 cm  | 2) 36 cm                      | 3) 6 cm                         | 4) 60 cm                                |
| 4.  | By which smallest num  | nber 2187 may be di           | vided so that it bec            | omes a perfect cube is                  |
|     | 1) 2   | 2) 3                          | 3) 5                            | 4) 7                                    |
| _   |  | 21 \ -3                       |                                 | ·                                       |
| 5.  | The simplification of (1   | ,                             | 1000                            |   |
|     | 1) $\frac{11}{10}$   | 2) <del>1331</del><br>1000    | 3) $\frac{1000}{4224}$          | 4) $\frac{100}{121}$                    |
|     | 10   | 1000                          | 1001                            | 121                                     |
| 6.  | If $\sqrt{3}$ =1.732 and $\sqrt{2}$ =1                                 | .414, the value of $\sqrt{3}$ | $\frac{1}{3} \sqrt{2}$ is       |   |
|     | 1) 0.318   | $2)\frac{1}{3.146}$           | 1) 3.146                        | 4) $\sqrt{1.732}$ - $\sqrt{1.414}$      |
| 7.  | The value of $4x^2 + 9y^2 - 4y^2$                                      |                               |                                 | 7 (1.702 (1.414                         |
| 7.  |  | 2) -1                         |                                 | 4) 40                                   |
|     | 1) 0   | <b>-</b> / ·                  | 3) 1                            | 4) 49                                   |
| 8.  | If, $a^2 + \frac{1}{a^2} = 7$ the value                                | e of a । Tais                 |                                 |   |
|     | 1) Only -3   | 2) Only 3                     | 3) ±1                           | 4) None of the above                    |
| 9.  | The product of (x+a) a   |                               |                                 |   |
|     | 1) x <sup>2</sup> +(a+b)x+ab   |                               | 3) x <sup>3</sup> +(a+b)x+ab    | 4) x <sup>2</sup> +(a+b)x-ab            |
| 10. | The factorization of $x^2$   | -                             |                                 |   |
|     | 1) (x+5) (x+4)   | 2) (x+5) (x-4)                | 3) (x-5) (x+4)                  | 4) (x-5) (x-4)                          |
| 11. | (x <sup>3</sup> -1) equals   | 0                             | 0                               |   |
|     |  | 2) (x <sup>2</sup> -1) (x+1)  | 3) $(x-1)(x^2+x+1)$             | 4) $(x+1) (x^2-x+1)$                    |
| 12. | If $(a+b+c)=0$ then $a^3+b$  | <sup>3</sup> equals           |                                 |   |
|     | 1) 3 abc   | 2) 2 abc                      | , ,                             | 4) $a^2+b^2+c^2$ -ab-bc-ca              |
| 13. | The value of x, which is   |                               |                                 | = 3x-10 is                              |
|     | 1) -5  | 2) 5                          | 3) 10                           | 4) 15                                   |
| 14. | The greatest of three of   |                               | nbers, whose sum is             | s 99, is                                |
|     | 1) 31  | 2) 32                         | 3) 33                           | 4) 35                                   |
| 15. | In Fig. 1, AB, EF and C  | -                             |                                 | $A \longrightarrow Q \longrightarrow B$ |
|     | if $\angle$ PQA=30° and $\angle$ PF                                    | <del>-</del>                  | equals                          | <del>E B</del> F                        |
|     | 1) 30°   | 2) 40°                        |                                 | C 40° D                                 |
|     | 3) 70°   | 4) 110°                       |                                 | Fig. 1 R                                |
| 16. | In Fig. 2 Lines I and m  | •                             | a transversal. The              | value of x is                           |
|     | 1) 60°   | 2) 120°                       |                                 | 10                                      |
|     | 3) 15°   | 4) 30°                        |                                 | Fig. 2                                  |
| 17. | Two lines in the same p  |                               | _                               | · · · · · · · · · · · · · · · · · · ·   |
|     | 1) Perpendicular to each   |                               | 2) Parallel to each             |   |
|     | 3) Identical to each oth   |                               | 4) None of the abo              | В                                       |
| 18. | In Fig 3, PM ⊥OB and   |                               | $x - = 40^{\circ}$ then x equal | als o                                   |
|     | 1) 40°   | 2) 90°                        |                                 | N A                                     |
|     | 3) 100°  | 4) 140°                       |                                 | Fig. 3                                  |
| 19. | In Fig 4, ABCD is trape  |                               | DC, If $\angle$ DAB = 50        | r then ∠ADC equals                      |
|     | 1) 100°  | 2) 130°                       |                                 | Fig. 4                                  |
| 00  | 3) 150°  | 4) 80°                        | LDD.                            | A 2007                                  |
| 20. | In Fig. 5, ABCD is rhor  | _                             | nal BD is equal to s            | side AD, ∠BAD equalA                    |
|     | 1) 30°   | 2) 45°                        |                                 | D∰В                                     |
|     | 3) 60°   | 4) 90°                        |                                 | Fig. 5                                  |
|     |  |                               | - 3 -                           | C                                       |

|       | 1) 3 cm  | 2) 4 cm   | (   | 9  |
|-------|--|---|---|--|
|       | 3) 5 cm  | 4) 6 cm   | A   | B Fig. 6   |
| 22.   | If Fig. 7, AOB is a diar<br>_AOC=140°, then _B   |   | ith centre O, BD is   | a chord and O&C and C&D are joined. If   |
|       | 1) 40°   | 2) 30°  |   | )  |
| 23.   | The greatest chord of  | a circle is called its  |   |  |
|       | 1) Radius  | 2) Tangent  | 3) Diameter Fig. 7  | 4) Circumference   |
| 24.   | In fig. 8 ABCD is a cyc  | lic quadrilateral, ∠E   | B equals  | В  |
|       | 1) 60°   | 2) 95°  | (P <sub>95</sub>  | Fig. 8   |
|       | 3) 105°  | 4) 120°   |   |  |
| 25.   | Angle inscribed in the   | minor arc of a circle   | eis   |  |
|       | 1) An acute angle  | 2) A right angle  | 3) An obtuse angl   | e 4) A straight anle   |
| 26.   | The area of an equilate  | eral triangle with sid  | e 8 cm is   |  |
|       | 1) 16 $\sqrt{_3}$ cm <sup>2</sup>  | 2) 8 $\sqrt{_{3}}$ cm <sup>2</sup>  | 3) $12\sqrt{_{3}}$ cm <sup>2</sup>  | 4) $14\sqrt{_{3}}$ cm <sup>2</sup>   |
| 27.   | The diagonals of a rho   | mbus are 4 cm and   | 6 cm. Its area will I   | pe   |
|       | 1) 24 cm <sup>2</sup>  | 2) 3 cm <sup>2</sup>  | 3) 12 cm <sup>2</sup>   | 4) 18 cm <sup>2</sup>  |
| 28.   | The area of a triangle   | is 40 cm <sup>2</sup> . If its base   | has a length of 10  | cm, the altitude of the triangle is  |
|       | 1) 80 cm   | 2) 8 cm   | 3) 12 cm  | 4) 14 cm   |
| 29.   | The diameter of a circ times the area of B   | le A is double the di   | ameter of another of  | circle B. The area of circle A is how many   |
|       | 1) 2   | 2) 4  | 3) 16   | 4) 20  |
| 30.   | The circumference of   | a circle, of area 154   | sq.m. is  |  |
|       | 1) 44 m  | 2) 22 m   | 3) 88 m   | 4) 132 m   |
| 31.   | The surface area of a  |   |   |  |
|       | 1) 256 cm <sup>3</sup>   | 2) 16 cm <sup>3</sup>   | 3) 4096 cm <sup>3</sup>   | 4) 48 cm <sup>3</sup>  |
| 32.   | The ratio of the volume  | es of a cone and a c  | ylinder of equal bas  | se radius and same height is   |
|       | 1) 1:2   | 2) 1:3  | 3) 1:6  | 4) 1:9   |
| 33.   | The number of boys th 6m <sup>3</sup> of space is  | at can be seated in   | a room of dimensic  | ons 12m x 9m x 4m, if each boy is allowed  |
|       | 1) 92  | 2) 72   | 3) 36   | 4) 32  |
| 34.   | If the radius of cylinder  | r is doubled, its volu  | me becomes  |  |
|       | 1) twice   | 2) four times   | 3) 8 times  | 4) 16 times  |
| 35.   | If the radius of a sphere sphere B is  | e A is one-half the ra  | dius of a sphere B, t   | then the ratio of volume of sphere A to that   |
|       | 1) 1:2   | 2) 1:4  | 3) 1:8  | 4) 1:16  |
|       |  | S   | Section - II  |  |
| Marka | 45   |   | English   |  |
| Marks |  |   | * the a a ations the at   | fallow   |
| 1.    | travel from northern re<br>return journey again d<br>weather. They face ma<br>forests plains and wat<br>drowned in the wild wa | ysteries of bird life in<br>gions of Asia, Europ<br>luring spring and ea<br>lany dangers and hard<br>ter sometimes sudd<br>wes. | s travelling every y<br>be and America to the<br>rly summer. They a<br>dships while traveling<br>en storms arise ar | rear during autumn and early winter birds ne southern warmer lands. They make the are very punctual unless delayed by bading long distances through the air over hills, and they are blow right out to sea and are |
|       | At hight bright lights a   | illiaci and confuse   | me biras. They ca   | nnot fly at their fastest. The migration is  |

In Fig. 6, OM  $\perp$  to the chord AB of the circle with centre O if OA = 5 cm and AB=6cm, then OM equals

21.

- 4 -

When do the birds travel from northern regions to southern warmer lands?

usually from 48 to 64 km an hour and rarely exceeds 80.

|         | b) When they fly over the sea they face the danger of   |   |                                       |  |                                      |  |  |  |  |  |
|---------|---|---|---------------------------------------|--|--------------------------------------|--|--|--|--|--|
|         | c)  | c) When these birds see the light at night, they get i) ii) |                                       |  |                                      |  |  |  |  |  |
|         | d)  |   |                                       | s coming/doing something                                 | g at the fixed time ?                |  |  |  |  |  |
| 2       | the info<br>Chem<br>Worke<br>Injured<br>Buildir<br>Factor<br>Total L  | ormation writing a<br>ical Blast in Del<br>ers Killed - 8   | a paragraph in abo<br><b>hi</b><br>ly |  | hickly populated area of Delhi using |  |  |  |  |  |
| 3.      | Look at the words and phrases below. Rearrange them to form a meaningful sentence. formed/years/the/ago/earth/was/over 4000 million |   |                                       |  |                                      |  |  |  |  |  |
| 4.      |   | _   |                                       | ging the phrase into a cla                               | use.                                 |  |  |  |  |  |
| _       |   |   | irt was given a pri                   |  |                                      |  |  |  |  |  |
| 5.      |   | -   | entence as directe                    |  | di corl                              |  |  |  |  |  |
| 6.      | -   | •   |                                       | death. (Begin with a bus do<br>n the following sentence: | iver)                                |  |  |  |  |  |
| 0.      | The be  |   | go) before I reach                    | •  |                                      |  |  |  |  |  |
| 7.      | Fill in t   |   | appropriate detern                    |  |                                      |  |  |  |  |  |
|         |   | mar   | I met was extrem                      | ely courteous.   |                                      |  |  |  |  |  |
|         |   |   | 3                                     | नुभाग ।।।  |                                      |  |  |  |  |  |
|         |   |   |                                       | ु<br>हिन्दी  |                                      |  |  |  |  |  |
| अंक १९  | 5   |   |                                       |  |                                      |  |  |  |  |  |
| निर्देश | 1) आट   | 5वें प्रश्न का उत्तर  | उसके साथ दिए ग                        | ाए खाली स्थान पर ही लिखें                                | 1                                    |  |  |  |  |  |
|         | 2) शेष  |   | थ उनके चार-चार                        |  | न एक ही उत्तर चुनकर उसके साथ में     |  |  |  |  |  |
| 1       |   | _   | <br>न सा वाक्य शुद्ध है               | ÷ ?  |                                      |  |  |  |  |  |
| •       |   | _   |                                       | ं<br>2) दूध का एक गरम गि                                 | लास पी लीजिए                         |  |  |  |  |  |
|         |   |   |                                       | <ul><li>4) गरम दूध का एक गि</li></ul>                    |                                      |  |  |  |  |  |
| 2.      |   |   |                                       | की चिंता नहीं करता ।                                     | in thisis                            |  |  |  |  |  |
| ۷.      |   |   |                                       | उपयुक्त शब्द होगा ।                                      |                                      |  |  |  |  |  |
|         | 1) नफ   |   | 2) उपलब्धि                            | 3) फायदा   | <b>४ )</b> चाध                       |  |  |  |  |  |
| •       | ,   | ।<br>का पर्यायवाची नहीं                                     | _ ′                                   | ૩) પાવલ  | 4) लाभ                               |  |  |  |  |  |
| 3.      |   |   |                                       | 2) <del>3</del>  | 4) <del></del>                       |  |  |  |  |  |
|         | 1) जल   |   | 2) पंकज                               | 3) नीरज  | 4) नलिन                              |  |  |  |  |  |
| 4.      |   | लोमड़ी भाग गई<br>   | -2                                    | ~ (_ <u>}</u> ) <del></del> ^* ^                         |                                      |  |  |  |  |  |
|         |   |   |                                       | टि (पद भेद) क्या हैं ?                                   | , , , , ,                            |  |  |  |  |  |
|         | 1) संज्ञ  | Т   | 2) सर्वनाम                            | 3) विशेषण  | 4) क्रियाविशेषण                      |  |  |  |  |  |

|        | 1) चतुरता  | 2) चतुराई  | ३) चातुर्य  | 4) चतुरानन  |  |  |  |
|--------|--|--|---|---|--|--|--|
| 6.     | राखी के दिन बहन बहु  | त प्रसन्न होती है ।  |   |   |  |  |  |
|        | <ol> <li>फूली नही समाती</li> </ol>                                       |  | 2) गांठ बांधती है   |   |  |  |  |
|        | 3) गंगा नहाती है   |  | 4) घी के दीये जलाती है  |   |  |  |  |
| 7.     | घर का भेदी लंका ढाए  | 1  | ,   |   |  |  |  |
|        | उपर्युक्त लोकोक्ति का  | आशय है   |   |   |  |  |  |
|        | <ol> <li>हनुमान ने लंका उज्</li> </ol>                                   | नाड़ी  | 2) विभीषण घर का भेदी था।  |   |  |  |  |
|        | 3) आपसी फूट बूरी हो  | ती है  | 4) गुप्त बात किसी को नहीं   | बतानी चाहिए   |  |  |  |
| 8.     | निम्नलिखित विषयों में  | से किसी एक पर लग   | ाभग 80 शब्दों में एक अनुच्छेद <sup>1</sup>  | लेखिए   |  |  |  |
|        | क) नीम का पेड़   | ख) मेरी कक्षा  | ग) सब्जी बाजार का दृश्य   | 4   |  |  |  |
|        | निर्देश निम्नलिखित अनुः<br>लगाईए:  | च्छेद को पढ़कर अंत   | में पूछे गए प्रश्नों के सही उत्तर व   | ठी क्रम संख्या पर गोले का निशान   |  |  |  |
|        | भांति रावण सीता को ग<br>कल्पना है । यही नहीं व<br>रावण पूछता है क्या बाव | ोत में नही उठाता ।<br>वह व्यंग्य में भी निपुण<br>ती सकुशल हैं । इस प<br>। उनकी पूंछ भी चली | प दिखाते हैं जिसे रावण ने छुआ न<br>उनहें पर्णकुटी – सहित उठाकर है<br>है । जब रावण की सभा में हनुमा<br>पर हुनमान का उत्तर है "राक्षसराज<br>गई हैं" । यह कथन उस घटना व<br>कर घसीटा था । | ने जाता है यह कंबन की अनोर्खी<br>न को पकड़कर लाया जाता है तो<br>न डरो मत, महापराक्रमी बाली स्वर्ग |  |  |  |
| 9.     | रामावतारम् नाम रामायण  |  |   |   |  |  |  |
|        | 1) वाल्मीकि  |  | 2) कंबन   |   |  |  |  |
|        | 3) तुलसीदास  |  | 4) उपर्युक्त में से कोई नहीं  |   |  |  |  |
| 10.    | कंबन क्यों लिखते हैं वि  | के रावण सीता को पण   | र्गकुटी सहित उठाकर ले गया ?   |   |  |  |  |
|        | <ol> <li>पर्णकुटी सहित उठा</li> </ol>                                    | ना सरल था ।  |   |   |  |  |  |
|        | 2) अशोक वाटिका में   | कुटी नहीं बनानी पड़ी   | 1   |   |  |  |  |
|        | 3) सीता को किसी पुरूष द्वारा स्पर्श करना नहीं दिखाना चाहते ।             |  |   |   |  |  |  |
|        | 4) अनोखी कल्पना क  | । प्रभाव देना चाहते है   | ÷ 1   |   |  |  |  |
| 11.    | बाली के स्वर्ग चले जाने  | ो पर उनकी पूंछ भी  | चली गई - इस कथन में छिपा  | हैं ।   |  |  |  |
|        | 1) हास्य   | 2) व्यंग्य   | <b>3)</b> करूण  | 4) भय   |  |  |  |
| 12.    | 'महापराक्रमी' शब्द का  | अर्थ है  |   |   |  |  |  |
|        | 1) महान बलशाली   | 2) महान परिश्रमी   | 3) महान आक्रमणकारी  | 4) महान परोपकारी  |  |  |  |
|        |  |  | Section - IV  |   |  |  |  |
| Marks  | 35   | Ge   | neral Science   |   |  |  |  |
| Direct | ions:  |  |   |   |  |  |  |
|        |  |  | earing numbers 1,2,3,4 are giver and encircle the number s  |   |  |  |  |
| 1.     |  |  | tion for two or more elements in  |   |  |  |  |

कौन सा शब्द से बनी भाववाचक संज्ञा नहीं है ?

5.

1) mixture

4) compound

| 2.  | Which one of the                     | e following elements is no      | ot monovalent?             | )               |                               |         |  |  |
|-----|--------------------------------------|---------------------------------|----------------------------|-----------------|-------------------------------|---------|--|--|
|     | 1) Calcium                           | 2) Sodium                       | 3) Hydrogei                | n               | 4) Chlorine                   |         |  |  |
| 3.  | The number of a                      | atoms present in one mol        | ecule of an eler           | ment is known   | as                            |         |  |  |
|     | 1) Valency                           | 2) Atomic Number                | 3) Molecula                | ar mass         | 4) Atomicity                  |         |  |  |
| 4.  | Which one of the                     | e following fuels has the l     | nighest heat val           | lue?            |                               |         |  |  |
|     | 1) ethanol                           | 2) petrol                       | 3) diesel                  |                 | 4) kerosene                   |         |  |  |
| 5.  | Graphite CAN N                       | IOT be used                     |                            |                 |                               |         |  |  |
|     | 1) as lubricant                      | 2) in making pencils            | 3) as a cutt               | ing tool        | 4) in making electrodes       | 3       |  |  |
| 6.  | The main consti                      | tuent of liquid petroleum       | gas (L.P.G) is             |                 |                               |         |  |  |
|     | 1) Methane                           | 2) ethane                       | 3) propane                 |                 | 4) butane                     |         |  |  |
| 7.  | The fraction of p<br>260° C is       | etroleum obtained during        | fractional distil          | lation betweer  | the boiling point range 180°  | °C to   |  |  |
|     | 1) fuel oil                          | 2) kerosene                     | 3) diesel                  |                 | 4) petrol                     |         |  |  |
| 8.  | Which one of th                      | e following alloys has co       | pper and tin as            | constituent m   | etals?                        |         |  |  |
|     | 1) Brass                             | 2) Bronze                       | 3) Steel                   |                 | 4) Solder                     |         |  |  |
| 9.  | The most abund                       | dant element in the earth       | s crust is                 |                 |                               |         |  |  |
|     | 1) Oxygen                            | 2) Silicon                      | 3) Aluminiu                | m               | 4) Iron                       |         |  |  |
| 10. | Extraction of me                     | etal from its ore generally     | involves.                  |                 |                               |         |  |  |
|     | a) refining                          | b) roasting                     | c) concentr                | ation and       | d) smelting                   |         |  |  |
|     |                                      | The co                          | rrect order of th          | nese steps is   |                               |         |  |  |
|     | 1) a), b), c), d)                    | 2) c), b), a), d)               | 3) c), b), d)              | , a)            | 4) c), d), b), a)             |         |  |  |
| 11. | The element hav                      | ring dull lustre yellow colou   | ır, soft, easily bre       | eakable on har  | nmering and insulator of elec | tricity |  |  |
|     | 1) sodium                            | 2) sulphur                      | 3) phospho                 | rous            | 4) potassium                  |         |  |  |
| 12. | Out of the follow                    | ing the least reactive me       | tal is                     |                 |                               |         |  |  |
|     | 1) aluminium                         | 2) copper                       | 3) iron                    |                 | 4) silver                     |         |  |  |
| 13. | Which of the fol                     | lowing is not a basic ingre     | edient for makir           | ng cement?      |                               |         |  |  |
|     | 1) calcium carb                      | onate 2) gypsum                 | 3) alumina                 |                 | 4) iron oxide                 |         |  |  |
| 14. | Which one of th                      | e following metal salt imp      | oarts purple blu           | e colour to the | glass?                        |         |  |  |
|     | 1) cobalt salts                      | 2) ferrous oxide                | <ol><li>chromiur</li></ol> | m salt          | 4) calcium oxide              |         |  |  |
| 15. | Which one of th                      | e following is a biodegrad      | dable substance            | ?               |                               |         |  |  |
|     | 1) soap                              | 2) detergent                    | 3) nylon                   |                 | 4) polyester                  |         |  |  |
| 16. | Which one of th                      | e followiong is not a poly      | mer?                       |                 |                               |         |  |  |
|     | 1) cellulose                         | 2) PVC                          | 3) glass                   |                 | 4) ravon                      |         |  |  |
| 17. | A magnet is rolle                    | ed in copper fillings. The      | fillings will              |                 |                               |         |  |  |
|     | , •                                  | to the north pole of the m      | •                          | 2) get attracte | d to the south pole of the ma | agnet   |  |  |
|     | 3) get attracted                     | equally to both poles of tl     | ne magnet                  | 4) not to be at | tracted at all                |         |  |  |
| 18. | Which statemer                       | nt is not true for magnets      | ?                          |                 |                               |         |  |  |
|     | ·                                    | 1) a magnet has two pole pieces |                            |                 |                               |         |  |  |
|     | 2) a freely suspe                    | ended magnet always res         | ts in geographi            | cal north-sout  | h direction                   |         |  |  |
|     | <ol><li>if a magnet is</li></ol>     | broken into several piec        | es, each piece l           | behaves like a  | complete magnet               |         |  |  |
|     | <ol><li>4) like poles attr</li></ol> |                                 |                            |                 |                               |         |  |  |
| 19. | •                                    | cut into two pieces of dif      |                            | en              |                               |         |  |  |
|     |                                      | ill behave as a complete        | •                          |                 |                               |         |  |  |
|     | , .                                  | <del>-</del>                    | _                          | •               | ehave like a complete magr    |         |  |  |
|     |                                      | =                               |                            | -               | pehave like complete magn     | et      |  |  |
|     | <ol><li>the smaller pi</li></ol>     | ece will have only south        | pole and the lar           | ge piece only   | north pole.                   |         |  |  |

| 20. | In which of the fo | ollowing positions a persor   | n will exert least pressure on         | the ground?                         |
|-----|--------------------|---|--|-------------------------------------|
|     | 1) a               | 2) b  |  | 200                                 |
|     | 3) c               | 4) d  |  |                                     |
| 21. |                    | of a hall are 100 m x10m of a hall are 100 m x10m of the air inside the | x 5m. The mass of 1 litre of a room is | air on the ground                   |
|     | 1) 1300 kg         | 2) 650 kg   | 3) 130 kg                              | 4) 65 kg                            |
| 22. | Suppose the for    | ce is measured in newtons   | and length is measured in mo           | etres, the unit of pressure will be |
|     | 1) newton metre    | 2) newton metre <sup>3</sup>  | 3) newton/metre                        | 4) newton/metre <sup>2</sup>        |
| 23. | The SI unit of el  | ectric current is   |  |                                     |
|     | 1) coulomb         | 2) ampere   | 3) volt                                | 4) watt                             |
| 24. | The frequency o    | f alternating current (A.C.)  | flowing through the electrica          | al appliances in our country is     |
|     | 1) 30 cycles/sec   | cond 2) 50 cycles/second  | 3) 60 cycles/second                    | 4) 100 cycles/second                |
| 25. | The heating eler   | ment in an electric iron is m   | nade of                                |                                     |
|     | 1) nickel          | 2) chromium   | 3) nichrome                            | 4) tungsten                         |
| 26. |                    | iven below the light rays AC<br>I hich of these rays travel a           |  | ent on one surface of a glass slab  |
|     | 1) AO              |   | 2) BO                                  | <del>\</del> 0                      |
|     | 3) CO              |   | 4) DO                                  |                                     |
| 27. | The image of an    | object formed by eye on re  | etina is                               |                                     |
|     | 1) real and erect  | 2) real and inverted  | 3) virtual and erect                   | 4) virtual and inverted             |
| 28. | In which of the fo | ollowing diagrams the imag  | ge X'Y' of the candle XY is dr         | awn correctly?                      |
|     | (A)                | X 22F F X   | 2F Y 2F F X'                           | X F O X'                            |
|     | 1) D               | 2) C  | 3) B                                   | 4) A                                |
| 29. | ,                  | wants to see the traffic bel  | ,                                      | ,,                                  |
|     | 1) plane mirror    | 2) concave mirror   | 3) convex mirror                       | 4) none of the above                |
| 30. | , ·                | rgan which originally perfo   | •                                      | through evolution has become        |
|     | 1) vestigial orgar | n 2) homologous organ   | 3) analogous organ                     | 4) none of the above                |
| 31. | Which of the foll  | owing are homologous org  | ans?                                   |                                     |
|     | 1) wing of butter  | fly, wing of bird, wing of ba   | t                                      |                                     |
|     | 2) tail of scorpio | n, tail of bird, tail of monke  | y                                      |                                     |
|     | 3) paddle of wha   | ale, front leg of horse, arm o  | of man                                 |                                     |
|     | 4) sting of honey  | bee, sting of scorpion, sti   | ing of snake                           |                                     |
| 32. | Energy generate    | es in the plant by  |  |                                     |
|     | 1) photosynthes    | is 2) respiration   | 3) transpiration                       | 4) osmosis                          |
| 33. | Water enters the   | e plant by  |  |                                     |
|     | 1) adding manur    | e 2) adding fertilizer  | 3) irrigation                          | 4) crop rotation                    |
| 34. | On a normal sur    | nny day the temperature at  | tained in a solar cooker is ar         | ound.                               |
|     | 1) 50°C            | 2) 75°C   | 3) 100°C                               | 4) 150°C                            |
| 35. | Which of the foll  | owing is not a renewable s  | ource of energy?                       |                                     |
|     | 1) biogas          | 2) wind   | 3) flowing water                       | 4) fossil fuel                      |

## JAWAHAR NAVODAYA VIDYALAYA SELECTION TEST <u>2016-17</u> LATERAL ENTRY – CLASS IX

#### **APPLICATION FORM**

|  |                   |             | <u> </u>  | APPLICA    | ATION I  | <u>-ОКМ</u> | •          | pho             | tograph of                            |
|--|-------------------|-------------|-----------|------------|----------|-------------|------------|-----------------|---------------------------------------|
| Roll No.   |                   |             |           |            |          |             |            | at<br>Ho<br>sch | tested by<br>ead of the<br>nool where |
| (To be left l  | olank.To          | be filled   | by the O  | ffice of I | Principa | ıl, JNV     | <b>'</b> ) | st              | udying in                             |
|  |                   |             | e         |            |          |             |            |                 |                                       |
|  |                   |             |           |            |          |             |            |                 |                                       |
|  |                   |             |           |            |          |             |            |                 |                                       |
|  |                   |             |           | uardian)   |          |             |            |                 |                                       |
| 5. Relat   | ionship w         | ith Guar    | dian      |            |          |             |            |                 |                                       |
| 6. Natio   | onality of        | the Can     | didate    |            |          |             |            |                 |                                       |
| To be left blank. To be filled by the Office of Principal, JNV)  . Name of the Candidate |                   |             |           |            |          |             |            |                 |                                       |
|  |                   |             |           |            |          |             |            |                 |                                       |
|  |                   |             |           |            |          |             |            |                 |                                       |
| 8. Tick  | <b>⟨√</b> } the a | ppropria    | te Box:   |            |          |             |            |                 |                                       |
| a) <b>(</b>  | Gender            | Boy         | Girl      | TG         |          | b           | ) Area     | Rural           | Urban                                 |
|  |                   |             |           |            |          |             |            |                 |                                       |
| c) <b>(</b>  | Category          | Gene        | ral S0    | C S        | T O      | ВС          |            |                 |                                       |
| Roll No.   |                   |             |           |            |          |             |            |                 |                                       |
| 9. (a)   |                   | Birth (in   |           | lonth      |          |             | Year       |                 |                                       |
|  | Date of           | f Birth (ii | n words). |            |          |             |            |                 |                                       |
| (b)  | Identific         | cation M    | ark       |            |          |             |            |                 |                                       |

| 10.       | Name of the school where candidate is studying in Class VIII during 2015-2016  |
|-----------|--|
|           |  |
|           | (b) Whether recognized Yes No (Tick appropriate)   |
| 11.       | Medium through which candidate is studying in Class VIII:  |
|           | Hindi English Others   |
|           |  |
| 12.       | CERTIFICATE BY CANDIDATE/GUARDIAN  |
| Ce<br>inf | rtified that the information given above is true to the best of my knowledge and belief. In case any of the ormation given above is found incorrect, I will abide by the decision of the Samiti. |
|           |  |
|           |  |
|           |  |
|           | Signature of Father / Guardian (With date) Signature of Candidate (With date)  |
| 13.       | Certified by the Head of the School where candidate is studying in Class -VIII during $\underline{2015-16}$ :  |
|           | This is certified that Master/Ms   |
|           | S/o, D/o Shriis  |
|           | studying in the School since   |
|           | and  |
|           | he/she has passed /appeared for his/her Class VIII examination from this school.   |
|           | As per school record his/her date of birth is(in figures)  |
|           | (in words)   |
|           | He/She belongs to SC/ST/OBC category and his/her caste is  |
|           | This is also certified that entries made by the applicant in the application form are correct as per school record.  |
|           | Date :   |

Signature of the Head of School (with Official Stamp)

#### JAWAHAR NAVODAYA VIDYALAYA SELECTION TEST- 2016-17 LATERAL ENTRY – CLASS IX

#### **ADMIT CARD**

| Day & Date of Examination Roll No. |                               |                 |             |  |  |         |
|------------------------------------|-------------------------------|-----------------|-------------|--|--|---------|
|                                    | 24 <sup>th</sup> April 2016   |                 |             |  |  |         |
| Time 10.                           | ∩∩ Hre                        |                 |             | <del>                                     </del> |  |         |
|                                    | ates to report 30 Minutes be  | efore)          |             | F  | Passport siz                           | e       |
|                                    |                               |                 |             | ŗ  | hotograph of the                       |         |
| Venue :                            | Jawahar Navodaya Vidyal       | aya             |             | _  | andidate dul<br>ttested by hea         | ·       |
|                                    |                               | -               |             |  | of the school                          |         |
|                                    |                               |                 |             |  | vhere candidate tudying in Class VIII. |         |
|                                    |                               |                 |             | 1  | tudying in class viii.                 |         |
| (1)                                | Name of the candidate         |                 |             |  |  | _       |
| (2)                                | Mother's Name                 |                 |             |  |  |         |
| (3)                                | Father's Name                 |                 |             |  |  |         |
| (4)                                | Date of Birth                 |                 |             |  |  |         |
| ` '                                |                               |                 |             |  |  |         |
|                                    |                               | (Figure         | es)         |  |  |         |
| <i>(5</i> )                        | Catagory : (Engirals annu     | onriato\        |             |  |  |         |
| (5)                                | Category: (Encircle appr      |                 | ОТ /        | ono ("")   | <b>5</b> ./                            |         |
| (i)                                | Boy / Girl / TG               | ii) Gen./SC     | 3/ 51/ (    | OBC (III)  | Rurai / Urban                          | ı       |
| Sic                                | nature of the candidate       | in the          | To be le    | ft blank fo                                      | r obtaining sign                       | ature   |
|                                    | sence of HM/Principal of the  |                 |             |  | in the present                         |         |
|                                    | ere the candidate is stu      |                 |             |  | gilator on the d                       |         |
|                                    | her class VIII during 2015-10 |                 | exam.       | - G - G - G - G - G - G - G - G - G - G          | g                                      | ,       |
|                                    |                               |                 |             |  |  |         |
|                                    |                               |                 |             |  |  |         |
|                                    |                               |                 |             |  |  |         |
|                                    |                               |                 |             |  |  |         |
|                                    |                               |                 |             |  |  |         |
|                                    |                               |                 |             |  |  |         |
|                                    |                               |                 |             |  |  |         |
|                                    |                               | <b>ACKNOWLE</b> | DGEMEN      | <u>IT</u>  |  |         |
| Descint                            | Na                            |                 |             |  |  |         |
| Keceipi                            | No                            | <del></del>     |             |  |  |         |
| Received                           | d Application Form from Mast  | er/Kumari       |             |  |  |         |
| S/o / D/o                          | Sh                            |                 | St.         | udent of   |  |         |
| 5/0 / D/0                          | Sii                           |                 |             | duent or _                                       |  |         |
|                                    |                               |                 |             |  | _School, for ad                        | mission |
| in lawah                           | ar Navodaya Vidyalaya Seled   | tion Tost Later | al Entry (  | lace IV •  | 016_17                                 |         |
| iii Jawan                          | ai navuuaya viuyalaya 5ele(   | mon rest Later  | aı ⊑iiliy C | اماءۃ اکہ <u>ک</u>                               | <u>010-17.</u>                         |         |
|                                    |                               |                 |             |  | DDINO                                  |         |
|                                    |                               |                 |             |  | PRINCIP                                |         |
|                                    |                               |                 |             | J.N  | .V                                     |         |
|                                    |                               |                 |             | Dis  | tt                                     |         |
|                                    |                               |                 |             | State  | e                                      |         |