

TEST CODE
110317



WGSE 2016

CLASS 03

Time :
90 Minutes

World Genius Search
Examination™ - 2016

Your WGSE Roll No

Student's Name

Student's Signature _____

INSTRUCTIONS TO THE CANDIDATE

1. **DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO.**
2. Fill and sign the Question Booklet. You can carry this booklet with you after you finish the test at the scheduled time.
3. Fill the information required in the answer sheet. Answer sheets with incomplete information may not be evaluated.
4. Do not seek clarification on any item in the test booklet from anyone including the test invigilator or the center supervisor. Use your best judgement.
5. This booklet consists of three sections as given below :
SECTION-1: MATHEMATICS – 15 Questions, **SECTION-2: ENVIRONMENTAL SCIENCE** – 15 Questions, **SECTION-3: ENGLISH** – 5 Questions and **SECTION-4: GENERAL KNOWLEDGE** – 5 Questions.
6. In case of any problem with your test booklet, inform the invigilator immediately. You will be provided with a replacement.
7. Use of standalone Calculator is allowed. Mobile phones are strictly prohibited.
8. Use **HB PENCILS** only for marking answers on the OMR sheet. Do not use pens.
9. **Each question carries 2 marks. Questions 1 to 40 will have one correct answer. Shading one or more wrong bubble/s make the answer wrong. There are no negative marks allotted to wrong answers.**
10. Use the margin in the **Question Booklet** for rough work. No other piece of paper is permitted to be used for rough work. Failure to follow instructions and examination norms will lead to disqualification.
11. Your **ADMIT CARD** should be returned to the invigilator with your answer sheet.

PLEASE WAIT FOR THE SIGNAL TO OPEN THE TEST BOOKLET

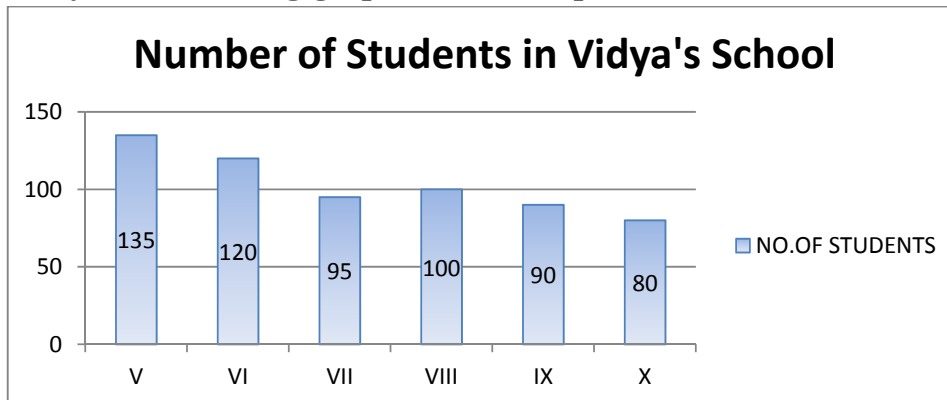
Open from this side —————>

Important Note: Questions from 1 to 40 will have only one right answer. To score marks for each question, bubble for the right answer option should be shaded. Shading more than one bubble or a wrong bubble makes the answer wrong. No marks are given for wrong answers.

MATHEMATICS

1. Vidya purchased a mixer grinder for Rs. 2450. An oven costs Rs.150 more than the television. What was the total cost for these 2 items?
(a) Rs.2600 (b) 5050 (c) 6060 (d) 6080
2. Hypatia says that the first day of the month of May 2016 falls on Sunday. What day is on 1st June 2016?
(a) Monday (b) Wednesday (c) Thursday (d) Friday
3. Afreen has 9 stalks of roses. 6 of them are red. The rest are yellow. What fraction of the roses is red?
(a) $\frac{1}{3}$ (b) $\frac{2}{3}$ (c) $\frac{3}{3}$ (d) $\frac{4}{3}$
4. Quana had Rs. 1248 with her. She gave an equal amount to her Afreen, Hytpatia and Vidya. She is still left with Rs. 270. How much money each of her friends got?
(a) Rs. 270 (b) Rs.326 (c) Rs.560 (d) Rs.978
5. Tomorrow is Tuesday. What day is 9 days from today?
(a) Tuesday (b) Wednesday (c) Thursday (d) Friday
6. There were 3028 people in a train. 487 people alighted while 524 boarded. How many people are left in the train?
(a) 2541 (b) 3065 (c) 3552 (d) 3820
7. Find the total amount of 5 twenty five paise, 8 fifty paise and 4 two rupees coins.
(a) Rs. 10.25 (b) Rs.9.25 (c) Rs.13.25 (d) Rs. 8.25

Study the following graph & answer questions 8 to 10



8. How many students are more in class V than in class X?
(a) 95 (b) 55 (c) 80 (d) 35

9. The differences in the number of students between two pair of classes are the same. Which are they?
(a) V, VIII & VII, X (b) VI, IX & VII, X
(c) V, VI & VII, X (d) V, VI & VII, IX
10. Which class has the lowest number of students?
(a) V (b) X (c) VII (d) IX
11. Hypatia would like to know how many groups can be obtained when English alphabets are arranged in groups that contains equal number of letters.
(a) 12 (b) 11 (c) 13 (d) 10
12. Today is Monday and time is 1 : 25 after how many days the same time will come on next Friday?
(a) After two days (b) After one day
(c) After three days (d) After four days
13. If denominator and numerator of a fraction is 3 times the denominator and numerator of another fraction. What these fractions are?
(a) Like fractions (b) Unlike fractions
(c) Equivalent fractions (d) improper fractions
14. To measure long distance between Mumbai and Pune, which of the following unit is used?
(a) Metres (b) Kilometres (c) Centimetres (d) Millimetres
15. Maximum 4 students can sit on a bench. How many benches are required for 432 students to sit?
(a) 108 (b) 109 (c) 107 (d) 128

GENERAL SCIENCE

16. How does a frog breathe?
(a) Through lungs only (b) Through gills only
(c) Through skin only (d) Both lungs and skin
17. While riding a bicycle, you should
(a) show hands when you are taking a blind turn.
(b) place your feet on the handle bar
(c) put your hands off the handle bar
(d) peddle fast when there is a slope
18. The moon produces no light and yet it shines at night. Which of the following statement give the reason?
(a) The moon is covered with a thin layer of ice

- (b) The moon has many lamps
 (c) The moon revolves at a very high speed
 (d) The moon reflects the light from the sun
19. Identify the one that does not belong to the given group.
 (a) Parrot (b) Pigeon (c) Ostrich (d) Sparrow
20. Which of these control all other organs and organ systems?
 (a) Heart (b) Brain (c) Stomach (d) Lungs
21. Stomach is a part of
 (a) circular system (b) excretory system
 (c) nervous system (d) digestive system
22. The sun, the moon and the planets together form the
 (a) lunar system (b) solar system
 (c) universal system (d) atmosphere
23. Quana saw a creature with six legs. Which creature did she see?
 (a) Spider (b) Caterpillar (c) Pigeon (d) Housefly
24. Identify the correct pair
 (a) Brain – Excretory system (b) Lungs – Respiratory system
 (c) Heart – Nervous system (d) Stomach – Digestory system
25. Aquatic animals like fish get oxygen required for respiration from
 (a) the oxygen in the air (b) the oxygen dissolved in water
 (c) the oxygen in bubbles of air (d) the carbon dioxide dissolved in water
26. If dog reproduces puppy then lion reproduces which one of the following?
 (a) Kitten (b) Chick (c) Calf (d) Cub
27. Animal 'X' possess following characteristic :
 (i) Grasping hand and feet
 (ii) Closest to human being than other
 (iii) Tree dwelling
 Which one of the following group does 'X' belong?
 (a) Aerial (b) Terrestrial (c) Aquatic (d) Arboreal
28. Which one of the following bird makes nest with stones and pebbles?
 (a) Puffin (b) Duck (c) Hoopoe (d) Penguin
29. Which one of the following is not an eye disease?
 (a) Cataract (b) Sprain (c) Myopia (d) Hypermetropia
30. Which one of the following is an amphibian?
 (a) Toad (b) Crocodile (c) Hyena (d) Rabbit

ENGLISH

31. I wonder whether I _____ see him again
 (a) will (b) shall (c) should (d) would

Locate the error in the sentence

32. Everyone of the students / has bought / identity card.
 (a) Everyone of the students (b) has bought
 (c) identity card (d) No error
33. Cattles / were grazing / in the meadows / near our farm
 (a) Cattles (b) were grazing
 (c) in the meadows (d) near our farm
34. Which of the following is a noun?
 (a) dog (b) play (c) good (d) or
35. Identify the word that should start with capital letter
 (a) apple (b) state (c) flag (d) delhi

GENERAL KNOWLEDGE

36. How long does it take for the Earth to complete one rotation about its own axis?
 (a) 12 hours (b) 24 hours (c) 1 month (d) 1 year
37. Jasmine took a small quantity of soil in a jar and poured some water in it. She observed some air bubbles coming up. This proves that:
 (a) Soil has water in it (b) Soil contains some trapped air
 (c) Soil can prepare air (d) Soil contains clay and water
38. Which of the following is bad for our health?
 (a) Wearing washed clothes (b) Spitting in the open
 (c) Cleaning our house everyday (d) Using proper toilet
39. To measure the quantity of kerosene, which of the following units should be used?
 (a) Kilogram (b) Seconds (c) Celsius (d) Litre
40. Who is the President of India?
 (a) Narendra Modi (b) Pranab Mukharjee
 (c) Rahul Gandhi (d) Arvind Kejriwal

END OF DOCUMENT

HOT POT – Do it at home!
Hybrid Open Test – Power of Thought

The Mathematic teacher asked her class to form three member groups to write a paragraph about how students can improve their life using Mathematics they have learnt.

As usual, Hypatia, Vidya and Wisden sat together and discussed about it. Here is what they wrote.

MATHEMATICS IN OUR LIFE!

What you mean by $a + b = b + a$? Many students will answer its property name. But we understand that, it is the mathematical representation of a practical statement. $5 + 3 = 3 + 5$. We are not interested to give an example to explain it.

Consider the statement – “addition from left to right is equal to addition from right to left”. This statement has 55 letters in it. But if you know how to use the alphabet of Mathematics, 55 letters (characters) can be translated to Mathematics! Mathematics represents 55 letters in just 7 letters!

Writing “addition from left to right is equal to addition from right to left” in our notebook consumes energy to write, space to write, time to write and ink to write. But when you translate the statement to the language of Mathematics, it takes very less space, time and energy!

We believe anything in any language we speak can be translated to the language of Mathematics to make our life easier.

ATTN: Parents – Please encourage children to think as Hypatia and Vidya were thinking. Help them to do so. They will redefine the universe by inventing new rules!

Do you think as they thought? Write your thoughts to worldgeniuscouncil@gmail.com Please mention your WGC ID (roll number) in the subject line. Right answers will be appreciated.

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