

<b>JA – 1 / 2019</b>
<b>Paper – I</b>
<b>LANGUAGE TEST (ENGLISH &amp; ODIA)</b>

*Time : 2 hours*

*(Both for English and Odia)*

*Full Marks : 100*

*(English : 50 + Odia : 50)*

*The figures in the right-hand margin indicate marks.*

*Candidates should write the answer*

*in two separate Answer Books supplied to them*

*i. e. one for 'English' and another for 'Odia'.*

*Answer as directed.*

## LANGUAGE TEST (English)

Attempt **all** questions from all the Sections.

### Section – A

#### (Grammar)

1. Fill in the blank with appropriate tenses. 1

She never visits any zoo because she is strong opponent of the idea of \_\_\_\_\_.

- (a) Setting the animals free
- (b) Feeding the animals while others are watching
- (c) Watching the animals in their natural abode
- (d) Holding the animals in capacity of our joy.

2. Choose the passive voice in the following sentence : 1

Who is creating this mess ?

- (a) Who has been created this mess ?
- (b) By whom has this mess been created ?
- (c) By whom this mess is being created ?
- (d) By whom is this mess being created ?

3. Choose the passive voice in the following sentence : 1

I remember them taking me to the zoo.

- (a) I was being remembered them taking me to the zoo.
- (b) I remember being taken to the zoo.
- (c) I had remembered them taking me to the zoo.
- (d) I am being remembered them taking me to the zoo.

4. Fill in the blank with appropriate modal verb in the following : 1

I \_\_\_\_\_ (swim) across the river when I was young.

- (a) Could
- (b) Should
- (c) Shall
- (d) Would

5. Choose the appropriate sentence in the following : 1

- (a) The mayor, with his counselors, are to be present.

- (b) Honor and glory is his reward.
- (c) Knowledge and wisdom have of times no connection.
- (d) The novelist and poet are dead.

6. Choose the correct infinite in the following sentence : 1

I saw him \_\_\_\_\_ it.

- (a) Do
- (b) Doing
- (c) To
- (d) Done

7. Choose the correct conjunction in the following sentence : 1

They cannot watch television \_\_\_\_\_ the rest are studying.

- (a) So that
- (b) Therefore
- (c) While
- (d) But

8. Arrange the correct phrase in the following : 1

I'll \_\_\_\_\_ their cat while they are away on holiday.

- (a) Be looking into
- (b) Be looking after
- (c) Be looking at
- (d) Be looking over

9. Choose the correct word or phrase : 1

Despite \_\_\_\_\_ hard, he failed in the exam.

- (a) He studied
- (b) Of studying
- (c) Studying
- (d) Study

10. Choose the appropriate structure in the following : 1

By the time she arrives, we \_\_\_\_\_ our homework.

- (a) Finish
- (b) Will finish
- (c) Had finished
- (d) Will have finished

11. 'Its freezing cold in here' means : 1

- (a) It's very cold
- (b) It's very hard
- (c) It's middle of the winter
- (d) None of these

12. Choose the correct infinite : 1

He made his children \_\_\_\_\_ their home work every afternoon.

- (a) Do
- (b) To do
- (c) Studied
- (d) To study

13. Choose the correct reported speech : 1

She said, "I really wish I had bought that new car".

- (a) She told me that she really wished she bought that new car.
- (b) She told me that she really had wished she had bought that new car.
- (c) She told me that she really wished she had bought that new car.
- (d) None of these

14. Choose appropriate superlative degree for the following sentence : 1

Some poets are at least as great as Tennyson.

- (a) Tennyson is the greatest poet.
  - (b) Tennyson is greatest poet.
  - (c) Tennyson is one of the greatest poets.
  - (d) Tennyson is not the greatest of all poets.
15. Supply appropriate determiner for the following sentence : 1

I had \_\_\_\_\_ friends in Cracow. So I moved to Warsaw.

- (a) None
  - (b) Few
  - (c) A few
  - (d) Little
16. Supply appropriate determiner for the following sentence : 1

The room was extremely tiny. There was \_\_\_\_\_ space to move.

- (a) Little
- (b) A little

- (c) Some
- (d) A few
17. Supply appropriate determiner for the following sentence : 1  
Either the Manager or his assistants failed in \_\_\_\_\_ duty.
- (a) His
- (b) Her
- (c) Their
- (d) Themselves
18. Supply appropriate determiner for the following sentence : 1  
The army had to face terrible privations in \_\_\_\_\_ march.
- (a) Its
- (b) Their
- (c) Them
- (d) His
19. Choose the appropriate preposition in the following sentence : 1  
He persisted \_\_\_\_\_ disobeying the orders.
- (a) In



- (b) On  
(c) Of  
(d) From
20. Choose the appropriate preposition in the following sentence : 1  
We should be indefatigable \_\_\_\_\_ doing good
- (a) On  
(b) At  
(c) Of  
(d) In

### Section – B

#### (Comprehension)

Read the passage and answer the following questions :

Today's real borders are not between nations, but between powerful and powerless, free and fettered, privileged and humiliated. Today, no walls can separate humanitarian or human rights crises in one part of the world from national security crises in another. Scientists tell us that world of

nature is so small and interdependent that a butterfly flapping its wings in the Amazon rainforest can generate a violent storm on the other side of the earth. This principle is known as the 'Butterfly Effect'. Today, we realize, perhaps more than ever, that the world of human activity also has its own 'Butterfly Effect' — for better or for worse. Ladies and Gentlemen, we have entered the third millennium through a gate of fire. We realize that humanity is indivisible. New threats make no distinction between races, nations, or regions. A new insecurity has entered every mind, regardless of wealth or status. A deeper awareness of the bonds that bind us all — in pain as in prosperity — has gripped young and old. The 20th Century was perhaps the deadliest in human history, devastated by innumerable conflicts, untold suffering and unimaginable crimes. Time after time, a group or a nation inflicted extreme violence on another, often driven by irrational hatred and suspicion, or unbounded arrogance and thirst for

power and resources. In response to these cataclysms, the leaders of the world came together at mid-century to unite the nations as never before.

21. What is the 'Butterfly Effect' ? 2
22. 'The 20th Century was perhaps the deadliest in human history.....' What evidence do you find in the extract to support this statement ? 2
23. Do as directed :  $1 \times 2 = 2$
- (a) A new insecurity has entered every mind.  
(Pick out the verb and identify the tense)
- (b) New threats make no distinction between the races.  
(Add a question tag)
24. What message does the speaker wish to convey ? 2
25. Find word in the above passage which convey the similar meaning for :  $\frac{1}{2} \times 4 = 2$
- (a) Make someone do something unpleasant
- (b) Marked by humanistic values and devotion to human welfare.

- (c) An event resulting in great loss and misfortune.
- (d) Overbearing pride evidenced by a superior manner toward inferiors.

**Section – C**

**(Writing)**

26. Write a letter on the following topic (within **150** words) : 10

A letter to the Society for the Prevention of Cruelty to Animals (about a case of cruelty to a bullock giving details).

**OR**

A letter to the President of India, highlighting on Climate Change.

27. Write a short essay on the following topic (within **250** words) : 10

Abrogation of Article 370 and its political impact.

**OR**

Terrorism is the biggest threat to the World.

## LANGUAGE TEST (Odia)

Attempt all questions.

୧. ନିମ୍ନବାକ୍ୟଟିର ଅସ୍ତିତ୍ୱପଦ ପଦ କ'ଣ ହେବ ? 9  
'ଭାରତୀୟ ଦର୍ଶନବିନା ଭାରତକୁ ଜାଣିହେବ ନାହିଁ' ।  
କିମ୍ପା  
ନିମ୍ନପ୍ରଦତ୍ତ ସରଳବାକ୍ୟକୁ ଯୌଗିକ ବାକ୍ୟରେ ପରିଣତ କର :  
'ହାତେ ମାପି ଚାଖଣ୍ଡେ ଚାଲ' ।
୨. ନିମ୍ନ ବିଶେଷ୍ୟ ପଦର ବିଶେଷଣରୂପ ପ୍ରଦାନ କର । 9  
'ଆଶ୍ରୟ'
୩. 'ଦୁରବସ୍ଥା' — ଶବ୍ଦଟିର ସନ୍ଧିବିଚ୍ଛେଦ କର । 9
୪. 'ଉକୁଣାମୁଣ୍ଡା' — କି ପ୍ରକାର ସମାସ ପଦ ? 9
୫. 'ପ୍ରସାଦ' ଓ 'ପ୍ରାସାଦ' — ଶବ୍ଦର ପ୍ରୟୋଗ ପୂର୍ବକ ଦୁଇଟି ବାକ୍ୟ ରଚନା କର । 9
୬. ନିମ୍ନସ୍ଥ ଶବ୍ଦଗୁଡ଼ିକ ଭୁଲଥିଲେ ଠିକ୍ କର : ୩  
ଅନିର୍ବାଚ୍ୟ, ଅନୁସୂୟା, ଭୁବନେଶ୍ୱର
୭. 'କାଠିକର ପାଠ' — ରୁଚିପଦର ବାସ୍ତବିକ ଅର୍ଥ କ'ଣ ? 9
୮. 'ତହିତ ଶବ୍ଦ' କାହାକୁ କୁହାଯାଏ ? 9

୯. ହତ୍ତ ଗୋଟିଏ ଅରତ ଖସିଗଲା ଯାଉ — ଏ ବାକ୍ୟରେ ଉପଯୁକ୍ତ ବିରାମ ଚିହ୍ନ ପ୍ରୟୋଗ କର । ୨

୧୦. ୨୫୦ ଶହ ମଧ୍ୟରେ କୌଣସି ଗୋଟିଏ ବିଷୟରେ ପ୍ରବନ୍ଧ ରଚନା କର : ୧୦  
ତୁମର ଆଦର୍ଶ ବ୍ୟକ୍ତିତ୍ୱ

କିମ୍ପା

ଆମ ସମାଜ ଜୀବନରେ ବିଜ୍ଞାନ ଓ ପ୍ରଯୁକ୍ତି ବିଦ୍ୟାର ଭୂମିକା

୧୧. ସ୍ଥାନୀୟ ପୌର ସଭାକୁ ତୁମ ଅଞ୍ଚଳରେ ପାନୀୟ ଜଳର ବ୍ୟବସ୍ଥା କରିବା ପାଇଁ ଦରଖାସ୍ତ ଲେଖ ।

କିମ୍ପା

କଲେଜ ଅଧ୍ୟକ୍ଷଙ୍କୁ ତୁମପାଇଁ ଛୁଟି ମଂଜୁର କରିବାଲାଗି ୧୫୦ ଶହ ମଧ୍ୟରେ ଗୋଟିଏ ଦରଖାସ୍ତ ଲେଖ ।

୧୨. ନିମ୍ନ ପ୍ରଦତ୍ତ ଇଂରାଜୀ ଅନୁଛେଦର ଓଡ଼ିଆ ଅନୁବାଦ କର : ୫

One of the greatest advances in modern technology has been the invention of computers. They are widely used in Industries and Universities. Now there is hardly any sphere of human life where computers have not been pressed into service of man. We are heading fast

on the close of this present century towards a situation when a computer will be as much part of man's daily life as a telephone or a calculator. Computers are capable of doing extremely complicated work in all branches of learning. They can solve the most complex mathematical problems or put thousands of unrelated facts in order. These machines can be put to varied uses.

୧୩. ନିମ୍ନ ଅନୁଛେଦଟି ପାଠକରି ତତ୍ ସଂପୃକ୍ତ ପ୍ରଶ୍ନଗୁଡ଼ିକର ଉତ୍ତର ଦିଅ :

$$8 \times 9 = ୧୦$$

ସିଦ୍ଧିଲାଗି କର୍ମରେ ଶୁଖିଲା, ଅଭିନିବେଶ, ଶାନ୍ତିଯେପରି ଦରକାର, ସେହିପରି ଦରକାର ଆତ୍ୟନ୍ତରୀଣ ଚିତ୍ତ ସଂଯମ । ଯେଉଁଲୋକ ପ୍ରତ୍ୟେକ ଅନୁଭୂତି ଦ୍ଵାରା ଅଭିଭୂତ ହୋଇପଡ଼େ, ସେ ଜଗତର ଭାର ଲଘୁ କରିବ କିପରି ? ଗୋଟିଏ ବଡ଼ ଅନୁଭୂତି ପାଇଁ ଆମକୁ ଅନେକ କ୍ଷୁଦ୍ରକ୍ଷୁଦ୍ର ଅନୁଭୂତିକୁ ବଳିଦେବାକୁ ହେବ । ଜଗତର କଲ୍ୟାଣ ଉଦ୍ଦେଶ୍ୟରେ ରାଜପୁତ୍ର ସିଦ୍ଧାର୍ଥ ପତ୍ନୀ ଓ ନବଜାତ ପୁତ୍ରକୁ ପରିତ୍ୟାଗ କରିଥିଲେ । ଜଗତରେ କବି, ଲେଖକ, ବୈଜ୍ଞାନିକ, ମନ୍ତ୍ରୀ ବା ନେତାଙ୍କ ସଂଖ୍ୟା ମୁଷିମେୟ । ଏମାନେ ଉପର ସ୍ତରରେ ରହିଲେ । ଏମାନଙ୍କ କର୍ମପନ୍ଥା

ଏମାନେ ନିଜେ ବାଛିବାରେ ଓ ତାକୁ ଚଳାଇବାରେ ଏମାନଙ୍କର  
ସ୍ୱାଧୀନତା ଅଛି ; କିନ୍ତୁ ଜଗତର ଅଧିକାଂଶ ଲୋକ ଅଧସ୍ତନ ହୋଇ  
ହଁ କାଳ କଟାନ୍ତି ।

(କ) କର୍ମରେ ସିଦ୍ଧିପାଇଁ କ'ଣ ଆବଶ୍ୟକ ?

(ଖ) ଗୋଟିଏ ବଡ଼ ଅନୁଭୂତିପାଇଁ କ'ଣ ବଳିଦେବାକୁ ପଡ଼େ ?

(ଗ) ସିଦ୍ଧାର୍ଥ କାହିଁକି ସ୍ତ୍ରୀ ପୁତ୍ରକୁ ପରିତ୍ୟାଗ କରିଥିଲେ ?

(ଘ) କିଏ କବି, ଲେଖକ ଆଦିଙ୍କ କର୍ମପତ୍ତା ବାଞ୍ଛେ ?

(ଙ) ଅଭ୍ୟନ୍ତରୀଣ ଚିତ୍ତ ସଂଯମ କେଉଁଥିପାଇଁ ଲୋଡ଼ା ?





**DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO**

Test Booklet Series

**A**

**TEST BOOKLET**

**JUNIOR ASSISTANT**

**PAPER – II**

**(GENERAL KNOWLEDGE)**

T. B. C. : JA – 2/2019

Sl. No. **111949**

**Time Allowed : 1 Hour**

**Maximum Marks : 100**

**: INSTRUCTIONS TO CANDIDATES :**

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET **DOES NOT** HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET OF THE SAME SERIES ISSUED TO YOU.
2. ENCODE CLEARLY THE TEST BOOKLET SERIES **A, B, C** OR **D**, AS THE CASE MAY BE, IN THE APPROPRIATE PLACE IN THE ANSWER SHEET USING BALL POINT PEN (BLUE OR BLACK).
3. You have to enter your **Roll No.** on the Test Booklet in the Box provided alongside. **DO NOT** write *anything else* on the Test Booklet.
4. **YOU ARE REQUIRED TO FILL UP & DARKEN** ROLL NO., TEST BOOKLET / QUESTION BOOKLET SERIES IN THE ANSWER SHEET AS WELL AS FILL UP TEST BOOKLET / QUESTION BOOKLET SERIES AND SERIAL NO. AND ANSWER SHEET SERIAL NO. IN THE ATTENDANCE SHEET CAREFULLY. **WRONGLY FILLED UP ANSWER SHEETS ARE LIABLE FOR REJECTION AT THE RISK OF THE CANDIDATE.**
5. This Test Booklet contains **100** items (questions). Each item (question) comprises four responses (answers). You have to select the correct response (answer) which you want to mark (darken) on the Answer Sheet. In case, you feel that there is more than one correct response (answer), you should mark (darken) the response (answer) which you consider the best. In any case, choose **ONLY ONE** response (answer) for each item (question).
6. You have to mark (darken) all your responses (answers) **ONLY** on the **Separate Answer Sheet** provided by using **BALL POINT PEN (BLUE OR BLACK)**. See instructions in the Answer Sheet.
7. All items (questions) carry equal marks. All items (questions) are compulsory. Your total marks will depend only on the number of correct responses (answers) marked by you in the Answer Sheet. **There will be negative marking for wrong answer.** 25 percent of marks allotted to a particular item (question) will be deducted as negative marking for every wrong response (answer).
8. Before you proceed to mark (darken) in the Answer Sheet the responses (answers) to various items (questions) in the Test Booklet, you have to fill in some particulars in the Answer Sheet as per the instructions sent to you with your **Admission Certificate**.
9. After you have completed filling in all your responses (answers) on the Answer Sheet and after conclusion of the examination, you should hand over to the Invigilator the *Answer Sheet* issued to you. You are allowed to take with you the candidate's copy / second page of the Answer Sheet along with the **Test Booklet**, after completion of the examination, for your reference.
10. Sheets for rough work are appended in the Test Booklet at the end.

**DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO**

**SEAL**

1. The Constitution of India was drafted and enacted by :
- (A) The President of India  
 (B) The Parliament of India  
 (C) The Supreme Court of India  
 (D) The Constituent Assembly of India
2. The Constitution of India has become effective from :
- (A) 26<sup>th</sup> November, 1949  
 (B) 15<sup>th</sup> August, 1947  
 (C) 26<sup>th</sup> January, 1950  
 (D) 1<sup>st</sup> January, 1951
3. The Constitution of India makes India :
- (A) A Monarchical State  
 (B) A Dictatorial State  
 (C) A Totalitarian State  
 (D) A Republican State
4. The Constitution of India proclaims that India is :
- (A) A Theocratic State  
 (B) A Secular state  
 (C) A Hindu State  
 (D) A Religious State
5. A Directive Principles of State Policy provided by the Constitution of India are :
- (A) Justiceable  
 (B) Non-justiceable  
 (C) Beyond judicial scrutiny  
 (D) Illegal
6. Article 32 of the Constitution of India provides for :
- (A) The Right to Freedom  
 (B) The Right to Equality  
 (C) The Right to Constitutional Remedy  
 (D) The Right to Religion
7. Article 368 of the Constitution of India provides the procedure for :
- (A) Protection of Fundamental Rights  
 (B) Protection of the Directive Principles of State Policy  
 (C) Election of the President of India  
 (D) Enactment of Constitutional Amendments
8. The Prime Minister of India is appointed by :
- (A) The People of India  
 (B) The Supreme Court of India  
 (C) The President of India  
 (D) The Election Commission of India

9. The First President of India was :
- (A) C. Rajagopalachary  
(B) Dr. S. Radhakrishnan  
(C) Dr. Rajendra Prasad  
(D) Dr. V. V. Giri
10. The President of India is elected by :
- (A) The People of India directly  
(B) The Parliament of India  
(C) The Supreme Court of India  
(D) The elected members of the Parliament and the elected members of the Legislative Assemblies of States and Union Territories of India
11. The Constitution of India empowers the President of India to proclaim National Emergency under :
- (A) Article 356  
(B) Article 360  
(C) Article 352  
(D) Article 351
12. The total membership of the Lok Sabha prior to reorganisation of Jammu and Kashmir is :
- (A) 552  
(B) 545  
(C) 550  
(D) 549
13. The Speaker of the present Lok Sabha is :
- (A) Smt. Meira Kumar  
(B) P. A. Sangma  
(C) Smt. Najma Heptulla  
(D) Om Birla
14. The Panchayati Raj System has been constitutionalised by :
- (A) The 74<sup>th</sup> Amendment Act of 1992  
(B) The 42<sup>nd</sup> Amendment Act of 1976  
(C) The 73<sup>rd</sup> Amendment Act of 1992  
(D) The 61<sup>st</sup> Amendment Act of 1989
15. The power of the Supreme Court of India to examine the constitutionality of Legislative enactments and executive orders is known as the power of :
- (A) Legislative Review  
(B) Executive Review  
(C) Judicial Review  
(D) Administrative Review

16. Cases on 'Public Interest Litigation' in the Supreme Court of India commenced during the tenure of :
- (A) Chief Justice M. H. Kania  
 (B) Chief Justice P. N. Bhagawati  
 (C) Chief Justice S. M. Sikri  
 (D) Chief Justice Ranganath Mishra
17. The Constitution of India had given special status to the State of Jammu and Kashmir by its :
- (A) Article 360  
 (B) Article 370  
 (C) Article 356  
 (D) Article 343
18. The present Chief Justice of the Supreme Court of India is :
- (A) Justice Dipak Mishra  
 (B) Justice S. A. Bobde  
 (C) Justice J. S. Khehar  
 (D) Justice Ranganath Mishra
19. Section 497 of the IPC that defines 'Adultery' as a crime was struck down as unconstitutional by the Supreme Court of India during the Chief Justiceship of :
- (A) Justice Dipak Mishra  
 (B) Justice T. S. Thakur  
 (C) Justice D. Y. Chandrachud  
 (D) Justice R. F. Nariman
20. The Council of Ministers of the Government of India can be removed from office by a vote of No-confidence passed by :
- (A) Both the Houses of the Parliament  
 (B) Only the Lok Sabha  
 (C) Only the Rajya Sabha  
 (D) The Supreme Court of India
21. The present NITI Aayog has replaced :
- (A) The Finance Commission  
 (B) The Public Estimates Committee  
 (C) The National Human Rights Commission  
 (D) The Planning Commission
22. Under Article 356 of the Constitution of India, the President is empowered to proclaim, in a State, a type of Emergency which is known as :
- (A) Governor's Rule  
 (B) Prime Minister's Rule  
 (C) President's Rule  
 (D) Parliament's Rule

23. The Chairman of Odisha Public Service Commission is :
- (A) Sri J. D. Sharma  
(B) Sri Chinmoy Basu  
(C) Sri Vivek Patnaik  
(D) Sri L. C. Patnaik
24. The present President of India is :
- (A) Mr. Pranab Mukherjee  
(B) Mrs. Pratibha Patil  
(C) Mr. Ram Nath Kovind  
(D) Mr. APJ Abdul Kalam
25. The Director of the 'India Policy Foundation' nominated as Member of the Rajya Sabha by the President of India in July, 2018 is :
- (A) Ram Shokal  
(B) Arun Jaitley  
(C) Rakesh Sinha  
(D) M. S. Dhoni
26. The present Chairperson of the National Green Tribunal of India is :
- (A) Justice Adarsh Kumar Goel  
(B) Justice Ranjan Gogoi  
(C) Mr. Dipak Jain  
(D) Mr. Girish Chandra Chaturvedi
27. In the Indian Federation, the 29<sup>th</sup> State which was last formed in June, 2014 is :
- (A) Uttarakhand  
(B) Andhra Pradesh  
(C) Chhattisgarh  
(D) Telangana
28. In India, the Gir Forest that houses the National Sanctuary for Lions is located in the State of :
- (A) Tamil Nadu  
(B) Kerala  
(C) Gujarat  
(D) Madhya Pradesh
29. In India, the desert 'Great Rann of Kutch' is situated in the State of :
- (A) Rajasthan  
(B) Maharashtra  
(C) Gujarat  
(D) Punjab
30. In India, the National Park which is the largest habitat of the endangered Estuarine Crocodiles is :
- (A) Jim Corbett National Park  
(B) Bhitarkanika National Park  
(C) Ranthambore National Park  
(D) Nagarhole National Park

31. The International Airport in New Delhi is known as :
- (A) Rajiv Gandhi International Airport  
(B) Indira Gandhi International Airport  
(C) Netaji Subhas Chandra International Airport  
(D) Sardar Vallabhbhai International Airport
32. The National Highway that runs from the Eastern Coast to the Western Coast of India is numbered as :
- (A) NH-6  
(B) NH-15  
(C) NH-5  
(D) NH-44
33. In India, the city of Lucknow is situated on the bank of the River :
- (A) Narmada  
(B) Tapti  
(C) Gomati  
(D) Yamuna
34. The 'Sardar Sarovar Project' on the River Narmada is situated in the Indian State of :
- (A) Madhya Pradesh  
(B) Punjab  
(C) Karnataka  
(D) Gujarat
35. The 'Vrindaban Garden' in the Indian State of Karnataka is situated on the bank of the River :
- (A) Godavari  
(B) Krishna  
(C) Kaveri  
(D) Narmada
36. The mountain peak 'Kanchenjunga' is situated in the Indian State of :
- (A) Uttarakhand  
(B) Uttar Pradesh  
(C) Himachal Pradesh  
(D) Sikkim
37. 'Mount Everest' is situated in the state of :
- (A) India  
(B) Nepal  
(C) Bhutan  
(D) Myanmar
38. The Indian State of Meghalaya touches the border of the State of :
- (A) Bhutan  
(B) Bangladesh  
(C) Nepal  
(D) China

39. The Indian Island of Lakshadweep is situated in :
- (A) Indian Ocean  
(B) Bay of Bengal  
(C) Arabian Sea  
(D) Bering Sea
40. The 'Kalpakkam Nuclear Power Station' is situated in the Indian State of :
- (A) Andhra Pradesh  
(B) Karnataka  
(C) Tamil Nadu  
(D) Kerala
41. The headquarters of the Indian Space Research Organisation is situated in the city of :
- (A) Hyderabad  
(B) Ahmedabad  
(C) Pune  
(D) Bengaluru
42. The Bhabha Atomic Research Centre of India is situated in :
- (A) Kolkata  
(B) Kalpakkam  
(C) Trombay  
(D) Nasik
43. The first Indian Satellite launched into the space in April, 1975 was named as :
- (A) Bhaskar  
(B) Rohini  
(C) Varahmihir  
(D) Aryabhata
44. The Awardee of the prestigious 'Gyanpith Award' for 2017 for excellence in Indian Literature was :
- (A) Krishna Sobti  
(B) Arundhati Roy  
(C) Vinita Kampte  
(D) Maithili Saran Gupt
45. The 'Dada Saheb Phalke Award' is awarded by the Government of India for life-time contribution to :
- (A) Indian Politics  
(B) Indian Economy  
(C) Indian Cinema  
(D) Indian Philanthropy

46. The First Awardee of 'The Bharat Ratna Award' of India was :
- (A) Dr. Rajendra Prasad  
(B) Madan Mohan Malaviya  
(C) Dr. S. Radhakrishnan  
(D) Sardar Vallabhbhai Patel
47. The 'Dronacharya Award' is awarded by the Government of India for excellence in :
- (A) Teaching in the University  
(B) Scientific Research  
(C) Journalism  
(D) Sports Coaching
48. The term 'Googly' is used in the game of :
- (A) Hockey  
(B) Lawn Tennis  
(C) Cricket  
(D) Baseball
49. The venue of the Asian Games 2018 was :
- (A) Manila  
(B) Singapore  
(C) Bangkok  
(D) Jakarta
50. In the FIFA World Cup 2018, the winner was :
- (A) France  
(B) Russia  
(C) Germany  
(D) Brazil
51. In the Asian Games of 2018, India won :
- (A) 21 Gold Medals, 24 Silver Medals and 25 Bronze Medals  
(B) 31 Gold Medals, 20 Silver Medals and 43 Bronze Medals  
(C) 15 Gold Medals, 24 Silver Medals and 30 Bronze Medals  
(D) 17 Gold Medals, 19 Silver Medals and 31 Bronze Medals
52. The National Sport of India is :
- (A) Football  
(B) Cricket  
(C) Khokho  
(D) Hockey



53. The Olympic Games 2020 is scheduled to be held in :
- (A) Pyeongchang
  - (B) London
  - (C) Paris
  - (D) Tokyo
54. 'The Statue of Liberty' is situated in the city of :
- (A) Melbourne of Australia
  - (B) London of UK
  - (C) New York of USA
  - (D) Mosco of Russia
55. 'The Eiffel Tower' is situated in the city of :
- (A) Berlin of Germany
  - (B) Paris of France
  - (C) Geneva of Switzerland
  - (D) Mumbai of India
56. The longest Dam in the world is :
- (A) Jinping Dam of China
  - (B) Grand Coulee Dam of USA
  - (C) Hudson bay Dam of Canada
  - (D) Hirakud Dam of India
57. The Capital of the USA is :
- (A) New York
  - (B) Washington D. C.
  - (C) Los Angeles
  - (D) Philadelphia
58. The Currency of Japan is :
- (A) Yuan
  - (B) Krone
  - (C) Yen
  - (D) Won
59. 'Bundestag' is the name of the Legislature of the State of :
- (A) Switzerland
  - (B) Denmark
  - (C) Germany
  - (D) Austria
60. The 'Pravada' is a major Newspaper of the State of :
- (A) Germany
  - (B) India
  - (C) Republic of Russia
  - (D) USA
61. The Doctor who treats the disease of Cancer is called :
- (A) The Ophthalmologist
  - (B) The Pathologist
  - (C) The Cardiologist
  - (D) The Oncologist

62. The largest planet in our Solar System is :
- (A) Saturn  
(B) Jupiter  
(C) Mars  
(D) Uranus
63. The purity of Milk is measured by the instrument known as :
- (A) Barometer  
(B) Lactometer  
(C) Hydrometer  
(D) Hypsometer
64. The inventor of Computer was :
- (A) T. A. Edison  
(B) David Hughes  
(C) W. Sturgen  
(D) Charles Babbage
65. Seismology is the science that studies :
- (A) Volcanic eruptions  
(B) Eco-systems  
(C) Cosmic Phenomena  
(D) Earthquakes
66. The normal Systolic and Diastolic Pressure of Blood of an adult human being is :
- (A) 120/80 mm Hg  
(B) 130/90 mm Hg  
(C) 140/80 mm Hg  
(D) 150/90 mm Hg
67. 'Angioplasty' is a method of treatment for diseases of :
- (A) Lungs  
(B) Heart  
(C) Liver  
(D) Intestine
68. The skeletal system of an adult human being comprises of :
- (A) 311 pieces of Bones  
(B) 208 pieces of Bones  
(C) 251 pieces of Bones  
(D) 206 pieces of Bones
69. 'Goutam Buddha', the founder of Buddhism, received enlightenment at :
- (A) Lumbini  
(B) Sarnath  
(C) Bodh Gaya  
(D) Kushinagar
70. The Muslim-rule in the medieval India commenced with the establishment of the Sultanate of Delhi by :
- (A) Mahmud of Ghazni  
(B) Qutbuddin Aibak  
(C) Iltutmish  
(D) Muhammad Ghori

71. In medieval India, a new religion of humanism known as 'Din-e-elahi' was proclaimed by the Moghul Emperor :
- (A) Babur  
(B) Humayun  
(C) Akbar  
(D) Shah Jahan
72. The last Moghul Emperor of India was :
- (A) Bahadur Shah  
(B) Bahadur Shah Jafar  
(C) Shah Alam  
(D) Akbar Shah
73. The founder of the British-rule in India was :
- (A) Lord Warren Hastings  
(B) Lord Cornwallis  
(C) Lord Robert Clive  
(D) Lord Wellesley
74. The last Viceroy of the British India was :
- (A) Lord Wavell  
(B) Lord Irwin  
(C) Lord Mountbatten  
(D) Lord Curzon
75. The founder of the Indian National Congress was :
- (A) M. K. Gandhi  
(B) M. G. Ranade  
(C) A. O. Hume  
(D) Womesh Chandra Banerjee
76. The 'Quit India Movement' against the British-rule in India was launched by Mahatma Gandhi on :
- (A) 7<sup>th</sup> March, 1942  
(B) 6<sup>th</sup> June, 1942  
(C) 9<sup>th</sup> July, 1942  
(D) 8<sup>th</sup> August, 1942
77. Unification of the independent India by the accession of the Princely States was caused by the efforts of :
- (A) Mahatma Gandhi  
(B) Jawaharlal Nehru  
(C) Sardar Vallabhbhai Patel  
(D) B. R. Ambedkar
78. In India, the National Emergency, on ground of internal disturbances, was proclaimed on :
- (A) 2<sup>nd</sup> February, 1962  
(B) 16<sup>th</sup> December, 1971  
(C) 25<sup>th</sup> June, 1975  
(D) 26<sup>th</sup> March, 1977

79. The book 'Arthashastra' by the Ancient Indian Scholar 'Kautilya' is a treatise on :
- (A) The Economic System  
(B) The Political System  
(C) The Social System  
(D) The Ethical System
80. The author of the book "The Coalition Years : 1996-2012" is :
- (A) Kuldip Nayar  
(B) Pranab Mukherjee  
(C) Amit Bharadwaj  
(D) M. J. Akbar
81. The author of the book 'Wings of Fire' is :
- (A) B. G. Tilak  
(B) Abul Kalam Azad  
(C) B. R. Ambedkar  
(D) A P J Abdul Kalam
82. International Women's Day is celebrated on :
- (A) 14<sup>th</sup> February  
(B) 8<sup>th</sup> March  
(C) 7<sup>th</sup> April  
(D) 1<sup>st</sup> May
83. The Speaker of the present Legislative Assembly of Odisha is :
- (A) Surya Narayan Patro  
(B) Pradip Kumar Amat  
(C) Sananda Marndi  
(D) Pratap Jena
84. The present Governor of Odisha is :
- (A) Sri S. C. Jamir  
(B) Prof. Ganesh Lal  
(C) Sri Ramesh Thakur  
(D) Sri Satya Pal Malik
85. In the post-independence period, the First Chief Minister of the State of Odisha was :
- (A) Nabakrushna Choudhury  
(B) Biswanath Das  
(C) Harekrushna Mahtab  
(D) Krushna Chandra Gajapati Dev
86. The present chief Justice of the High Court of Odisha is :
- (A) Justice Dharendra Hiralal Waghela  
(B) Justice Kalpesh Satyendra Jhaveri  
(C) Justice Vineet Sharma  
(D) Justice Adarsh Kumar Goel

87. The present Chief Secretary of the Government of Odisha is :
- (A) Jugal Kishore Mohapatra  
(B) Gokul Chandra Pati  
(C) Rajesh Verma  
(D) Asit Kumar Tripathy
88. The founder of the Odia daily Newspaper 'The Samaj' is :
- (A) Madhusudan Das  
(B) Radhanath Rath  
(C) Nilakantha Das  
(D) Gopabandhu Das
89. In Odisha, the headquarters of the Mahanadi Coal Limited is situated at :
- (A) Talcher  
(B) Angul  
(C) Burla  
(D) Bhubaneswar
90. The headquarters of the internationally famous 'Sambalpur Vastralaya Handloom Co-operative Society' is situated at :
- (A) Sambalpur Town  
(B) Bolangir Town  
(C) Sonapur Town  
(D) Bargarh Town
91. In Odisha, the Mig Engine Factory of the Hindustan Aeronautics Limited is situated at :
- (A) Gunupur  
(B) Vedabahal  
(C) Sunabeda  
(D) Rayagada
92. In Odisha, an unit of the Indian Ordnance Factory is situated at :
- (A) Badmal  
(B) Balimela  
(C) Joda  
(D) Dumduma
93. The headquarters of the East Coast Railway Zone of India is situated in :
- (A) Kolkata  
(B) Visakhapatnam  
(C) Kharagpur  
(D) Bhubaneswar
94. The author of the Odia poetic creation 'Tapaswini' is :
- (A) Radhanath Ray  
(B) Nandkishore Bala  
(C) Gangadhar Meher  
(D) Upendra Bhanja

95. At present, the total number of Member States of the United Nations are :
- (A) 189
  - (B) 191
  - (C) 193
  - (D) 195
96. The headquarters of the International Court of Justice is situated at :
- (A) New York
  - (B) Paris
  - (C) The Hague
  - (D) Geneva
97. The International Yoga Day is celebrated on :
- (A) 2<sup>nd</sup> October
  - (B) 31<sup>st</sup> December
  - (C) 8<sup>th</sup> March
  - (D) 21<sup>st</sup> June
98. The International Human Rights Day is celebrated on :
- (A) 11<sup>th</sup> November
  - (B) 10<sup>th</sup> December
  - (C) 5<sup>th</sup> June
  - (D) 7<sup>th</sup> April
99. The first Indian citizen awarded with the Nobel Prize was :
- (A) C.V. Raman
  - (B) J. C. Bose
  - (C) Rabindra nath Tagore
  - (D) Amartya Sen
100. The author of the book 'Hind Swaraj' is :
- (A) M. S. Golwalkar
  - (B) Mohan Bhagawat
  - (C) Mohandas Karamchand Gandhi
  - (D) Bal Gangadhar Tilak

**SPACE FOR ROUGH WORK**

SPACE FOR ROUGH WORK

**SEAL**

Junior Assistant  
(Paper - II)

(18)

RR - 1A25 (3.213)



**DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO**

Test Booklet Series

**A**

**TEST BOOKLET**

**JUNIOR ASSISTANT**

**PAPER – III**

**(MATHEMATICS AND BASIC  
COMPUTER SKILLS)**

T. B. C. : JA – 3/2019

Sl. No.

**211901**

**Time Allowed : 3 Hours**

**Maximum Marks : 200**  
**(Mathematics – 100 & Basic  
Computer Skills – 100)**

**: INSTRUCTIONS TO CANDIDATES :**

1. IMMEDIATELY AFTER THE COMMENCEMENT OF THE EXAMINATION, YOU SHOULD CHECK THAT THIS TEST BOOKLET DOES NOT HAVE ANY UNPRINTED OR TORN OR MISSING PAGES OR ITEMS ETC. IF SO, GET IT REPLACED BY A COMPLETE TEST BOOKLET OF THE SAME SERIES ISSUED TO YOU.
2. ENCODE CLEARLY THE TEST BOOKLET SERIES A, B, C OR D, AS THE CASE MAY BE, IN THE APPROPRIATE PLACE IN THE ANSWER SHEET USING BALL POINT PEN (BLUE OR BLACK).
3. You have to enter your **Roll No.** on the Test Booklet in the Box provided alongside. **DO NOT** write *anything else* on the Test Booklet.
4. **YOU ARE REQUIRED TO FILL UP & DARKEN** ROLL NO., TEST BOOKLET / QUESTION BOOKLET SERIES IN THE ANSWER SHEET AS WELL AS FILL UP TEST BOOKLET / QUESTION BOOKLET SERIES AND SERIAL NO. AND ANSWER SHEET SERIAL NO. IN THE ATTENDANCE SHEET CAREFULLY. WRONGLY FILLED UP ANSWER SHEETS ARE LIABLE FOR REJECTION AT THE RISK OF THE CANDIDATE.
5. This Test Booklet contains **100** items (questions) i.e. **Q. No. 1 to 50 of Mathematics and Q. No. 51 to 100 of Basic Computer Skills**. Each item (question) comprises four responses (answers). You have to select the correct response (answer) which you want to mark (darken) on the Answer Sheet. In case, you feel that there is more than one correct response (answer), you should mark (darken) the response (answer) which you consider the best. In any case, choose **ONLY ONE** response (answer) for each item (question).
6. You have to mark (darken) all your responses (answers) **ONLY** on the **separate Answer Sheet** provided by using **BALL POINT PEN (BLUE OR BLACK)**. See instructions in the Answer Sheet. **You should use the same Answer Sheet for both the parts, i.e. Mathematics (Q. No. 1 to 50) and Basic Computer Skills (Q. No. 51 to 100).**
7. All items (questions) carry equal marks. All items (questions) are compulsory. Your total marks will depend only on the number of correct responses (answers) marked by you in the Answer Sheet. **There will be negative marking for wrong answer.** 25 percent of marks allotted to a particular item (question) will be deducted as negative marking for every wrong response (answer).
8. Before you proceed to mark (darken) in the Answer Sheet the responses (answers) to various items (questions) in the Test Booklet, you have to fill in some particulars in the Answer Sheet as per the instructions sent to you with your **Admission Certificate**.
9. After you have completed filling in all your responses (answers) on the Answer Sheet and after conclusion of the examination, you should hand over to the Invigilator the **Answer Sheet** issued to you. You are allowed to take with you the candidate's copy / second page of the Answer Sheet along with the **Test Booklet**, after completion of the examination, for your reference.
10. Sheets for rough work are appended in the Test Booklet at the end.

**DO NOT OPEN THIS TEST BOOKLET UNTIL YOU ARE ASKED TO DO SO**

**SEAL**

**MATHEMATICS**

1.  $1/6$ , on dividing by  $2/3$ , yields : (B) 1371.64295  
(A)  $1/2$  (C) 1370.64295  
(B) 2 (D) 1360.64295  
(C)  $1/4$   
(D) 4

2. In  $a/3 - b/5 = 1/15$ , a and b are related as : (B) 0.0256  
(A)  $5a - 3b = 1$  (C) 0.256  
(B)  $a = b$  (D) 0.4  
(C)  $3a - 5b = 1$   
(D)  $a - b = 1$

3. The real number 0.0056 can be written in fractional form as : (C) 15 min  
(A)  $7/1150$  (D) 8 min  
(B)  $7/1175$   
(C)  $7/1250$   
(D)  $7/1225$

4. Identify the correct ascending order : (C) 0.005  
(A)  $5/8 < 7/12 < 3/4 < 13/16$  (D) 0.05  
(B)  $5/8 < 7/12 < 13/16 < 3/4$   
(C)  $5/8 < 3/4 < 13/16 < 7/12$   
(D)  $7/12 < 5/8 < 3/4 < 13/16$

5. Evaluate  $1234.5 + 123.45 + 12.345 + 1.2345 + 0.12345$  : (B) 12.6  
(A) 1371.65295 (C) 25.2  
(D) 1

6. Square of 0.16 is : (A) 0.04

7. 15% of 2 hours is : (A) 18 min  
(B) 7.5 min  
(C) 15 min  
(D) 8 min

8. Half of 1 percent is written with decimal as : (A) 0.5  
(B) 0.01  
(C) 0.005

9. Dividing 28% of 450 with 45% of 280, yields : (A) 26  
(B) 12.6

10. Average of integers from 11 to 20 is :
- (A) 15  
(B) 15.5  
(C) 14.5  
(D) 16
11. The average of first 10 positive multiples of 9 is :
- (A) 45  
(B) 47.5  
(C) 48.5  
(D) 49.5
12. The average of six numbers is  $x$  and the average of three of these is  $y$ . If the average of the remaining three is  $z$ , then :
- (A)  $x = y + z$   
(B)  $2x = y + z$   
(C)  $x = 2y + z$   
(D)  $x = y + 2y$
13. Average of first 10 prime numbers is :
- (A) 15.8  
(B) 13.5  
(C) 12.9  
(D) 10
14. At annual rate of interest, for one year, compound interest is \_\_\_\_\_ the simple interest.
- (A) Same as  
(B) More than  
(C) Less than  
(D) Double of
15. At the annual rate of 15%, compound interest for two years is \_\_\_\_\_ of the initial deposit.
- (A) 30%  
(B) 32.25%  
(C) 22.5%  
(D) 27.25%
16. At the annual rate of 19%, the compound interest doubles the deposit in :
- (A) 5 years  
(B) 4.5 years  
(C) 6 years  
(D) 4 years
17. Minimum time to double the deposit, with simple interest at annual rate of 12%, is :
- (A) 8 years  
(B) 8.5 years  
(C) 8 years 4 months  
(D) 8 years 3 months

18. Square root of  $25^{16}$  is :
- (A)  $5^{16}$   
 (B)  $25^4$   
 (C)  $5^4$   
 (D)  $5^8$
19. For terminal decimal representation,  
 • factors in denominator must be :
- (A) 2 only  
 (B) 10 only  
 (C) 5 only  
 (D) 2 or 5
20. For a real number  $x$ , the value of  $x + 1/x$  :
- (A) Is equal to 2 only  
 (B) Cannot be between  $-2$  and  $2$   
 (C) Can be any real number  
 (D) Is greater than 2 always
21. For a real number  $x$ , if  $x + 1/x = a + b$  and  $x - 1/x = a - b$ , then :
- (A)  $ab = 1$   
 (B)  $a = b$   
 (C)  $a = 2/b$   
 (D)  $a^2 - b^2 = 0$
22. A family home has a replacement cost of Rs. 15 lakhs and it carries Rs. 8.1 lakhs worth of insurance. In the event of a Rs. 50 thousands loss due to fire, how much would the insurance company owe to family ?
- (A) Rs. 25,090  
 (B) Rs. 26,810  
 (C) Rs. 27,000  
 (D) Rs. 28,050
23. A bicycle is sold at a profit of 16%. If it had been sold for Rs. 20 more, profit would have been 20%. The cycle was purchased for :
- (A) Rs. 400  
 (B) Rs. 450  
 (C) Rs. 460  
 (D) Rs. 500
24. On selling a book at 10% discount on the printed price, the shopkeeper earns 12% profit. The ratio of the cost price to the printed price of the book is :
- (A) 47 : 60  
 (B) 45 : 61  
 (C) 45 : 56  
 (D) 42 : 56

25. A man purchases a coat for Rs. 630, after two successive discounts of 30% and 20%. The actual printed price of the coat is :
- (A) Rs. 1,125  
 (B) Rs. 1,150  
 (C) Rs. 1,200  
 (D) Rs. 1,250
26. A man purchases an item at 90% of its marked price. What profit does he earn if he sells it at 17% more than this marked price ?
- (A) 27%  
 (B) 28%  
 (C) 30%  
 (D) 27.5%
27. In a business, A and B invest in the ratio of 3 : 2. After the deduction of 10% income tax on profit earned, B gets Rs. 21,600. What is the total profit ?
- (A) Rs. 60,000  
 (B) Rs. 62,400  
 (C) Rs. 63,000  
 (D) Rs. 64,800
28. Two sweets worth Rs. 120 per kg and Rs. 150 per kg are mixed with a third sweet in the ratio of 1 : 3 : 2. If the mixture costs Rs. 130 per kg, then the price (per kg) of third sweet is :
- (A) Rs. 125  
 (B) Rs. 115  
 (C) Rs. 110  
 (D) Rs. 105
29. On the selling price of Rs. 400, the difference between a single discount of 40% and two successive discounts of 30% and 10%, is :
- (A) Rs. 12  
 (B) Rs. 15  
 (C) Rs. 0  
 (D) Rs. 13.33
30. On selling an item at Rs. 315, the profit earned is Rs. 65. Percent profit is :
- (A) 30%  
 (B) 27.5%  
 (C) 26%  
 (D) Nearly 20.6%

31. A vehicle at A moves with speed 60 km/hr towards B. Another vehicle at B moves with speed 50 km/hr towards A. If A and B are separated by the distance of 165 kms, then they will meet at the distance of \_\_\_\_\_ kms from A.
- (A) 60  
(B) 75  
(C) 85  
(D) 90
32. The next element in the sequence 0, 2, 6, 12, 20, \_\_\_\_\_ is :
- (A) 30  
(B) 32  
(C) 34  
(D) 36
33. A man rows downstream 30 km in 3 hours but takes 5 hours to return back upstream. The velocity of the water current is :
- (A) 2 km/hr  
(B) 4 km/hr  
(C) 5 km/hr  
(D) 6 km/hr
34. A 150 meters long train takes 6 seconds to cross a man walking at the speed of 6 km/hr in the opposite direction. The speed of the train is :
- (A) 75 km/hr  
(B) 80 km/hr  
(C) 84 km/hr  
(D) 85 km/hr
35. If 30 men complete a work in 42 days then to complete the same work in 35 days, the men required are :
- (A) 33  
(B) 34  
(C) 35  
(D) 36
36. If A completes a work in 24 days but A and B together complete the same work in 15 days, then B alone will be able to complete the same work in :
- (A) 40 days  
(B) 36 days  
(C) 35 days  
(D) 32 days
37. A does a work in 10 days and B does the same work in 15 days. In how many days they together will do the same work ?
- (A) 8 days  
(B) 7 days  
(C) 6 days  
(D) 7.5 days

38. A tyre has two punctures. The first puncture alone can make the tyre flat in 9 minutes but the second alone can do it in 6 minutes. Then, both punctures together can flatten the tyre in :
- (A) 3 min 30 sec  
(B) 3 min 36 sec  
(C) 3 min 48 sec  
(D) 3 min 60 sec
39. How many minutes does a cycle take to cover a distance of 400 m, if it runs at a speed of 24 km/hr ?
- (A) 2  
(B) 1.6  
(C) 1.2  
(D) 1
40. What could be the speed of an athlete, who runs 1,600 meters in 3 minutes and 45 seconds ?
- (A) 25.6 km/hr  
(B) 24 km/hr  
(C) 22.8 km/hr  
(D) 20 km/hr
41. A train covers a distance in 56 minutes with the average speed of 65 km/hr. What should be the speed of this train to reduce the time of journey by 4 minutes ?
- (A) 68 km/hr  
(B) 69 km/hr  
(C) 70 km/hr  
(D) 72 km/hr
42. A and B together have Rs. 1,240. If  $\frac{4}{15}$  of A's amount is equal to  $\frac{2}{5}$  of B's amount, how much amount does B have ?
- (A) Rs. 450  
(B) Rs. 468  
(C) Rs. 484  
(D) Rs. 496
43. In a mixture of 54 litres, the ratio of milk and water is 2 : 1. If this ratio is to be made 1 : 2, then the quantity of water to be further added is :
- (A) 54  
(B) 48  
(C) 36  
(D) 18

44. Two numbers are respectively 20% and 50% more than a third number.

The ratio of these two numbers is :

- (A) 2 : 3
- (B) 3 : 4
- (C) 4 : 5
- (D) 5 : 6

45. Seats for Science, Commerce and Arts in a degree college are in the ratio 5 : 7 : 8. These seats are to be increased by 40%, 50% and 75% respectively. What will be the ratio of increased seats ?

- (A) 2 : 3 : 4
- (B) 3 : 4 : 5
- (C) 4 : 5 : 6
- (D) 5 : 6 : 7

46. Mean of first 13 values is 18.34 and that of next 13 values is 17.66. What is the mean of all 26 values ?

- (A) 17.36
- (B) 18.12
- (C) 18
- (D) 18.17

47. In the formula  $\text{Mode} = a \times \text{Median} + b \times \text{Mean}$ , we have :

- (A)  $a = 3$  and  $b = -2$

(B)  $a = b = 0.5$

(C)  $a = 2$  and  $b = -1$

(D)  $a = 1.5$  and  $b = -0.5$

48. The mean weight of 60 students in a class is 42 kg. The mean weight of boys is 46 kg and that of girls is 38 kg. The number of boys in class is :

- (A) 33
- (B) 32
- (C) 31
- (D) 30

49. For the data set 29, 32, 48, 50, x,  $x + 2$ , 72, 78, 84, 95 in ascending order to have median 63, the value of x is :

- (A) 60
- (B) 61
- (C) 62
- (D) 63

50. Area of a triangle with sides of lengths 3 m, 4 m and 5 m is :

- (A)  $7.5 \text{ m}^2$
- (B)  $6 \text{ m}^2$
- (C)  $10 \text{ m}^2$
- (D)  $12 \text{ m}^2$



## BASIC COMPUTER SKILLS

51. Which of the following is not an Operating System Developed by Microsoft ?
- (A) Windows 7  
(B) Windows 9  
(C) Windows 8  
(D) Windows 10
52. Which is not a Mobile Operating System ?
- (A) Android  
(B) Palm OS  
(C) BADA  
(D) Windows Xp
53. In MS-DOS you can use small or capital letter or combination of both to enter a command, but internally MS-DOS works with :
- (A) Small letter  
(B) Capital letter  
(C) Both (A) and (B)  
(D) None of these
54. What is the code name for Windows 8.1 ?
- (A) Blue  
(B) Blue Server  
(C) 8  
(D) 8 Server
55. Which service is provided by Windows 8 but not by Windows 7 ?
- (A) Windows Store  
(B) PowerShell  
(C) Both (A) and (B)  
(D) None of these
56. Which of the following is not a file system ?
- (A) FAT32  
(B) ISO 9006  
(C) ISO 9660  
(D) ext4
57. The File System not supported by Windows 8 is :
- (A) HPFS  
(B) REFS  
(C) UDF  
(D) Both (A) and (B)

58. While working with MS-DOS which key is used to get the previous command used ?
- (A) F2  
(B) F3  
(C) F4  
(D) F9
59. Which is not an executable extension of Windows Operating System ?
- (A) BIN  
(B) MSI  
(C) COM  
(D) OSX
60. Which browser cannot be used in Linux Operating System ?
- (A) Arora  
(B) Internet Explorer  
(C) Konqueror  
(D) Lynx
61. What is gutter margin ?
- (A) Margin that is added to right margin when printing  
(B) Margin that is added to the left margin when printing  
(C) Margin that is added to the outside of the page when printing  
(D) Margin that is added to the binding side of page when printing
62. Typeface option will come under which menu ?
- (A) Edit  
(B) View  
(C) Format  
(D) Tools
63. How many maximum number of columns can be inserted in the MS-Word 2010 document ?
- (A) 45  
(B) 65  
(C) 63  
(D) 64
64. How many maximum number of rows can be inserted in the MS Word 2010 document ?
- (A) 32768  
(B) 32767  
(C) 65535  
(D) 65536

65. Borders can be applied to :
- (A) Cells
  - (B) Paragraph
  - (C) Text
  - (D) All of these
66. To view headers and footers, you must switch to :
- (A) Normal view
  - (B) Print layout view
  - (C) Print preview mode
  - (D) Both (B) and (C)
67. What are the shortcut keys for Superscript and Subscript ?
- (A) Ctrl + Shift + =, Ctrl + =
  - (B) Ctrl + Shift + =, Ctrl + Shift ++
  - (C) Ctrl + Shift ++, Ctrl + =
  - (D) None of these
68. Use of "Spike" Feature in Microsoft Word is :
- (A) Collect text on the clipboard from multiple locations and paste it all at once
  - (B) Allows you to edit auto text entries while using index
  - (C) Collect text, audio, video from multiple locations into the document
  - (D) All of these
69. How will MS Word respond, if you type the same word repeatedly in a sentence ?
- (A) A Red wavy line under the repeated word
  - (B) A Green wavy line under the repeated word
  - (C) A Blue wavy line under the repeated word
  - (D) No response
70. How can you increase the font size of selected text by one point at a time in MS Word ?
- (A) By pressing Ctrl + >
  - (B) By pressing Ctrl + [
  - (C) By pressing Ctrl + <
  - (D) By pressing Ctrl + ]
71. How many maximum number of columns can be inserted in the MS PowerPoint 2010 document ?
- (A) 45
  - (B) 65
  - (C) 75
  - (D) 70

72. The special effects used to introduce slides in a presentation are called :
- Effects
  - Custom animations
  - Transitions
  - Present animations
73. Which of the following is not a View option of PowerPoint 2013 ?
- Outlier View
  - Slide Sorter
  - Reading View
  - Inline View
74. Shortcut Key to add Hyperlink into a slide is :
- Ctrl + K
  - Ctrl + L
  - Ctrl + H
  - Ctrl + Shift + L
75. Which option allows you to select line, curve, freeform select or scribble tools ?
- Create effect
  - Insert motion path
  - Draw custom path
  - All of these
76. The video file formats not supported by PowerPoint 2013 is :
- MOV
  - ASF
  - M4V
  - MKV
77. The audio file formats not supported by PowerPoint 2013 is :
- MIDI
  - RAM
  - AIFF
  - M4A
78. How to add a logo in the same position on every slide automatically ?
- Using Handout master
  - Using Notes master
  - Using Slide master
  - All of these
79. The File formats not supported in PowerPoint 2010 is :
- XPS
  - PDF
  - POTX
  - PS

80. The Objects on the slide that hold text are called :
- (A) Placeholders
  - (B) Object holders
  - (C) Object container
  - (D) Text holders
81. Slicer feature is introduced in which Excel Version ?
- (A) 2007
  - (B) 2010
  - (C) 2013
  - (D) Office 365
82. What is the shortcut key to pop-up the ribbon keytips using Keyboard ?
- (A) Ctrl
  - (B) Alt
  - (C) Shift + Alt
  - (D) Ctrl + Shift + Alt
83. What does the VLOOKUP function ?
- (A) Vertically search the given string
  - (B) Checks whether text is the same in one cell as in the next
  - (C) Finds related records by vertically Lookup the given information
  - (D) All of these
84. What is the size of Worksheet in Excel 2013 ?
- (A) 1,048,565 rows by 16,384 columns
  - (B) 1,048,576 rows by 16,365 columns
  - (C) 65,635 rows by 16,365 columns
  - (D) 1,048,576 rows by 16,384 columns
85. What is the Zoom range of Worksheet in Excel 2013 ?
- (A) 10% to 400%
  - (B) 20% to 400%
  - (C) 1% to 16%
  - (D) As per our requirement we can zoom in and zoom out
86. Which function is introduced in Excel 2013 ?
- (A) GAMMA
  - (B) XOR
  - (C) Both (A) and (B)
  - (D) None of these
87. You can activate a cell by pressing :
- (A) The Tab key
  - (B) Clicking the cell
  - (C) An arrow key
  - (D) All of these

88. Paper Spreadsheets can have all the same advantages as an Electronic Spreadsheet, except which of the following ?
- Rows and columns
  - Headings
  - Speed
  - None of these
89. To calculate  $5^4$ , which of the following formula is correct in MS Excel ?
- Power (5 ^ 4)
  - Power (5, 4)
  - Power (4 ^ 5)
  - Power (5 \* 4)
90. To calculate Sum of B1 to B10 cell, the formula is :
- SUM(B1 : B10)
  - SUM(B1 – B10)
  - SUM(B1, B10)
  - Both (A) and (B)
91. Which of the following is not a database object ?
- Tables
  - Queries
  - Relationships
  - Reports
92. The length of the password in access 2013 is :
- 20
  - 14
  - 16
  - 24
93. What is the total number of objects in the dataset and number of characters in an object name ?
- 32,768 and 64
  - 32,768 and 32
  - 32,568 and 52
  - 32,568 and 64
94. Custom web app feature introduces in which version of access ?
- 2007
  - 2010
  - 2013
  - None of these
95. Which of the following queries can create a table ?
- Append
  - Delete
  - Make-Table
  - Update

96. Which of the following is not a data base application ?
- (A) Access
  - (B) dBase
  - (C) MongoDB
  - (D) PostPreSQL
97. Which is not a data type of MS Access 2013 ?
- (A) MEMO
  - (B) COUNTER
  - (C) OLE
  - (D) INTEGER
98. The width of DATE/TIME Field is :
- (A) 16 Bytes
  - (B) 4 Bytes
  - (C) 8 Bytes
  - (D) 10 Bytes
99. In table design view, which key can be used to switch between the field names and properties panels ?
- (A) F3
  - (B) F4
  - (C) F5
  - (D) F6
100. Which data type of MS Access stores multimedia files i.e. audio, video and image ?
- (A) Varchar2
  - (B) OLE
  - (C) MIME
  - (D) Variant



**SPACE FOR ROUGH WORK**

96. Which of the following is not a data type of MS Access 2013 ?
- (A) Access
  - (B) dBase
  - (C) MongoDB
  - (D) PostgreSQL
97. Which data type of MS Access stores multimedia files i.e. audio, video and image ?
- (A) Memo
  - (B) Counter
  - (C) OLE
  - (D) Integer
98. The width of DATETIME field is \_\_\_\_\_
- (A) 18 Bytes
  - (B) 4 Bytes
  - (C) Variable
  - (D) MIME
99. In table design view, which key can be used to switch between the field names and properties panels ?
- (A) F3
  - (B) F4
  - (C) F5
  - (D) F8
100. Which data type of MS Access stores multimedia files i.e. audio, video and image ?
- (A) Variable
  - (B) OLE
  - (C) MIME
  - (D) Variable

\*\*\*\*\*

**SEAL**