

**COMBO - ଓଡ଼ିଶା**  
**32,000- PYQ**  
**ପୂର୍ବ ବର୍ଷ ପ୍ରଶ୍ନ**  
 ପୂର୍ବ 5 ବର୍ଷର **OSSSC, OSSC, OPSC**, ପୋଲିସ, **CT, B.ED**, ଅନ୍ୟ ସବୁ ପ୍ରଶ୍ନ  
**GK, ODIA, ENGLISH, , MATH, COMPUTER, Reasoning, Pedagogy**

**GK- ଓଡ଼ିଶାର**  
**ସମସ୍ତ ପୂର୍ବ ବର୍ଷ ପ୍ରଶ୍ନ**  
**11,685- PYQ**  
**ଓଡ଼ିଆ ଓ ଇଂରାଜୀ ରେ**  
**EXPLANATION**  
**OSSSC, OSSC, OPSC, Police SI /Constable, PEO, RI, Battalion, Fireman, B.ED, JT, RHT, CT, OAVS, OSSTET, OTET & Other**

**ଓଡ଼ିଆ ବ୍ୟାକରଣ**  
**ସମସ୍ତ ପୂର୍ବ ବର୍ଷ ପ୍ରଶ୍ନ**  
**4,343- PYQ**  
**75- TEST**  
**E-BOOK- PDF**  
**OSSSC, OSSC, OPSC, POLICE, B.ED, JT, RHT, CT, OAVS, OSSTET, OTET, OSSSC (PEO, RI, ARI & Other) & Other**

**ENGLISH- ଓଡ଼ିଶାର**  
**ସମସ୍ତ ପୂର୍ବ ବର୍ଷ ପ୍ରଶ୍ନ**  
**4,582- PYQ**  
**ଓଡ଼ିଆ ଓ ଇଂରାଜୀ ରେ**  
**EXPLANATION**  
**OSSSC, OSSC, OPSC, Police SI /Constable, PEO, RI, Battalion, Fireman, B.ED, JT, RHT, CT, OAVS, OSSTET, OTET & Other Exam**

**କୋମ୍ପ୍ୟୁଟର- ଓଡ଼ିଶାର**  
**ସମସ୍ତ ପୂର୍ବ ବର୍ଷ ପ୍ରଶ୍ନ**  
**2,353- PYQ**  
**ଓଡ଼ିଆ ଓ ଇଂରାଜୀ ରେ**  
**EXPLANATION**  
**OSSSC, OSSC, OPSC, Police SI & Constable, Battalion, PEO, RI, AMIN, JT, RHT & Other Exams**

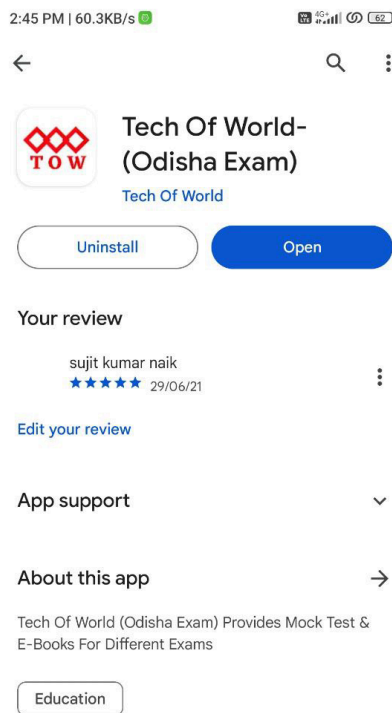
**MATH- ଓଡ଼ିଶାର**  
**ସମସ୍ତ ପୂର୍ବ ବର୍ଷ ପ୍ରଶ୍ନ**  
**4,000- PYQ**  
**ଓଡ଼ିଆ ଓ ଇଂରାଜୀ ରେ**  
**E-BOOK- PDF**  
**OSSSC, OSSC, OPSC, Police SI /Constable, PEO, RI, Battalion, Fireman, B.ED, JT, RHT, CT, OAVS, OSSTET, OTET & Other**

**PEDAGOGY ଓଡ଼ିଶାର**  
**TEACHING APTITUDE**  
**ପୂର୍ବ ବର୍ଷ ପ୍ରଶ୍ନ**  
**1,900- PYQ**  
**ଓଡ଼ିଆ ଓ ଇଂରାଜୀ ରେ**  
**EXPLANATION**  
**B.ED, RHT, CT, JT, OAVS, OSSTET, OTET & Other**

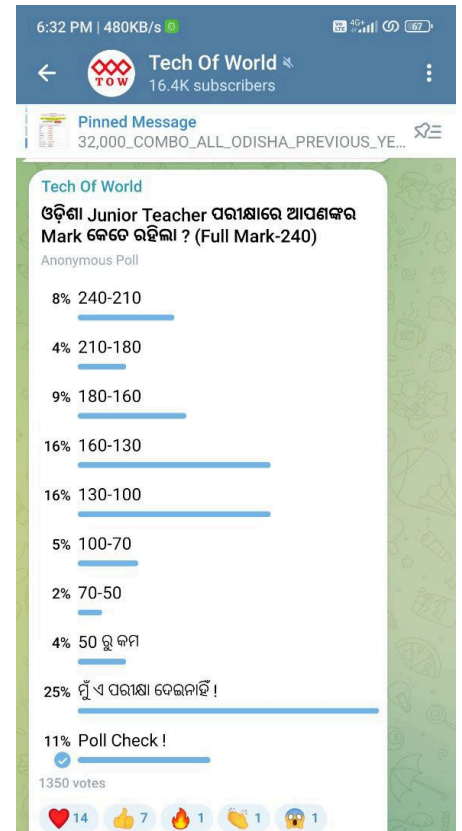
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41. A train accelerates from 18 km/h to 72 km/h in 10 sec. What is the distance travelled by train ?
- (A) 355 m  
(B) 325 m  
(C) 125 m  
(D) 255 m
42. In which medium sound wave cannot pass through ?
- (A) solid  
(B) vacuum  
(C) ideal gas  
(D) liquid
43. The pitch of a sound wave depends upon which one of its following characteristics ?
- (A) speed  
(B) loudness  
(C) amplitude  
(D) frequency
44. A pendulum is oscillating freely. Its bob has :
- (A) Only kinetic energy  
(B) Maximum kinetic energy at extreme position  
(C) Maximum potential energy at its mean position  
(D) A constant energy which is the sum of potential and kinetic energy
45. Mass of an object on earth is 12 kg. What is its weight on moon ?
- (A) 19.6 N  
(B) 12 N  
(C) 24.4 N  
(D) 14.8 N
46. Express the SI unit of power in terms of mass, length and time :
- (A)  $\text{kg m}^2 \text{s}^{-3}$   
(B)  $\text{kg m s}^{-3}$   
(C)  $\text{kg}^2 \text{m}^2 \text{s}^{-2}$   
(D)  $\text{kg m s}^{-2}$

47. A piece of ice is floating on water in a container. What will happen to the surface of water when whole ice piece melts ?
- (A) will go up  
(B) will not change  
(C) will go down  
(D) none of these
48. A few substances are grouped in increasing order of their particle's 'forces of attraction'. Which of the following is the correct order ?
- (A) Water, oxygen, chalk  
(B) Salt, juice, wind  
(C) Nitrogen, water, sugar  
(D) Air, salt, oil
49. Weightlessness is experienced by objects inside an artificial satellite. Even though the moon is a natural satellite of the earth, we do not experience weightlessness on the moon. This is because :
- (A) there is no gravity on moon  
(B) our mass is changed on moon  
(C) mass of moon is considerably large  
(D) all of the above
50. Two thin lenses are put close to each other. The focal length of this combination is :
- (A) less than the smaller focal length among the two lenses  
(B) more than the bigger focal length among the two lenses  
(C) equal to the arithmetical average of the two focal lengths  
(D) equal to the geometrical average of the two focal lengths
51. Which of the following mirror is used by a Dentist to examine a small cavity ?
- (A) Convex mirror  
(B) Plane mirror  
(C) Concave mirror  
(D) Combination of convex and concave mirror
52. The force between two charges is 200 N. If the distance between the charges is doubled, the force will be \_\_\_\_\_.
- (A) 400 N  
(B) 100 N  
(C) 50 N  
(D) 200 N

53. A patient of hypermetropia is given spectacles of :
- (A) concave lens
  - (B) convex lens
  - (C) compound lens
  - (D) lens of zero capacity
54. Dancing of small pieces of camphor on the surface of water is due to :
- (A) Viscosity
  - (B) Surface tension
  - (C) Weight
  - (D) Lifting force
55. To store a large amount of charge at relatively low Voltage, we use :
- (A) ceramic capacitors
  - (B) fixed capacitors
  - (C) parallel plate capacitors
  - (D) electrolytic capacitors
56. A device used for converting AC into DC is called \_\_\_\_\_.
- (A) Transformer
  - (B) Rectifier
  - (C) Induction coil
  - (D) Dynamo
57. The shape of the magnetic field lines produced by a current carrying conductor are :
- (A) straight lines
  - (B) concentric circles
  - (C) concentric ellipse
  - (D) concentric parabolas
58. In a circuit, four resistors each of  $12\ \Omega$  are Connected in parallel to a 12 volt battery. What is the equivalent resistance of the circuit ?
- (A)  $48\ \Omega$
  - (B)  $24\ \Omega$
  - (C)  $3\ \Omega$
  - (D)  $6\ \Omega$
59. Weber per square meter is called \_\_\_\_\_.
- (A) henry
  - (B) ampere
  - (C) tesla
  - (D) ohm
60. If we apply law of conversion of energy to electromagnetic induction, electrical energy induced in a conductor comes from \_\_\_\_\_.
- (A) Potential energy
  - (B) Heat energy
  - (C) Kinetic energy
  - (D) Radiation energy

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