**(Printed Pages 02)**

**Roll No. \_\_\_\_\_\_\_\_\_\_\_\_**

**BEd-1226**

**B.Ed. (I Semester) Examination, Dec.2018**

**BACHELOR OF EDUCATION**

**KNOWLEDGE & PEDAGOGY AS SCHOOL**

**Sub:- Mathematics**

*Time Allowed: Three Hours] [Maximum Marks: 70*

**Note:** Answer **all** questions.

**Q. 1.** Attempt any **six** of the following. **5\*6=30**

fuEufyf[kr esa ls fdUgha N% ds mRrj nhft, %

1. What is the Importance of mathematics?

euq"; ds thou esa xf.kr dh mi;ksfxrk D;k gS\

1. Explain the contribution of Arya Bhatt.

,d xf.krK ds :i esa vk;ZHkV~V ds ;ksxnku dh O;k[;k dhft,A

1. What are the aims of teaching mathematis in school?

fo|ky; esa xf.kr f'k{k.k ds mn~ns'; D;k gS\

1. What is the meaning of Innovation in mathematics teaching?

xf.kr esa uokpkj dk D;k vFkZ gS\

1. What are the purposes of diagnostic test?

mipkjkRed ijh{k.k mn~ns'; D;k gS\

1. What are the social and cultural values of mathematics teaching.

xf.kr f'k{k.k esa lkekftd rFkk lkaLd`frd ewY; D;k gS\

1. Clarify the difference between Inductive and deductive method.

vkxeu ,oa fuxeu fof/k ds chp vUrj Li"V dhft,A

1. What is the importance of drill and oral work in mathematics?

xf.kr esa vH;kl ,oa ekSf[kd dk;Z dh D;k mi;ksfxrk gS\

**Q.2.** Discuss in detail the contribution of Bhaskara Charya in the field of mathematise. **10**

 xf.kr ds {ks= esa Hkk"djkpk;Z ds ;ksxnku dh foospuk dhft,A

**OR/vFkok**

"The study of mathematics is a must for every common man of modern age". Discuss it from utilitarian point of view.

vk/kqfud ;qx esa izR;sd O;fDr ds fy, xf.kr dk v/;;u vko';d gSA bl dFku dh mi;ksfxrk ds vk/kkj ij foospuk dhft,A

**Q. 3.** Explain the use of Analytic- synthetic method of teaching in mathematics. What are similarities and dissimilarities between analytic and synthetic method of teaching. **10**

xf.kr f'k{k.k esa la'ys"k.k ,oa fo'ys"k.k fof/k ds iz;ksx dh O;k[;k dhft, rFkk nksuks fof/k;ksa esa D;k lekurk ,oa vlekUkrk gS\

**OR/vFkok**

Differentiate between aims and objectives of teaching mathematises. What is the utility of knowledge of objectives to mathematics.

 xf.kr f'k{k.k esa mn~ns'; ,oa izkIr mn~ns'; ds chp D;k vUrj gSA Li"V dhft, rFkk ,d xf.kr f'k{kd ds fy, blds Kku dh D;k mi;ksfxrk gS\

**Q. 4.** Define curriculum. What points must be kept in mind while constructing curriculum of mathematics? **10**

ikB~;dze dks ifjHkkf"kr dhft,A xf.kr dk ikB~;dze cukus esa fdu&fdu fcUnqvksa dks /;ku vo'; j[kuk pkfg,A

**OR/vFkok**

What are the main defect in the existing system to examination? Suggest suitable measures to minimize them.

orZeku ijh{kk iz.kkyh esa eq[; dfe;kW D;k gS\ mudks de djus ds mfpr ekiu fcUnq bafxr djsaA

**Q. 5.** Prepare a detailed plan on and topic from Geometry for class 7. Mention clearly all the presentation points. **10**

d{kk lkr gsrq js[kk xf.kr ds fdlh izdj.k dk p;u dj ds ikB ;kstuk rS;kj dhft,A izLrqrhdj.k ds lHkh fcUnqvksa dk Li"V mYys[k dhft,A

**OR/vFkok**

Explain the merits of a a good text book.

,d vPNh ikB~; iqLrd ds xq.kksa dk o.kZu dhft,A